

# 962 Wheel Loader

# **Technical Specifications**

Configurations and features may vary by region. Please consult your Cat® dealer for availability in your area.

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| Engine – U.S. EPA Tier 4 Final/EU Stage V |                 |               |  |  |  |
|---|-----------------|---------------|--|--|--|
| Engine Model                              | Cat® C7.1       |               |  |  |  |
| Meets U.S. EPA Tier 4 Final, EU Stage     | V, and Japar    | 2014 emission |  |  |  |
| standards.                                |                 |               |  |  |  |
| Engine Power @ 2,100 rpm                  | 201 kW          | 269 hp        |  |  |  |
| ISO 14396:2002                            |                 |               |  |  |  |
| (SO 14396:2002 (DIN) 273 hp (metric)      |                 |               |  |  |  |
| Gross Power @ 2,100 rpm                   | 203 kW          | 273 hp        |  |  |  |
| SAE J1995:2014                            |                 |               |  |  |  |
| SAE J1995:2014 (DIN)                      | 277 hp (metric) |               |  |  |  |
| Net Power @ 2,100 rpm                     | 187 kW          | 251 hp        |  |  |  |
| ISO 9249:2007, SAE J1349:2011             |                 |               |  |  |  |
| ISO 9249:2007, SAE J1349:2011 (DIN)       | 255 hp (met     | ric)          |  |  |  |
| Engine Torque (1,400 rpm)                 | 1245 N·m        | 918 lbf-ft    |  |  |  |
| ISO 14396:2002                            |                 |               |  |  |  |
| Gross Torque (1,400 rpm)                  | 1256 N·m        | 926 lbf-ft    |  |  |  |
| SAE J1995:2014                            |                 |               |  |  |  |
| Net Torque (1,400 rpm)                    | 1176 N·m        | 867 lbf-ft    |  |  |  |
| ISO 9249:2007, SAE J1349:2011             |                 |               |  |  |  |
| Displacement                              | 7.01 L          |               |  |  |  |

- Advertised power is tested per the specified standard in effect at the time of manufacture.
- The net power advertised is the power available at the flywheel when the engine is equipped with fan, alternator, air cleaner, and aftertreatment.
- Cat diesel engines are required to use ULSD (ultra-low sulfur diesel fuel with 15 ppm of sulfur or less) or ULSD blended with the following lowercarbon intensity fuels up to:
- 20% biodiesel FAME (fatty acid methyl ester)\*
- 100% renewable diesel, HVO (hydrotreated vegetable oil) and GTL (gas-to-liquid) fuels

Refer to guidelines for successful application. Please consult your Cat dealer or "Caterpillar Machine Fluids Recommendations" (SEBU6250) for details.

\* Engines with no aftertreatment devices can use higher blends, up to 30% biodiesel, where mandated.

# Operating Specifications Static Tipping Load – Full 40° Turn With Tire Deflection 11 734 kg 25,869 lb No Tire Deflection 12 487 kg 27,529 lb

- For a machine configuration as defined under "Weight."
- Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

| Buckets           |                        |                          |
|-------------------|------------------------|--------------------------|
| Bucket Capacities | 2.5-9.9 m <sup>3</sup> | 3.3-13.0 yd <sup>3</sup> |

189 kN

42,489 lbf

| Weight           |           |            |   |
|------------------|-----------|------------|---|
| O                | 20 171 1  | 4.4.460.11 | _ |
| Operating Weight | 20 171 kg | 44,469 lb  |   |

Weight based on a machine configuration with parallel lift Z-bar linkage, Bridgestone 23.5R25 VJT L3 radial tires, full fluids, operator, standard counterweight, ride control, cold start, roading fenders, Product Link™, front manual differential/open rear axles, powertrain guard, secondary steering, sound suppression, and a 3.3 m³ (4.3 yd³) general purpose bucket with bolt-on cutting edges (BOCE).

### Engine – U.S. EPA Tier 3 Equivalent/EU Stage IIIA Equivalent

| Engine Model  | Cat C7.1        |            |  |  |  |
|---|-----------------|------------|--|--|--|
| Meets Brazil MAR-1 and UN ECE R96 Stage IIIA emission |                 |            |  |  |  |
| standards, equivalent to U.S. EPA Tie                 | er 3 and EU Sta | age IIIA.  |  |  |  |
| Engine Power @ 2,100 rpm                              | 201 kW          | 269 hp     |  |  |  |
| ISO 14396:2002  |                 |            |  |  |  |
| ISO 14396:2002 (DIN)                                  | 273 hp (met     | ric)       |  |  |  |
| Gross Power @ 2,100 rpm                               | 206 kW          | 276 hp     |  |  |  |
| SAE J1995:2014  |                 |            |  |  |  |
| SAE J1995:2014 (DIN) 280 hp (metric)                  |                 |            |  |  |  |
| Net Power @ 2,100 rpm                                 | 187 kW          | 251 hp     |  |  |  |
| ISO 9249:2007, SAE J1349:2011                         |                 |            |  |  |  |
| ISO 9249:2007, SAE J1349:2011 (DI                     | N) 255 hp (met  | ric)       |  |  |  |
| Engine Torque (1,400 rpm)                             | 1245 N·m        | 918 lbf-ft |  |  |  |
| ISO 14396:2002  |                 |            |  |  |  |
| Gross Torque (1,400 rpm)                              | 1266 N·m        | 933 lbf-ft |  |  |  |
| SAE J1995:2014  |                 |            |  |  |  |
| Net Torque (1,400 rpm)                                | 1176 N·m        | 867 lbf-ft |  |  |  |
| ISO 9249:2007, SAE J1349:2011                         |                 |            |  |  |  |
| Displacement  | 7.01 L          |            |  |  |  |

- Advertised power is tested per the specified standard in effect at the time of manufacture.
- The net power advertised is the power available at the flywheel when the engine is equipped with fan, alternator, air cleaner, and muffler.
- Cat engines are compatible with diesel fuel blended with the following lower-carbon intensity fuels up to:
  - 100% biodiesel FAME (fatty acid methyl ester)\*
- 100% renewable diesel, HVO (hydrotreated vegetable oil) and GTL (gas-to-liquid) fuels

Refer to guidelines for successful application. Please consult your Cat dealer or "Caterpillar Machine Fluids Recommendations" (SEBU6250) for details

\* For use of blends higher than 20% biodiesel, consult your Cat dealer.

| Transmission |           |          |
|--------------|-----------|----------|
| Forward 1    | 6.9 km/h  | 4.3 mph  |
| Forward 2    | 12.0 km/h | 7.5 mph  |
| Forward 3    | 19.3 km/h | 12.0 mph |
| Forward 4    | 25.7 km/h | 16.0 mph |
| Forward 5    | 39.5 km/h | 24.5 mph |
| Reverse 1    | 6.9 km/h  | 4.3 mph  |
| Reverse 2    | 12.0 km/h | 7.5 mph  |
| Reverse 3    | 25.7 km/h | 16.0 mph |
| Reverse 4    | N/A       | N/A      |

 Maximum travel speed in standard vehicle with empty bucket and standard L3 tires with 787 mm (31 in) roll radius.

Breakout Force

#### **Air Conditioning System**

The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1430). The system contains 1.6 kg (3.5 lb) of refrigerant which has a  $CO_2$  equivalent 2.288 metric tonnes (2.522 tons).

| Hydraulic System   |                               |            |
|--|-------------------------------|------------|
| Implement Pump Type  | Variable Disp<br>Piston, Load |            |
| Implement System:  |                               |            |
| Maximum Pump Output (2,340 rpm)                                    | 322 L/min                     | 85 gal/min |
| Maximum Operating Pressure   | 29 300 kPa                    | 4,250 psi  |
| Optional 3 <sup>rd</sup> Function<br>Maximum Flow at Work Tool     | 240 L/min                     | 63 gal/min |
| Optional 3 <sup>rd</sup> Function<br>Maximum Pressure at Work Tool | 20 684 kPa                    | 3,000 psi  |
| Optional 4 <sup>th</sup> Function<br>Maximum Flow at Work Tool     | 240 L/min                     | 63 gal/min |
| Optional 4 <sup>th</sup> Function<br>Maximum Pressure at Work Tool | 20 684 kPa                    | 3,000 psi  |
| Hydraulic Cycle Time with Rated Paylo                              | oad:                          |            |
| Raise from Carry Position  | 5.2 sec                       |            |
| Dump at Maximum Raise  | 1.5 sec                       |            |
| Lower, Empty, Float Down   | 2.7 sec                       |            |
| Total  | 9.4 sec                       |            |

| Sound  |           |
|--|-----------|
| Operator Sound Pressure Level (ISO 6396:2008)  | 70 dB(A)  |
| Exterior Sound Power Level (ISO 6395:2008)     | 107 dB(A) |
| Operator Sound Pressure Level (ISO 6396:2008)* | 69 dB(A)  |
| Exterior Sound Power Level (ISO 6395:2008)**   | 104 dB(A) |

<sup>\*</sup>Including countries that adopt the EU and UK directives.

<sup>\*\*</sup>European Union Directive 2000/14/EC and UK Noise Regulation 2001 No. 1701.

| Service Refill Capacities                        |         |          |
|--|---------|----------|
| Fuel Tank  | 259.5 L | 68.6 gal |
| Diesel Exhaust Fluid (DEF) Tank<br>(Tier 4 only) | 15 L    | 4.0 gal  |
| Cooling System (Tier 4)                          | 54 L    | 14.3 gal |
| Cooling System (Tier 3)                          | 54 L    | 14.3 gal |
| Crankcase  | 21 L    | 5.5 gal  |
| Transmission                                     | 43 L    | 11.4 gal |
| Differentials and Final Drives – Front           | 43 L    | 11.4 gal |
| Differentials and Final Drives – Rear            | 43 L    | 11.4 gal |
| Hydraulic Tank                                   | 97 L    | 25.6 gal |

## Brakes Brakes meet ISO 3450:2011 standards

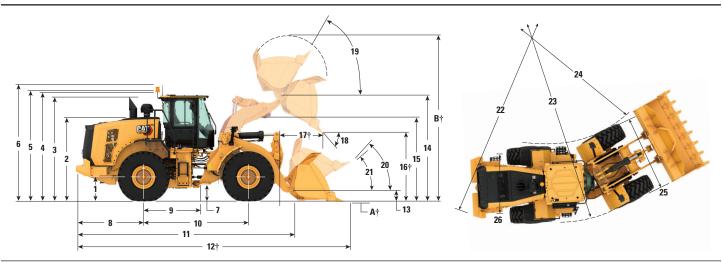
| Axles |                         |
|-------|-------------------------|
| Front | Fixed                   |
| Rear  | Oscillating ±13 degrees |

#### Cab

Rollover Protective Structure/Falling Objects Protective Structure (ROPS/FOPS) ROPS/FOPS meet ISO 3471:2008 and ISO 3449:2005 Level II standards

#### **Dimensions**

All dimensions are approximate.



|    |  | Standard Lift |             | High Lift  |        |
|----|--|---------------|-------------|------------|--------|
| 1  | Height to Axle Centerline                          | 731 mm        | 731 mm 2'4" |            | 2'4"   |
| 2  | Height to Top of Hood                              | 2692 mm       | 8'9"        | 2692 mm    | 8'9"   |
| 3  | Height to Top of Exhaust Pipe                      | 3405 mm       | 11'2"       | 3405 mm    | 11'2"  |
| 4  | Height to Top of ROPS                              | 3453 mm       | 11'3"       | 3453 mm    | 11'3"  |
| 5  | Height to Top of Product Link Antenna              | 3460 mm       | 11'4"       | 3460 mm    | 11'4"  |
| 6  | Height to Top of Warning Beacon                    | 3733 mm       | 12'2"       | 3732 mm    | 12'2"  |
| 7  | Ground Clearance                                   | 351 mm        | 1'1"        | 351 mm     | 1'1"   |
| 8  | Centerline of Rear Axle to Edge of Counterweight   | 2182 mm       | 7'1"        | 2244 mm    | 7'4"   |
| 9  | Centerline of Rear Axle to Hitch                   | 1675 mm       | 5'5"        | 1675 mm    | 5'5"   |
| 10 | Wheelbase  | 3350 mm       | 10'11"      | 3350 mm    | 10'11" |
| 11 | Overall Length (without bucket)                    | 7263 mm       | 23'10"      | 7657 mm    | 25'2"  |
| 12 | Shipping Length (with bucket level on ground)*†    | 8619 mm       | 28'4"       | 9013 mm    | 29'7"  |
| 13 | Hinge Pin Height at Carry Height                   | 674 mm        | 2'2"        | 776 mm     | 2'6"   |
| 14 | Hinge Pin Height at Maximum Lift                   | 4223 mm       | 13'10"      | 4511 mm    | 14'9"  |
| 15 | Lift Arm Clearance at Maximum Lift                 | 3459 mm       | 11'4"       | 3612 mm    | 11'10" |
| 16 | Dump Clearance at Maximum Lift and 45° Discharge*† | 3040 mm       | 9'11"       | 3328 mm    | 10'11" |
| 17 | Reach at Maximum Lift and 45° Discharge*†          | 1398 mm       | 4'7"        | 1500 mm    | 4'11"  |
| 18 | Dump Angle at Maximum Lift and Dump (on stops)*    | 49 deg        | rees        | 47 degrees |        |
| 19 | Rack Back at Maximum Lift*                         | 55 deg        | rees        | 56 degrees |        |
| 20 | Rack Back at Carry Height*                         | 51 deg        | rees        | 48 deg     | rees   |
| 21 | Rack Back at Ground*                               | 39 deg        | rees        | 43 deg     | rees   |
| 22 | Clearance Circle (dia) to Counterweight            | 12 045 mm     | 39'7"       | 12 050 mm  | 39'7"  |
| 23 | Clearance Circle (dia) to Outside of Tires         | 12 029 mm     | 39'6"       | 12 029 mm  | 39'6"  |
| 24 | Clearance Circle (dia) to Inside of Tires          | 6379 mm       | 25"0"       | 6379 mm    | 25'0"  |
| 25 | Width over Tires (unloaded)                        | 2804 mm       | 9'3"        | 2804 mm    | 9'3"   |
|    | Width over Tires (loaded)                          | 2825 mm       | 9'4"        | 2825 mm    | 9'4"   |
| 26 | Tread Width  | 2140 mm       | 7'0"        | 2140 mm    | 7'0"   |

All height and tire related dimensions are with Bridgestone 23.5R25 VJT L3 radial tires (see Tire Options chart for other tires). "Width over Tires" dimensions are over the bulge and include growth.

<sup>•</sup>All dimensions are approximate and based on machine equipped with 3.3 m³ (4.3 yd³) general purpose pin-on bucket with BOCE (see Operating Specifications for other buckets).

<sup>†</sup>Dimensions are listed in Operating Specifications charts.

#### **Tire Options**

| Tire Brand  | Bridgestone     | Michelin           | Michelin           | Michelin           | Michelin           |
|---|-----------------|--------------------|--------------------|--------------------|--------------------|
| Tire Size   | 23.5R25         | 23.5R25            | 23.5R25            | 750/65R25          | 23.5R25            |
| Tread Type  | L-3             | L-3                | L-5                | L-3                | L-2                |
| Tread Pattern   | VJT             | XHA2               | XLD D2             | XLD                | XTLA               |
| Width over Tires – Maximum (empty)*                       | 2804 mm<br>9'3" | 2823 mm<br>9'4"    | 2827 mm<br>9'4"    | 2942 mm<br>9'8"    | 2819 mm<br>9'3"    |
| Width over Tires – Maximum (loaded)*                      | 2825 mm<br>9'4" | 2830 mm<br>9'4"    | 2837 mm<br>9'4"    | 2961 mm<br>9'9"    | 2821 mm<br>9'4"    |
| Change in Vertical Dimensions (average of front and rear) |                 | 10 mm<br>0.4"      | 40 mm<br>1.6"      | 15 mm<br>0.6"      | 12 mm<br>0.5"      |
| Change in Horizontal Reach                                |                 | -6 mm<br>-0.2"     | -31 mm<br>-1.2"    | 5 mm<br>0.2"       | -7 mm<br>-0.3"     |
| Change in Clearance Circle to Outside of Tires            |                 | 4 mm<br>0.2"       | 11 mm<br>0.4"      | 135 mm<br>5.3"     | -4 mm<br>-0.2"     |
| Change in Clearance Circle to Inside of Tires             |                 | -4 mm<br>-0.2"     | -11 mm<br>-0.4"    | -135 mm<br>-5.3"   | 4 mm<br>0.2"       |
| Change in Operating Weight (without ballast)              |                 | -156 kg<br>-344 lb | 500 kg<br>1,103 lb | 633 kg<br>1,395 lb | -192 kg<br>-423 lb |
| Change in Static Tipping Load – Straight                  |                 | -99 kg<br>-218 lb  | 318 kg<br>700 lb   | 402 kg<br>886 lb   | -122 kg<br>-269 lb |
| Change in Static Tipping Load – Articulated               |                 | -87 kg<br>-191 lb  | 278 kg<br>612 lb   | 351 kg<br>774 lb   | -107 kg<br>-235 lb |
| Rear Axle Oscillation Angle                               | ±13 degrees     | ±13 degrees        | ±8 degrees         | ±8 degrees         | ±13 degrees        |
| Maximum Single-Wheel Rise and Fall                        | 481 mm<br>1'7"  | 481 mm<br>1'7"     | 298 mm<br>1'0"     | 298 mm<br>1'0"     | 481 mm<br>1'7"     |

<sup>\*</sup>Width over tire bulge and includes tire growth.

| Tire Brand                                     | Michelin    | Bridgestone | Bridgestone | Bridgestone | Bridgestone |
|--|-------------|-------------|-------------|-------------|-------------|
| Tire Size                                      | 23.5R25     | 23.5R25     | 23.5R25     | 23.5R25     | 23.5-25     |
| Tread Type                                     | L-2         | L-2         | L-2         | L-5         | L-3         |
| Tread Pattern                                  | XSNO        | VUT         | VSW         | VSDL        | VL2         |
| Width over Tires – Maximum (empty)*            | 2839 mm     | 2832 mm     | 2810 mm     | 2791 mm     | 2773 mm     |
|  | 9'4"        | 9'4"        | 9'3"        | 9'2"        | 9'2"        |
| Width over Tires – Maximum (loaded)*           | 2843 mm     | 2822 mm     | 2824 mm     | 2806 mm     | 2792 mm     |
|  | 9'4"        | 9'4"        | 9'4"        | 9'3"        | 9'2"        |
| Change in Vertical Dimensions                  | 9 mm        | 0 mm        | 11 mm       | 66 mm       | 20 mm       |
| (average of front and rear)                    | 0.3"        | 0"          | 0.4"        | 2.6"        | 0.8"        |
| Change in Horizontal Reach                     | -5 mm       | 0 mm        | 2 mm        | -36 mm      | -4 mm       |
|  | -0.2"       | 0"          | 0.1"        | -1.4"       | -0.1"       |
| Change in Clearance Circle to Outside of Tires | 18 mm       | -4 mm       | -1 mm       | -20 mm      | -34 mm      |
|  | 0.7"        | -0.1"       | 0"          | -0.8"       | -1.3"       |
| Change in Clearance Circle to Inside of Tires  | -18 mm      | 4 mm        | 1 mm        | 20 mm       | 34 mm       |
|  | -0.7"       | 0.1"        | 0"          | 0.8"        | 1.3"        |
| Change in Operating Weight (without ballast)   | -144 kg     | -120 kg     | -60 kg      | 700 kg      | -268 kg     |
|  | -318 lb     | -265 lb     | -132 lb     | 1,544 lb    | -591 lb     |
| Change in Static Tipping Load – Straight       | -91 kg      | -76 kg      | -38 kg      | 445 kg      | -170 kg     |
|  | -202 lb     | -168 lb     | -84 lb      | 980 lb      | -375 lb     |
| Change in Static Tipping Load – Articulated    | -80 kg      | -67 kg      | -33 kg      | 389 kg      | -149 kg     |
|  | -176 lb     | -147 lb     | -73 lb      | 857 lb      | -328 lb     |
| Rear Axle Oscillation Angle                    | ±13 degrees | ±13 degrees | ±8 degrees  | ±8 degrees  | ±13 degrees |
| Maximum Single-Wheel Rise and Fall             | 481 mm      | 481 mm      | 298 mm      | 298 mm      | 481 mm      |
|  | 1'7"        | 1'7"        | 1'0"        | 1'0"        | 1'7"        |

<sup>\*</sup>Width over tire bulge and includes tire growth.

#### **Tire Options**

| Tire Brand  | Bridgestone | Firestone  | Maxam       | Maxam       | Maxam       |
|---|-------------|------------|-------------|-------------|-------------|
| Tire Size   | 750/65R25   | 23.5-25    | 23.5R25     | 23.5R25     | 23.5R25     |
| Tread Type  | L-3         | L-5        | L-2         | L-2         | L-3         |
| Tread Pattern   | VTS         | SDT LD     | MS202       | MS203       | MS302       |
| Width over Tires – Maximum (empty)*                       | 2935 mm     | 2779 mm    | 2816 mm     | 2817 mm     | 2825 mm     |
|   | 9'8"        | 9'2"       | 9'3"        | 9'3"        | 9'4"        |
| Width over Tires – Maximum (loaded)*                      | 2953 mm     | 2801 mm    | 2830 mm     | 2825 mm     | 2829 mm     |
|   | 9'9"        | 9'3"       | 9'4"        | 9'4"        | 9'4"        |
| Change in Vertical Dimensions (average of front and rear) | 20 mm       | 63 mm      | 12 mm       | -2 mm       | 14 mm       |
|   | 0.8"        | 2.5"       | 0.5"        | -0.1"       | 0.6"        |
| Change in Horizontal Reach                                | -4 mm       | -44 mm     | -7 mm       | -2 mm       | -15 mm      |
|   | -0.2"       | -1.7"      | -0.3"       | -0.1"       | -0.6"       |
| Change in Clearance Circle to Outside of Tires            | 128 mm      | -24 mm     | 5 mm        | -1 mm       | 4 mm        |
|   | 5"          | -1"        | 0.2"        | 0"          | 0.1"        |
| Change in Clearance Circle to Inside of Tires             | -128 mm     | 24 mm      | -5 mm       | 1 mm        | -4 mm       |
|   | -5"         | 1"         | -0.2"       | 0"          | -0.1"       |
| Change in Operating Weight (without ballast)              | 737 kg      | 500 kg     | -32 kg      | -188 kg     | 0 kg        |
|   | 1,625 lb    | 1,103 lb   | -71 lb      | -415 lb     | 0 lb        |
| Change in Static Tipping Load – Straight                  | 468 kg      | 318 kg     | -20 kg      | -119 kg     | 0 kg        |
|   | 1,032 lb    | 700 lb     | -45 lb      | -263 lb     | 0 lb        |
| Change in Static Tipping Load – Articulated               | 409 kg      | 278 kg     | -18 kg      | -104 kg     | 0 kg        |
|   | 902 lb      | 612 lb     | -39 lb      | -230 lb     | 0 lb        |
| Rear Axle Oscillation Angle                               | ±8 degrees  | ±8 degrees | ±13 degrees | ±13 degrees | ±13 degrees |
| Maximum Single-Wheel Rise and Fall                        | 298 mm      | 298 mm     | 481 mm      | 481 mm      | 481 mm      |
|   | 1'0"        | 1'0"       | 1'7"        | 1'7"        | 1'7"        |

<sup>\*</sup>Width over tire bulge and includes tire growth.

| Tire Brand  | Maxam              | Triangle             | Triangle           | Brawler           | Brawler           |
|---|--------------------|----------------------|--------------------|-------------------|-------------------|
| Tire Size   | 23.5R25            | 23.5-25              | 23.5R25            | 23.5X25           | 23.5X25           |
| Tread Type  | L-5                | L-3                  | L-3                |                   |                   |
| Tread Pattern   | MS503              | TL612                | TB516              | Smooth            | Traction          |
| Width over Tires – Maximum (empty)*                       | 2783 mm<br>9'2"    | 2784 mm<br>9'2"      | 2792 mm<br>9'2"    | 2140 mm<br>7'1"   | 2140 mm<br>7'1"   |
| Width over Tires – Maximum (loaded)*                      | 2804 mm<br>9'3"    | 2812 mm<br>9'3"      | 2804 mm<br>9'3"    | 2140 mm<br>7'1"   | 2140 mm<br>7'1"   |
| Change in Vertical Dimensions (average of front and rear) | 59 mm<br>2.3"      | 2 mm<br>0.1"         | 43 mm<br>1.7"      | 68 mm<br>2.7"     | 68 mm<br>2.7"     |
| Change in Horizontal Reach                                | -33 mm<br>-1.3"    | -8 mm<br>-0.3"       | -13 mm<br>-0.5"    | -15 mm<br>-0.6"   | -15 mm<br>-0.6"   |
| Change in Clearance Circle to Outside of Tires            | -22 mm<br>-0.9"    | -13 mm<br>-0.5"      | -21 mm<br>-0.8"    | -685 mm<br>-27.0" | -685 mm<br>-27.0" |
| Change in Clearance Circle to Inside of Tires             | 22 mm<br>0.9"      | 13 mm<br>0.5"        | 21 mm<br>0.8"      | 685 mm<br>27.0"   | 685 mm<br>27.0"   |
| Change in Operating Weight (without ballast)              | 472 kg<br>1,041 lb | -548 kg<br>-1,208 lb | -452 kg<br>-997 lb |                   |                   |
| Change in Static Tipping Load – Straight                  | 300 kg<br>661 lb   | -366 kg<br>-806 lb   | -302 kg<br>-665 lb |                   |                   |
| Change in Static Tipping Load – Articulated               | 262 kg<br>578 lb   | -319 kg<br>-703 lb   | -263 kg<br>-580 lb |                   |                   |
| Rear Axle Oscillation Angle                               | ±8 degrees         | ±13 degrees          | ±13 degrees        | ±8 degrees        | ±8 degrees        |
| Maximum Single-Wheel Rise and Fall                        | 298 mm<br>1'0"     | 481 mm<br>1'7"       | 481 mm<br>1'7"     | 298 mm<br>1'0"    | 298 mm<br>1'0"    |

 $<sup>\</sup>mbox{\ensuremath{\mbox{\sc *}}}\mbox{\sc Width over tire bulge}$  and includes tire growth.

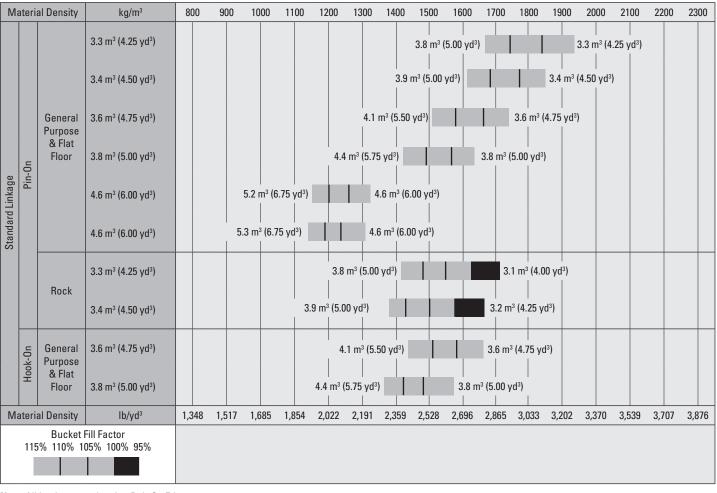
#### **Bucket Fill Factors and Selection Guide**

The bucket size must be chosen based on the density of the material and on the expected fill factor. The Cat Performance Series Buckets with longer floor, larger bucket opening, increased repository angle, rounded side boards and integrated spill guard demonstrate fill factors significantly higher than previous generation or non-Cat buckets. The actual volume handled by the machine is thus often larger than the rated capacity.

| Loose Material  |                             | Fill Factor (%)* | <b>Material Density</b> |
|-----------------|-----------------------------|------------------|-------------------------|
| Earth/Clay      |                             | 115              | 1.5-1.7                 |
| Sand and Gravel |                             | 115              | 1.5-1.7                 |
| Aggregate:      | 25-76 mm (1 to 3 in)        | 110              | 1.6-1.7                 |
|                 | 19 mm (0.75 in) and smaller | 105              | 1.8                     |
| Rock:           | 76 mm (3 in) and larger     | 100              | 1.6                     |

<sup>\*</sup>As a % of ISO 7546:1983 rated capacity.

Note: Fill Factors achieved will also depend on whether the product is washed or not washed.



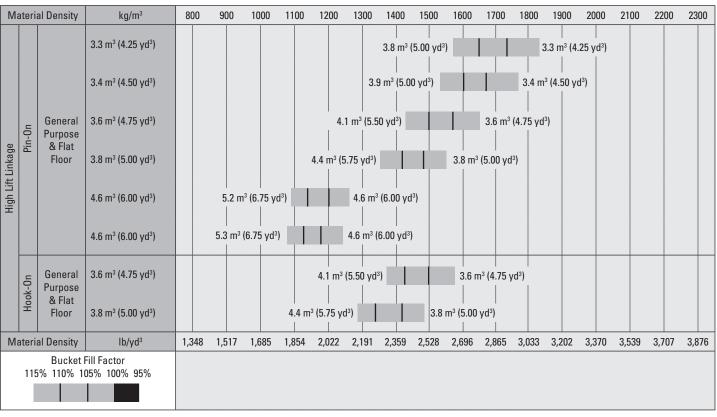
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| Loose Material  |                             | Fill Factor (%)* | Material Density |
|-----------------|-----------------------------|------------------|------------------|
| Earth/Clay      |                             | 115              | 1.5-1.7          |
| Sand and Gravel |                             | 115              | 1.5-1.7          |
| Aggregate:      | 25-76 mm (1 to 3 in)        | 110              | 1.6-1.7          |
|                 | 19 mm (0.75 in) and smaller | 105              | 1.8              |
| Rock:           | 76 mm (3 in) and larger     | 100              | 1.6              |

<sup>\*</sup>As a % of ISO 7546:1983 rated capacity.

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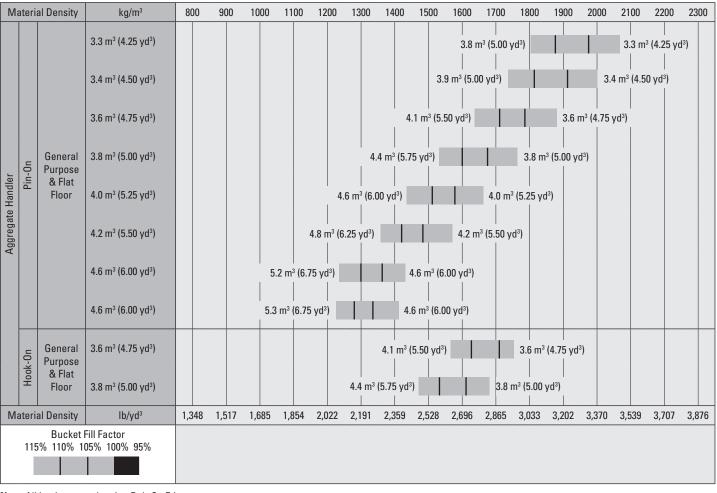
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| Loose Material  |                             | Fill Factor (%)* | <b>Material Density</b> |
|-----------------|-----------------------------|------------------|-------------------------|
| Earth/Clay      |                             | 115              | 1.5-1.7                 |
| Sand and Gravel |                             | 115              | 1.5-1.7                 |
| Aggregate:      | 25-76 mm (1 to 3 in)        | 110              | 1.6-1.7                 |
|                 | 19 mm (0.75 in) and smaller | 105              | 1.8                     |
| Rock:           | 76 mm (3 in) and larger     | 100              | 1.6                     |

<sup>\*</sup>As a % of ISO 7546:1983 rated capacity.

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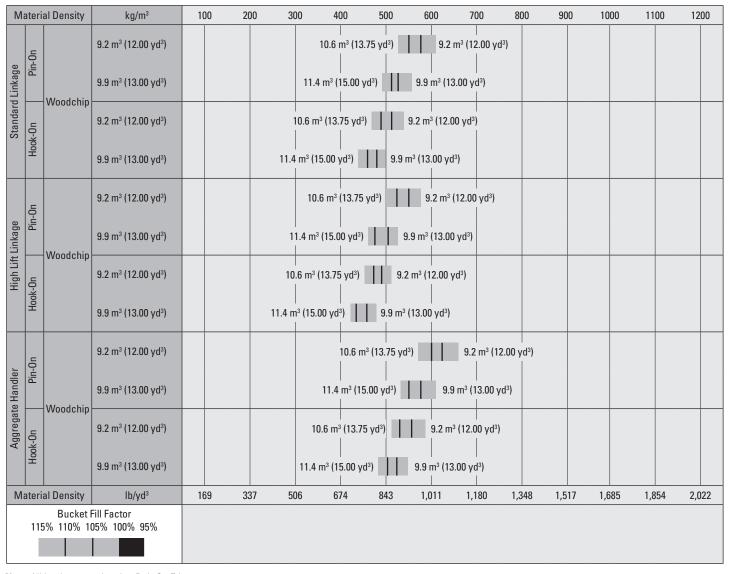
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The bucket size must be chosen based on the density of the material and on the expected fill factor. The Cat Performance Series Buckets with longer floor, larger bucket opening, increased repository angle, rounded side boards and integrated spill guard demonstrate fill factors significantly higher than previous generation or non-Cat buckets. The actual volume handled by the machine is thus often larger than the rated capacity.

| Loose Material  |                             | Fill Factor (%)* | Material Density |
|-----------------|-----------------------------|------------------|------------------|
| Earth/Clay      |                             | 115              | 1.5-1.7          |
| Sand and Gravel |                             | 115              | 1.5-1.7          |
| Aggregate:      | 25-76 mm (1 to 3 in)        | 110              | 1.6-1.7          |
|                 | 19 mm (0.75 in) and smaller | 105              | 1.8              |
| Rock:           | 76 mm (3 in) and larger     | 100              | 1.6              |

<sup>\*</sup>As a % of ISO 7546:1983 rated capacity.

Note: Fill Factors achieved will also depend on whether the product is washed or not washed.



#### **Operating Specifications – Buckets**

| Linkage                                  |                |                             |                       |        | Sta                         | andard Link           | age    |                             |                       |        |
|--|----------------|-----------------------------|-----------------------|--------|-----------------------------|-----------------------|--------|-----------------------------|-----------------------|--------|
| Bucket Type                              |                |                             |                       |        | Genera                      | I Purpose –           | Pin-On |                             |                       |        |
| Edge Type                                |                | Bolt-On<br>Cutting<br>Edges | Teeth and<br>Segments | Tips   | Bolt-On<br>Cutting<br>Edges | Teeth and<br>Segments | Tips   | Bolt-On<br>Cutting<br>Edges | Teeth and<br>Segments | Tips   |
| Capacity – Rated                         | $m^3$          | 3.30                        | 3.30                  | 3.10   | 3.40                        | 3.40                  | 3.20   | 3.60                        | 3.60                  | 3.40   |
|  | $yd^3$         | 4.25                        | 4.25                  | 4.00   | 4.50                        | 4.50                  | 4.25   | 4.75                        | 4.75                  | 4.50   |
| Capacity – Rated at 110% Fill Factor     | m <sup>3</sup> | 3.60                        | 3.60                  | 3.40   | 3.70                        | 3.70                  | 3.50   | 4.00                        | 4.00                  | 3.70   |
|  | $yd^3$         | 4.75                        | 4.75                  | 4.50   | 4.75                        | 4.75                  | 4.50   | 5.25                        | 5.25                  | 4.75   |
| Width                                    | mm             | 2927                        | 2994                  | 2994   | 2927                        | 2994                  | 2994   | 2927                        | 2994                  | 2994   |
|  | ft/in          | 9'7"                        | 9'9"                  | 9'9"   | 9'7"                        | 9'9"                  | 9'9"   | 9'7"                        | 9'9"                  | 9'9"   |
| 16† Dump Clearance at Maximum Lift       | mm             | 3039                        | 2921                  | 2921   | 3021                        | 2902                  | 2902   | 2995                        | 2875                  | 2875   |
| and 45° Discharge                        | ft/in          | 9'11"                       | 9'7"                  | 9'7"   | 9'10"                       | 9'6"                  | 9'6"   | 9'9"                        | 9'5"                  | 9'5"   |
| 17† Reach at Maximum Lift and            | mm             | 1398                        | 1508                  | 1508   | 1412                        | 1522                  | 1522   | 1434                        | 1543                  | 1543   |
| 45° Discharge                            | ft/in          | 4'7"                        | 4'11"                 | 4'11"  | 4'7"                        | 4'11"                 | 4'11"  | 4'8"                        | 5'0"                  | 5'0"   |
| Reach at Level Lift Arm and              | mm             | 2841                        | 3002                  | 3002   | 2865                        | 3026                  | 3026   | 2900                        | 3061                  | 3061   |
| Bucket Level                             | ft/in          | 9'3"                        | 9'10"                 | 9'10"  | 9'4"                        | 9'11"                 | 9'11"  | 9'6"                        | 10'0"                 | 10'0"  |
| A† Digging Depth                         | mm             | 103                         | 103                   | 73     | 103                         | 103                   | 73     | 103                         | 103                   | 73     |
|  | in             | 4"                          | 4"                    | 2.9"   | 4"                          | 4"                    | 2.9"   | 4"                          | 4"                    | 2.9"   |
| 12† Overall Length                       | mm             | 8619                        | 8792                  | 8792   | 8643                        | 8816                  | 8816   | 8678                        | 8851                  | 8851   |
|  | ft/in          | 28'4"                       | 28'11"                | 28'11" | 28'5"                       | 29'0"                 | 29'0"  | 28'6"                       | 29'1"                 | 29'1"  |
| <b>B</b> † Overall Height with Bucket at | mm             | 5773                        | 5773                  | 5773   | 5798                        | 5798                  | 5798   | 5832                        | 5832                  | 5832   |
| Maximum Lift                             | ft/in          | 19'0"                       | 19'0"                 | 19'0"  | 19'1"                       | 19'1"                 | 19'1"  | 19'2"                       | 19'2"                 | 19'2"  |
| Loader Clearance Circle Radius           | mm             | 6800                        | 6886                  | 6886   | 6807                        | 6894                  | 6894   | 6818                        | 6905                  | 6905   |
| with Bucket at Carry Position            | ft/in          | 22'4"                       | 22'8"                 | 22'8"  | 22'4"                       | 22'8"                 | 22'8"  | 22'5"                       | 22'8"                 | 22'8"  |
| Static Tipping Load, Straight            | kg             | 13 690                      | 13 550                | 13 841 | 13 644                      | 13 503                | 13 792 | 13 569                      | 13 427                | 13 713 |
| (With tire deflection)                   | lb             | 30,182                      | 29,872                | 30,516 | 30,080                      | 29,770                | 30,406 | 29,915                      | 29,603                | 30,232 |
| Static Tipping Load, Straight            | kg             | 14 430                      | 14 288                | 14 588 | 14 385                      | 14 243                | 14 539 | 14 311                      | 14 169                | 14 461 |
| (No tire deflection)                     | lb             | 31,814                      | 31,501                | 32,161 | 31,714                      | 31,401                | 32,053 | 31,552                      | 31,237                | 31,881 |
| Static Tipping Load,                     | kg             | 11 734                      | 11 594                | 11 866 | 11 690                      | 11 549                | 11 819 | 11 619                      | 11 478                | 11 744 |
| Articulated (With tire deflection)       | lb             | 25,870                      | 25,560                | 26,161 | 25,773                      | 25,462                | 26,057 | 25,617                      | 25,305                | 25,892 |
| Static Tipping Load, Articulated         | kg             | 12 487                      | 12 345                | 12 624 | 12 444                      | 12 302                | 12 578 | 12 374                      | 12 232                | 12 504 |
| (No tire deflection)                     | lb             | 27,529                      | 27,217                | 27,832 | 27,435                      | 27,121                | 27,729 | 27,282                      | 26,967                | 27,567 |
| Breakout Force(§)                        | kN             | 189                         | 188                   | 205    | 185                         | 184                   | 200    | 180                         | 179                   | 195    |
|  | lbf            | 42,503                      | 42,264                | 46,073 | 41,695                      | 41,456                | 45,135 | 40,566                      | 40,327                | 43,827 |
| Operating Weight*                        | kg             | 20 171                      | 20 279                | 20 122 | 20 195                      | 20 303                | 20 146 | 20 232                      | 20 340                | 20 183 |
|  | lb             | 44,470                      | 44,708                | 44,362 | 44,522                      | 44,761                | 44,414 | 44,603                      | 44,841                | 44,495 |
|  |                |                             |                       |        |                             |                       |        |                             |                       |        |

<sup>\*</sup>Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 23.5R25 VJT L3 radial tires, full fluids, operator, standard counterweight, ride control, cold start, roading fenders, Product Link™, manual diff lock/open axles (front and rear), powertrain guard, secondary steering and sound suppression.

(No tire deflection) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

<sup>†</sup> Illustration shown with Dimension charts.

<sup>\*\*\*</sup>Rock bucket specifications are given on Bridgestone 23.5R25 VSDL L5 radial tires.

<sup>(§)</sup> Measured 100 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with ISO 14397-2:2007.

 $<sup>(</sup>With tire \ deflection) \ Full \ compliance \ to \ ISO \ 14397-1:2007 \ Sections \ 1 \ thru \ 6, which \ requires \ 2\% \ verification \ between \ calculations \ and \ testing.$ 

#### **Operating Specifications – Buckets (continued)**

| Linkage                                    |        | Standard Linkage      |                          |        |  |  |  |  |
|--|--------|-----------------------|--------------------------|--------|--|--|--|--|
| Bucket Type                                |        |                       | General Purpose – Pin-On |        |  |  |  |  |
| Edge Type                                  |        | Bolt-On Cutting Edges | Teeth and<br>Segments    | Tips   |  |  |  |  |
| Capacity – Rated                           | $m^3$  | 3.80                  | 3.80                     | 3.60   |  |  |  |  |
|  | $yd^3$ | 5.00                  | 5.00                     | 4.75   |  |  |  |  |
| Capacity – Rated at 110% Fill Factor       | $m^3$  | 4.20                  | 4.20                     | 4.00   |  |  |  |  |
|  | $yd^3$ | 5.50                  | 5.50                     | 5.25   |  |  |  |  |
| Width                                      | mm     | 2927                  | 2994                     | 2994   |  |  |  |  |
|  | ft/in  | 9'7"                  | 9'9"                     | 9'9"   |  |  |  |  |
| <b>16</b> † Dump Clearance at Maximum Lift | mm     | 2960                  | 2840                     | 2840   |  |  |  |  |
| and 45° Discharge                          | ft/in  | 9'8"                  | 9'3"                     | 9'3"   |  |  |  |  |
| 17† Reach at Maximum Lift and              | mm     | 1463                  | 1572                     | 1572   |  |  |  |  |
| 45° Discharge                              | ft/in  | 4'9"                  | 5'1"                     | 5'1"   |  |  |  |  |
| Reach at Level Lift Arm and                | mm     | 2946                  | 3107                     | 3107   |  |  |  |  |
| Bucket Level                               | ft/in  | 9'7"                  | 10'2"                    | 10'2"  |  |  |  |  |
| A† Digging Depth                           | mm     | 103                   | 103                      | 73     |  |  |  |  |
|  | in     | 4"                    | 4"                       | 2.9"   |  |  |  |  |
| 12† Overall Length                         | mm     | 8724                  | 8897                     | 8897   |  |  |  |  |
|  | ft/in  | 28'8"                 | 29'3"                    | 29'3"  |  |  |  |  |
| <b>B</b> † Overall Height with Bucket at   | mm     | 5879                  | 5879                     | 5879   |  |  |  |  |
| Maximum Lift                               | ft/in  | 19'4"                 | 19'4"                    | 19'4"  |  |  |  |  |
| Loader Clearance Circle Radius             | mm     | 6832                  | 6919                     | 6919   |  |  |  |  |
| with Bucket at Carry Position              | ft/in  | 22'5"                 | 22'9"                    | 22'9"  |  |  |  |  |
| Static Tipping Load, Straight              | kg     | 13 463                | 13 321                   | 13 602 |  |  |  |  |
| (With tire deflection)                     | lb     | 29,682                | 29,368                   | 29,988 |  |  |  |  |
| Static Tipping Load, Straight              | kg     | 14 208                | 14 064                   | 14 351 |  |  |  |  |
| (No tire deflection)                       | lb     | 31,323                | 31,006                   | 31,640 |  |  |  |  |
| Static Tipping Load,                       | kg     | 11 519                | 11 377                   | 11 639 |  |  |  |  |
| Articulated (With tire deflection)         | lb     | 25,396                | 25,082                   | 25,660 |  |  |  |  |
| Static Tipping Load, Articulated           | kg     | 12 276                | 12 132                   | 12 400 |  |  |  |  |
| (No tire deflection)                       | 1b     | 27,065                | 26,748                   | 27,339 |  |  |  |  |
| Breakout Force(§)                          | kN     | 174                   | 173                      | 187    |  |  |  |  |
|  | lbf    | 39,159                | 38,920                   | 42,206 |  |  |  |  |
| Operating Weight*                          | kg     | 20 286                | 20 394                   | 20 237 |  |  |  |  |
|  | lb     | 44,723                | 44,961                   | 44,615 |  |  |  |  |

<sup>\*</sup> Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 23.5R25 VJT L3 radial tires, full fluids, operator, standard counterweight, ride control, cold start, roading fenders, Product Link, manual diff lock/open axles (front and rear), powertrain guard, secondary steering and sound suppression.

(With tire deflection) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

(No tire deflection) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

<sup>†</sup> Illustration shown with Dimension charts.

<sup>\*\*\*</sup>Rock bucket specifications are given on Bridgestone 23.5R25 VSDL L5 radial tires.

<sup>(§)</sup> Measured 100 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with ISO 14397-2:2007.

#### **Operating Specifications – Buckets (continued)**

| Linkage                                  |        |                                     |                       | Standa | rd Linkage               |                       |        |  |  |  |
|--|--------|-------------------------------------|-----------------------|--------|--------------------------|-----------------------|--------|--|--|--|
| Bucket Type                              |        | General Purpose — Hook-On — Fusion™ |                       |        |                          |                       |        |  |  |  |
| Edge Type                                |        | Bolt-On Cutting<br>Edges            | Teeth and<br>Segments | Tips   | Bolt-On<br>Cutting Edges | Teeth and<br>Segments | Tips   |  |  |  |
| Capacity – Rated                         | $m^3$  | 3.60                                | 3.60                  | 3.40   | 3.80                     | 3.80                  | 3.60   |  |  |  |
|  | $yd^3$ | 4.75                                | 4.75                  | 4.50   | 5.00                     | 5.00                  | 4.75   |  |  |  |
| Capacity – Rated at 110% Fill Factor     | $m^3$  | 4.00                                | 4.00                  | 3.70   | 4.20                     | 4.20                  | 4.00   |  |  |  |
|  | $yd^3$ | 5.25                                | 5.25                  | 4.75   | 5.50                     | 5.50                  | 5.25   |  |  |  |
| Width                                    | mm     | 2927                                | 2994                  | 2994   | 2927                     | 2994                  | 2994   |  |  |  |
|  | ft/in  | 9'7"                                | 9'9"                  | 9'9"   | 9'7"                     | 9'9"                  | 9'9"   |  |  |  |
| 6† Dump Clearance at Maximum Lift        | mm     | 2955                                | 2835                  | 2835   | 2920                     | 2800                  | 2800   |  |  |  |
| and 45° Discharge                        | ft/in  | 9'8"                                | 9'3"                  | 9'3"   | 9'6"                     | 9'2"                  | 9'2"   |  |  |  |
| 7† Reach at Maximum Lift and             | mm     | 1479                                | 1588                  | 1588   | 1508                     | 1617                  | 1617   |  |  |  |
| 45° Discharge                            | ft/in  | 4'10"                               | 5'2"                  | 5'2"   | 4'11"                    | 5'3"                  | 5'3"   |  |  |  |
| Reach at Level Lift Arm and              | mm     | 2960                                | 3121                  | 3121   | 3006                     | 3167                  | 3167   |  |  |  |
| Bucket Level                             | ft/in  | 9'8"                                | 10'2"                 | 10'2"  | 9'10"                    | 10'4"                 | 10'4"  |  |  |  |
| A† Digging Depth                         | mm     | 103                                 | 103                   | 73     | 103                      | 103                   | 73     |  |  |  |
|  | in     | 4"                                  | 4"                    | 2.9"   | 4"                       | 4"                    | 2.9"   |  |  |  |
| 2† Overall Length                        | mm     | 8738                                | 8911                  | 8911   | 8784                     | 8957                  | 8957   |  |  |  |
|  | ft/in  | 28'9"                               | 29'3"                 | 29'3"  | 28'10"                   | 29'5"                 | 29'5"  |  |  |  |
| <b>B</b> † Overall Height with Bucket at | mm     | 5866                                | 5866                  | 5866   | 5913                     | 5913                  | 5913   |  |  |  |
| Maximum Lift                             | ft/in  | 19'3"                               | 19'3"                 | 19'3"  | 19'5"                    | 19'5"                 | 19'5"  |  |  |  |
| Loader Clearance Circle Radius           | mm     | 6833                                | 6921                  | 6921   | 6848                     | 6936                  | 6936   |  |  |  |
| with Bucket at Carry Position            | ft/in  | 22'6"                               | 22'9"                 | 22'9"  | 22'6"                    | 22'10"                | 22'10" |  |  |  |
| Static Tipping Load, Straight            | kg     | 13 004                              | 12 863                | 13 196 | 12 912                   | 12 770                | 13 102 |  |  |  |
| (With tire deflection)                   | lb     | 28,670                              | 28,359                | 29,092 | 28,467                   | 28,155                | 28,885 |  |  |  |
| Static Tipping Load, Straight            | kg     | 13 736                              | 13 594                | 13 938 | 13 646                   | 13 503                | 13 846 |  |  |  |
| (No tire deflection)                     | lb     | 30,284                              | 29,970                | 30,729 | 30,084                   | 29,769                | 30,526 |  |  |  |
| Static Tipping Load,                     | kg     | 11 083                              | 10 942                | 11 256 | 10 996                   | 10 855                | 11 168 |  |  |  |
| Articulated (With tire deflection)       | lb     | 24,435                              | 24,124                | 24,816 | 24,244                   | 23,931                | 24,621 |  |  |  |
| Static Tipping Load, Articulated         | kg     | 11 828                              | 11 686                | 12 011 | 11 743                   | 11 600                | 11 924 |  |  |  |
| (No tire deflection)                     | lb     | 26,078                              | 25,764                | 26,481 | 25,890                   | 25,574                | 26,290 |  |  |  |
| Breakout Force(§)                        | kN     | 172                                 | 171                   | 185    | 166                      | 165                   | 179    |  |  |  |
| (0)                                      | lbf    | 38,782                              | 38,543                | 41,770 | 37,489                   | 37,251                | 40,290 |  |  |  |
| Operating Weight*                        | kg     | 20 676                              | 20 784                | 20 627 | 20 721                   | 20 829                | 20 672 |  |  |  |
| 1 · ··· · · · · · · · · · · · · · · · ·  | lb     | 45,581                              | 45,820                | 45,473 | 45,681                   | 45,919                | 45,573 |  |  |  |

<sup>\*</sup> Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 23.5R25 VJT L3 radial tires, full fluids, operator, standard counterweight, ride control, cold start, roading fenders, Product Link, manual diff lock/open axles (front and rear), powertrain guard, secondary steering and sound suppression.

(With tire deflection) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

(No tire deflection) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

<sup>†</sup> Illustration shown with Dimension charts.

<sup>\*\*\*</sup>Rock bucket specifications are given on Bridgestone 23.5R25 VSDL L5 radial tires.

<sup>(§)</sup> Measured 100 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with ISO 14397-2:2007.

#### **Operating Specifications – Buckets (continued)**

| Linkage                                    |        | ,                           |                       |        | Sta                         | andard Link           | age    |                             |                       |        |
|--|--------|-----------------------------|-----------------------|--------|-----------------------------|-----------------------|--------|-----------------------------|-----------------------|--------|
| Bucket Type                                |        |                             |                       |        | Fla                         | t Floor – Pin         | ı-On   |                             |                       |        |
| Edge Type                                  |        | Bolt-On<br>Cutting<br>Edges | Teeth and<br>Segments | Tips   | Bolt-On<br>Cutting<br>Edges | Teeth and<br>Segments | Tips   | Bolt-On<br>Cutting<br>Edges | Teeth and<br>Segments | Tips   |
| Capacity – Rated                           | $m^3$  | 3.40                        | 3.40                  | 3.20   | 3.60                        | 3.60                  | 3.40   | 3.80                        | 3.80                  | 3.60   |
|  | yd³    | 4.50                        | 4.50                  | 4.25   | 4.75                        | 4.75                  | 4.50   | 5.00                        | 5.00                  | 4.75   |
| Capacity – Rated at 110% Fill Factor       | $m^3$  | 3.70                        | 3.70                  | 3.50   | 4.00                        | 4.00                  | 3.70   | 4.20                        | 4.20                  | 4.00   |
|  | $yd^3$ | 4.75                        | 4.75                  | 4.50   | 5.25                        | 5.25                  | 4.75   | 5.50                        | 5.50                  | 5.25   |
| Width                                      | mm     | 2927                        | 2994                  | 2994   | 2927                        | 2994                  | 2994   | 2927                        | 2994                  | 2994   |
|  | ft/in  | 9'7"                        | 9'9"                  | 9'9"   | 9'7"                        | 9'9"                  | 9'9"   | 9'7"                        | 9'9"                  | 9'9"   |
| <b>16</b> † Dump Clearance at Maximum Lift | mm     | 2963                        | 2837                  | 2837   | 2931                        | 2806                  | 2806   | 2895                        | 2770                  | 2770   |
| and 45° Discharge                          | ft/in  | 9'8"                        | 9'3"                  | 9'3"   | 9'7"                        | 9'2"                  | 9'2"   | 9'5"                        | 9'1"                  | 9'1"   |
| 17† Reach at Maximum Lift and              | mm     | 1346                        | 1448                  | 1448   | 1378                        | 1480                  | 1480   | 1414                        | 1516                  | 1516   |
| 45° Discharge                              | ft/in  | 4'5"                        | 4'9"                  | 4'9"   | 4'6"                        | 4'10"                 | 4'10"  | 4'7"                        | 4'11"                 | 4'11"  |
| Reach at Level Lift Arm and                | mm     | 2875                        | 3036                  | 3036   | 2920                        | 3081                  | 3081   | 2971                        | 3132                  | 3132   |
| Bucket Level                               | ft/in  | 9'5"                        | 9'11"                 | 9'11"  | 9'6"                        | 10'1"                 | 10'1"  | 9'8"                        | 10'3"                 | 10'3"  |
| A† Digging Depth                           | mm     | 103                         | 103                   | 73     | 103                         | 103                   | 73     | 103                         | 103                   | 73     |
|  | in     | 4"                          | 4"                    | 2.9"   | 4"                          | 4"                    | 2.9"   | 4"                          | 4"                    | 2.9"   |
| 12† Overall Length                         | mm     | 8653                        | 8826                  | 8826   | 8698                        | 8871                  | 8871   | 8749                        | 8922                  | 8922   |
|  | ft/in  | 28'5"                       | 29'0"                 | 29'0"  | 28'7"                       | 29'2"                 | 29'2"  | 28'9"                       | 29'4"                 | 29'4"  |
| <b>B</b> † Overall Height with Bucket at   | mm     | 5768                        | 5768                  | 5768   | 5816                        | 5816                  | 5816   | 5864                        | 5864                  | 5864   |
| Maximum Lift                               | ft/in  | 19'0"                       | 19'0"                 | 19'0"  | 19'1"                       | 19'1"                 | 19'1"  | 19'3"                       | 19'3"                 | 19'3"  |
| Loader Clearance Circle Radius             | mm     | 6810                        | 6897                  | 6897   | 6824                        | 6911                  | 6911   | 6840                        | 6927                  | 6927   |
| with Bucket at Carry Position              | ft/in  | 22'5"                       | 22'8"                 | 22'8"  | 22'5"                       | 22'9"                 | 22'9"  | 22'6"                       | 22'9"                 | 22'9"  |
| Static Tipping Load, Straight              | kg     | 13 490                      | 13 351                | 13 632 | 13 397                      | 13 256                | 13 534 | 13 288                      | 13 147                | 13 420 |
| (With tire deflection)                     | lb     | 29,741                      | 29,434                | 30,054 | 29,535                      | 29,226                | 29,837 | 29,296                      | 28,985                | 29,588 |
| Static Tipping Load, Straight              | kg     | 14 213                      | 14 072                | 14 360 | 14 121                      | 13 980                | 14 263 | 14 014                      | 13 872                | 14 151 |
| (No tire deflection)                       | lb     | 31,335                      | 31,025                | 31,658 | 31,133                      | 30,820                | 31,445 | 30,897                      | 30,582                | 31,198 |
| Static Tipping Load,                       | kg     | 11 558                      | 11 418                | 11 681 | 11 470                      | 11 329                | 11 589 | 11 367                      | 11 226                | 11 482 |
| Articulated (With tire deflection)         | lb     | 25,481                      | 25,173                | 25,754 | 25,287                      | 24,977                | 25,550 | 25,061                      | 24,749                | 25,313 |
| Static Tipping Load, Articulated           | kg     | 12 294                      | 12 153                | 12 422 | 12 207                      | 12 066                | 12 330 | 12 107                      | 11 964                | 12 225 |
| (No tire deflection)                       | lb     | 27,104                      | 26,793                | 27,386 | 26,913                      | 26,601                | 27,185 | 26,691                      | 26,376                | 26,951 |
| Breakout Force(§)                          | kN     | 184                         | 182                   | 199    | 177                         | 176                   | 191    | 170                         | 169                   | 184    |
|  | lbf    | 41,357                      | 41,118                | 44,743 | 39,939                      | 39,700                | 43,104 | 38,428                      | 38,189                | 41,367 |
| Operating Weight*                          | kg     | 20 197                      | 20 305                | 20 148 | 20 241                      | 20 349                | 20 192 | 20 295                      | 20 403                | 20 246 |
|  | lb     | 44,527                      | 44,765                | 44,419 | 44,623                      | 44,861                | 44,515 | 44,742                      | 44,980                | 44,634 |
|  |        |                             |                       |        | : ' -                       | ,                     | , ,    | : ′                         | ,                     |        |

<sup>\*</sup>Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 23.5R25 VJT L3 radial tires, full fluids, operator, standard counterweight, ride control, cold start, roading fenders, Product Link, manual diff lock/open axles (front and rear), powertrain guard, secondary steering and sound suppression.

<sup>†</sup> Illustration shown with Dimension charts.

<sup>\*\*\*</sup>Rock bucket specifications are given on Bridgestone 23.5R25 VSDL L5 radial tires.

<sup>(§)</sup> Measured 100 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with ISO 14397-2:2007.

<sup>(</sup>With tire deflection) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

<sup>(</sup>No tire deflection) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

Other buckets are available and offerings vary by region. Consult your local Cat dealer for further details.

#### **Operating Specifications – Buckets (continued)**

| Linkage                                    |                | Standard Linkage |                    |   |                          |                          |  |  |  |
|--|----------------|------------------|--------------------|---|--------------------------|--------------------------|--|--|--|
| Bucket Type                                |                | Flat Fl          | oor – Pin-On – BGE | Flat Floor – Pin-On –<br>Light Material |                          |                          |  |  |  |
| Edge Type                                  |                | Tips             | Tips               | Tips                                    | Bolt-On Cutting<br>Edges | Bolt-On Cutting<br>Edges |  |  |  |
| Capacity – Rated                           | $m^3$          | 3.40             | 3.60               | 3.80                                    | 4.60                     | 4.60                     |  |  |  |
|  | $yd^3$         | 4.50             | 4.75               | 5.00                                    | 6.00                     | 6.00                     |  |  |  |
| Capacity – Rated at 110% Fill Factor       | m <sup>3</sup> | 3.70             | 4.00               | 4.20                                    | 5.00                     | 5.00                     |  |  |  |
| •  | $yd^3$         | 4.75             | 5.25               | 5.50                                    | 6.50                     | 6.50                     |  |  |  |
| Width                                      | mm             | 2994             | 2995               | 2995                                    | 3059                     | 3338                     |  |  |  |
|  | ft/in          | 9'9"             | 9'9"               | 9'9"                                    | 10'0"                    | 10'11"                   |  |  |  |
| <b>16</b> † Dump Clearance at Maximum Lift | mm             | 2855             | 2788               | 2757                                    | 2831                     | 2836                     |  |  |  |
| and 45° Discharge                          | ft/in          | 9'4"             | 9'1"               | 9'0"                                    | 9'3"                     | 9'3"                     |  |  |  |
| 17† Reach at Maximum Lift and              | mm             | 1484             | 1552               | 1583                                    | 1471                     | 1487                     |  |  |  |
| 45° Discharge                              | ft/in          | 4'10"            | 5'1"               | 5'2"                                    | 4'9"                     | 4'10"                    |  |  |  |
| Reach at Level Lift Arm and                | mm             | 3049             | 3144               | 3188                                    | 3057                     | 3065                     |  |  |  |
| Bucket Level                               | ft/in          | 10'0"            | 10'3"              | 10'5"                                   | 10'0"                    | 10'0"                    |  |  |  |
| A† Digging Depth                           | mm             | 76               | 76                 | 76                                      | 73                       | 93                       |  |  |  |
|  | in             | 3"               | 3"                 | 3"                                      | 2.9"                     | 3.7"                     |  |  |  |
| 12† Overall Length                         | mm             | 8812             | 8907               | 8951                                    | 8839                     | 8836                     |  |  |  |
|  | ft/in          | 28'11"           | 29'3"              | 29'5"                                   | 29'0"                    | 29'0"                    |  |  |  |
| <b>B</b> † Overall Height with Bucket at   | mm             | 5834             | 5864               | 5907                                    | 6000                     | 5715                     |  |  |  |
| Maximum Lift                               | ft/in          | 19'2"            | 19'3"              | 19'5"                                   | 19'9"                    | 18'9"                    |  |  |  |
| Loader Clearance Circle Radius             | mm             | 6886             | 6916               | 6930                                    | 6927                     | 7048                     |  |  |  |
| with Bucket at Carry Position              | ft/in          | 22'8"            | 22'9"              | 22'9"                                   | 22'9"                    | 23'2"                    |  |  |  |
| Static Tipping Load, Straight              | kg             | 13 387           | 13 166             | 13 056                                  | 12 971                   | 13 072                   |  |  |  |
| (With tire deflection)                     | lb             | 29,514           | 29,026             | 28,784                                  | 28,598                   | 28,820                   |  |  |  |
| Static Tipping Load, Straight              | kg             | 14 115           | 13 892             | 13 783                                  | 13 705                   | 13 779                   |  |  |  |
| (No tire deflection)                       | lb             | 31,119           | 30,626             | 30,386                                  | 30,215                   | 30,377                   |  |  |  |
| Static Tipping Load,                       | kg             | 11 445           | 11 237             | 11 133                                  | 11 059                   | 11 179                   |  |  |  |
| Articulated (With tire deflection)         | lb             | 25,232           | 24,774             | 24,544                                  | 24,381                   | 24,646                   |  |  |  |
| Static Tipping Load, Articulated           | kg             | 12 186           | 11 976             | 11 873                                  | 11 806                   | 11 900                   |  |  |  |
| (No tire deflection)                       | lb             | 26,865           | 26,403             | 26,175                                  | 26,028                   | 26,235                   |  |  |  |
| Breakout Force(§)                          | kN             | 195              | 180                | 174                                     | 170                      | 160                      |  |  |  |
|  | lbf            | 43,852           | 40,609             | 39,231                                  | 38,213                   | 36,055                   |  |  |  |
| Operating Weight*                          | kg             | 20 371           | 20 468             | 20 528                                  | 20 524                   | 20 321                   |  |  |  |
|  | lb             | 44,910           | 45,124             | 45,256                                  | 45,248                   | 44,800                   |  |  |  |

<sup>\*</sup>Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 23.5R25 VJT L3 radial tires, full fluids, operator, standard counterweight, ride control, cold start, roading fenders, Product Link, manual diff lock/open axles (front and rear), powertrain guard, secondary steering and sound suppression.

(With tire deflection) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing. (No tire deflection) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

<sup>†</sup> Illustration shown with Dimension charts.

<sup>\*\*\*</sup>Rock bucket specifications are given on Bridgestone 23.5R25 VSDL L5 radial tires.

<sup>(§)</sup> Measured 100 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with ISO 14397-2:2007.

#### **Operating Specifications – Buckets (continued)**

| Linkage                                    |                |                             |                       |              | Standar                     | d Linkage             |        |                            |                        |
|--|----------------|-----------------------------|-----------------------|--------------|-----------------------------|-----------------------|--------|----------------------------|------------------------|
| Bucket Type                                |                |                             | Fla                   | t Floor – Ho | ok-On – Fus                 | sion                  |        | Flat Floor –<br>Fusion – E | Hook-On -<br>BGE – FMT |
| Edge Type                                  |                | Bolt-On<br>Cutting<br>Edges | Teeth and<br>Segments | Tips         | Bolt-On<br>Cutting<br>Edges | Teeth and<br>Segments | Tips   | Tips                       | Tips                   |
| Capacity – Rated                           | m <sup>3</sup> | 3.60                        | 3.60                  | 3.40         | 3.80                        | 3.80                  | 3.70   | 3.40                       | 3.80                   |
|  | $yd^3$         | 4.75                        | 4.75                  | 4.50         | 5.00                        | 5.00                  | 4.75   | 4.50                       | 5.00                   |
| Capacity – Rated at 110% Fill Factor       | m <sup>3</sup> | 4.00                        | 4.00                  | 3.70         | 4.20                        | 4.20                  | 4.00   | 3.70                       | 4.20                   |
|  | $yd^3$         | 5.25                        | 5.25                  | 4.75         | 5.50                        | 5.50                  | 5.25   | 4.75                       | 5.50                   |
| Width                                      | mm             | 2927                        | 2994                  | 2994         | 2927                        | 2994                  | 2994   | 2995                       | 2995                   |
|  | ft/in          | 9'7"                        | 9'9"                  | 9'9"         | 9'7"                        | 9'9"                  | 9'9"   | 9'9"                       | 9'9"                   |
| <b>16</b> † Dump Clearance at Maximum Lift | mm             | 2889                        | 2763                  | 2763         | 2836                        | 2710                  | 2710   | 2673                       | 2598                   |
| and 45° Discharge                          | ft/in          | 9'5"                        | 9'0"                  | 9'0"         | 9'3"                        | 8'10"                 | 8'10"  | 8'9"                       | 8'6"                   |
| 17† Reach at Maximum Lift and              | mm             | 1420                        | 1522                  | 1522         | 1473                        | 1575                  | 1575   | 1554                       | 1628                   |
| 45° Discharge                              | ft/in          | 4'7"                        | 4'11"                 | 4'11"        | 4'10"                       | 5'2"                  | 5'2"   | 5'1"                       | 5'4"                   |
| Reach at Level Lift Arm and                | mm             | 2980                        | 3141                  | 3141         | 3055                        | 3216                  | 3216   | 3227                       | 3332                   |
| Bucket Level                               | ft/in          | 9'9"                        | 10'3"                 | 10'3"        | 10'0"                       | 10'6"                 | 10'6"  | 10'7"                      | 10'11"                 |
| A† Digging Depth                           | mm             | 103                         | 103                   | 73           | 103                         | 103                   | 73     | 76                         | 76                     |
|  | in             | 4"                          | 4"                    | 2.9"         | 4"                          | 4"                    | 2.9"   | 3"                         | 3"                     |
| 12† Overall Length                         | mm             | 8758                        | 8931                  | 8931         | 8833                        | 9006                  | 9006   | 9046                       | 9151                   |
|  | ft/in          | 28'9"                       | 29'4"                 | 29'4"        | 29'0"                       | 29'7"                 | 29'7"  | 29'9"                      | 30'1"                  |
| <b>B</b> † Overall Height with Bucket at   | mm             | 5845                        | 5845                  | 5845         | 5910                        | 5910                  | 5910   | 5846                       | 5962                   |
| Maximum Lift                               | ft/in          | 19'3"                       | 19'3"                 | 19'3"        | 19'5"                       | 19'5"                 | 19'5"  | 19'3"                      | 19'7"                  |
| Loader Clearance Circle Radius             | mm             | 6840                        | 6928                  | 6928         | 6864                        | 6952                  | 6952   | 6973                       | 7007                   |
| with Bucket at Carry Position              | ft/in          | 22'6"                       | 22'9"                 | 22'9"        | 22'7"                       | 22'10"                | 22'10" | 22'11"                     | 23'0"                  |
| Static Tipping Load, Straight              | kg             | 12 841                      | 12 701                | 13 024       | 12 514                      | 12 375                | 12 696 | 12 593                     | 12 367                 |
| (With tire deflection)                     | lb             | 28,311                      | 28,002                | 28,714       | 27,589                      | 27,282                | 27,990 | 27,762                     | 27,266                 |
| Static Tipping Load, Straight              | kg             | 13 556                      | 13 414                | 13 748       | 13 212                      | 13 071                | 13 404 | 13 304                     | 13 081                 |
| (No tire deflection)                       | lb             | 29,886                      | 29,574                | 30,310       | 29,128                      | 28,818                | 29,551 | 29,330                     | 28,838                 |
| Static Tipping Load,                       | kg             | 10 942                      | 10 802                | 11 108       | 10 646                      | 10 506                | 10 810 | 10 691                     | 10 478                 |
| Articulated (With tire deflection)         | lb             | 24,124                      | 23,815                | 24,489       | 23,471                      | 23,163                | 23,832 | 23,570                     | 23,100                 |
| Static Tipping Load, Articulated           | kg             | 11 670                      | 11 529                | 11 845       | 11 359                      | 11 218                | 11 532 | 11 416                     | 11 205                 |
| (No tire deflection)                       | lb             | 25,729                      | 25,418                | 26,114       | 25,042                      | 24,732                | 25,424 | 25,169                     | 24,703                 |
| Breakout Force(§)                          | kN             | 170                         | 168                   | 182          | 160                         | 159                   | 172    | 177                        | 165                    |
|  | lbf            | 38,207                      | 37,968                | 41,111       | 36,152                      | 35,913                | 38,769 | 39,922                     | 37,126                 |
| Operating Weight*                          | kg             | 20 684                      | 20 792                | 20 635       | 20 790                      | 20 898                | 20 741 | 20 941                     | 21 064                 |
| - 5 5                                      | lb             | 45,599                      | 45,838                | 45,491       | 45,833                      | 46,071                | 45,725 | 46,166                     | 46,437                 |

<sup>\*</sup> Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 23.5R25 VJT L3 radial tires, full fluids, operator, standard counterweight, ride control, cold start, roading fenders, Product Link, manual diff lock/open axles (front and rear), powertrain guard, secondary steering and sound suppression.

(With tire deflection) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

(No tire deflection) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

<sup>†</sup> Illustration shown with Dimension charts.

<sup>\*\*\*</sup>Rock bucket specifications are given on Bridgestone 23.5R25 VSDL L5 radial tires.

<sup>(§)</sup> Measured 100 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with ISO 14397-2:2007.

#### **Operating Specifications – Buckets (continued)**

| Linkage                                  |        |                          |                       | Standa | ord Linkage              |                       |          |
|--|--------|--------------------------|-----------------------|--------|--------------------------|-----------------------|----------|
| Bucket Type                              |        | Multi                    | i-Purpose – Pin       | -On    | Multi-Purp               | ose – Hook-On         | – Fusion |
| Edge Type                                |        | Bolt-On Cutting<br>Edges | Teeth and<br>Segments | Tips   | Bolt-On Cutting<br>Edges | Teeth and<br>Segments | Tips     |
| Capacity – Rated                         | $m^3$  | 2.90                     | 2.90                  | 2.70   | 2.90                     | 2.90                  | 2.70     |
|  | $yd^3$ | 3.75                     | 3.75                  | 3.50   | 3.75                     | 3.75                  | 3.50     |
| Capacity – Rated at 110% Fill Factor     | $m^3$  | 3.20                     | 3.20                  | 3.00   | 3.20                     | 3.20                  | 3.00     |
|  | $yd^3$ | 4.25                     | 4.25                  | 4.00   | 4.25                     | 4.25                  | 4.00     |
| Width                                    | mm     | 2943                     | 3020                  | 3020   | 3007                     | 3000                  | 3000     |
|  | ft/in  | 9'7"                     | 9'10"                 | 9'10"  | 9'10"                    | 9'10"                 | 9'10"    |
| 16† Dump Clearance at Maximum Lift       | mm     | 3216                     | 3090                  | 3090   | 3178                     | 3068                  | 3068     |
| and 45° Discharge                        | ft/in  | 10'6"                    | 10'1"                 | 10'1"  | 10'5"                    | 10'0"                 | 10'0"    |
| 17† Reach at Maximum Lift and            | mm     | 1381                     | 1507                  | 1507   | 1471                     | 1590                  | 1590     |
| 45° Discharge                            | ft/in  | 4'6"                     | 4'11"                 | 4'11"  | 4'9"                     | 5'2"                  | 5'2"     |
| Reach at Level Lift Arm and              | mm     | 2688                     | 2864                  | 2864   | 2783                     | 2944                  | 2944     |
| Bucket Level                             | ft/in  | 8'9"                     | 9'4"                  | 9'4"   | 9'1"                     | 9'7"                  | 9'7"     |
| A† Digging Depth                         | mm     | 104                      | 104                   | 104    | 83                       | 83                    | 53       |
|  | in     | 4.1"                     | 4.1"                  | 4.1"   | 3.3"                     | 3.3"                  | 2.1"     |
| 12† Overall Length                       | mm     | 8467                     | 8662                  | 8662   | 8547                     | 8722                  | 8722     |
| -  | ft/in  | 27'10"                   | 28'6"                 | 28'6"  | 28'1"                    | 28'8"                 | 28'8"    |
| <b>B</b> † Overall Height with Bucket at | mm     | 5535                     | 5535                  | 5535   | 5607                     | 5607                  | 5607     |
| Maximum Lift                             | ft/in  | 18'2"                    | 18'2"                 | 18'2"  | 18'5"                    | 18'5"                 | 18'5"    |
| Loader Clearance Circle Radius           | mm     | 6762                     | 6860                  | 6860   | 6806                     | 6860                  | 6860     |
| with Bucket at Carry Position            | ft/in  | 22'3"                    | 22'7"                 | 22'7"  | 22'4"                    | 22'7"                 | 22'7"    |
| Static Tipping Load, Straight            | kg     | 13 424                   | 13 252                | 13 581 | 12 701                   | 12 573                | 12 881   |
| (With tire deflection)                   | lb     | 29,594                   | 29,216                | 29,942 | 28,001                   | 27,719                | 28,399   |
| Static Tipping Load, Straight            | kg     | 14 148                   | 13 975                | 14 317 | 13 422                   | 13 293                | 13 614   |
| (No tire deflection)                     | lb     | 31,192                   | 30,810                | 31,565 | 29,590                   | 29,306                | 30,014   |
| Static Tipping Load,                     | kg     | 11 476                   | 11 304                | 11 613 | 10 786                   | 10 658                | 10 947   |
| Articulated (With tire deflection)       | lb     | 25,300                   | 24,921                | 25,604 | 23,780                   | 23,497                | 24,135   |
| Static Tipping Load, Articulated         | kg     | 12 213                   | 12 040                | 12 362 | 11 521                   | 11 391                | 11 693   |
| (No tire deflection)                     | lb     | 26,927                   | 26,544                | 27,254 | 25,399                   | 25,114                | 25,779   |
| Breakout Force(§)                        | kN     | 213                      | 212                   | 213    | 196                      | 194                   | 213      |
|  | lbf    | 48,021                   | 47,712                | 48,027 | 44,047                   | 43,816                | 47,903   |
| Operating Weight*                        | kg     | 20 446                   | 20 581                | 20 428 | 21 001                   | 21 101                | 20 959   |
|  | lb     | 45,075                   | 45,373                | 45,035 | 46,299                   | 46,519                | 46,206   |

<sup>\*</sup> Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 23.5R25 VJT L3 radial tires, full fluids, operator, standard counterweight, ride control, cold start, roading fenders, Product Link, manual diff lock/open axles (front and rear), powertrain guard, secondary steering and sound suppression.

(With tire deflection) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

(No tire deflection) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

<sup>†</sup> Illustration shown with Dimension charts.

<sup>\*\*\*</sup>Rock bucket specifications are given on Bridgestone 23.5R25 VSDL L5 radial tires.

<sup>(§)</sup> Measured 100 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with ISO 14397-2:2007.

#### **Operating Specifications – Buckets (continued)**

| Linkage                              |                |                       | Standard Linkage      |                       |                       |  |  |  |  |  |
|--------------------------------------|----------------|-----------------------|-----------------------|-----------------------|-----------------------|--|--|--|--|--|
| Bucket Type                          |                | High Dump — Pin-On    |                       |                       |                       |  |  |  |  |  |
| Edge Type                            |                | Bolt-On Cutting Edges | Bolt-On Cutting Edges | Bolt-On Cutting Edges | Bolt-On Cutting Edges |  |  |  |  |  |
| Capacity – Rated                     | m <sup>3</sup> | 5.10                  | 7.60                  | 9.20                  | 8.20                  |  |  |  |  |  |
|                                      | $yd^3$         | 6.75                  | 10.00                 | 12.00                 | 10.75                 |  |  |  |  |  |
| Capacity – Rated at 110% Fill Factor | $m^3$          | 5.60                  | 8.40                  | 10.10                 | 9.00                  |  |  |  |  |  |
|                                      | $yd^3$         | 7.25                  | 11.00                 | 13.25                 | 11.75                 |  |  |  |  |  |
| Width                                | mm             | 3029                  | 3350                  | 3350                  | 3205                  |  |  |  |  |  |
|                                      | ft/in          | 9'11"                 | 10'11"                | 10'11"                | 10'6"                 |  |  |  |  |  |
| 16† Dump Clearance at Maximum Lift   | mm             | 2664                  | 2467                  | 2326                  | 2465                  |  |  |  |  |  |
| and 45° Discharge                    | ft/in          | 8'8"                  | 8'1"                  | 7'7"                  | 8'1"                  |  |  |  |  |  |
| 17† Reach at Maximum Lift and        | mm             | 1655                  | 1842                  | 1983                  | 1844                  |  |  |  |  |  |
| 45° Discharge                        | ft/in          | 5'5"                  | 6'0"                  | 6'6"                  | 6'0"                  |  |  |  |  |  |
| Reach at Level Lift Arm and          | mm             | 3305                  | 3576                  | 3776                  | 3580                  |  |  |  |  |  |
| Bucket Level                         | ft/in          | 10'10"                | 11'8"                 | 12'4"                 | 11'8"                 |  |  |  |  |  |
| A† Digging Depth                     | mm             | 96                    | 73                    | 73                    | 103                   |  |  |  |  |  |
|                                      | in             | 3.7"                  | 2.9"                  | 2.9"                  | 4"                    |  |  |  |  |  |
| 12† Overall Length                   | mm             | 9078                  | 9354                  | 9554                  | 9358                  |  |  |  |  |  |
|                                      | ft/in          | 29'10"                | 30'9"                 | 31'5"                 | 30'9"                 |  |  |  |  |  |
| B† Overall Height with Bucket at     | mm             | 6280                  | 6262                  | 6463                  | 6691                  |  |  |  |  |  |
| Maximum Lift                         | ft/in          | 20'8"                 | 20'7"                 | 21'3"                 | 22'0"                 |  |  |  |  |  |
| Loader Clearance Circle Radius       | mm             | 6989                  | 7221                  | 7289                  | 7159                  |  |  |  |  |  |
| with Bucket at Carry Position        | ft/in          | 23'0"                 | 23'9"                 | 23'11"                | 23'6"                 |  |  |  |  |  |
| Static Tipping Load, Straight        | kg             | 11 982                | 11 431                | 11 086                | 10 604                |  |  |  |  |  |
| (With tire deflection)               | lb             | 26,416                | 25,201                | 24,441                | 23,379                |  |  |  |  |  |
| Static Tipping Load, Straight        | kg             | 12 699                | 12 178                | 11 836                | 11 327                |  |  |  |  |  |
| (No tire deflection)                 | lb             | 27,997                | 26,848                | 26,095                | 24,973                |  |  |  |  |  |
| Static Tipping Load,                 | kg             | 10 142                | 9586                  | 9262                  | 8790                  |  |  |  |  |  |
| Articulated (With tire deflection)   | lb             | 22,359                | 21,133                | 20,419                | 19,378                |  |  |  |  |  |
| Static Tipping Load, Articulated     | kg             | 10 873                | 10 347                | 10 026                | 9527                  |  |  |  |  |  |
| (No tire deflection)                 | lb             | 23,971                | 22,811                | 22,104                | 21,005                |  |  |  |  |  |
| Breakout Force(§)                    | kN             | 134                   | 119                   | 106                   | 110                   |  |  |  |  |  |
|                                      | lbf            | 30,232                | 26,770                | 23,909                | 24,768                |  |  |  |  |  |
| Operating Weight*                    | kg             | 20 949                | 21 510                | 21 683                | 22 103                |  |  |  |  |  |
|                                      | lb             | 46,184                | 47,421                | 47,802                | 48,728                |  |  |  |  |  |

<sup>\*</sup>Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 23.5R25 VJT L3 radial tires, full fluids, operator, standard counterweight, ride control, cold start, roading fenders, Product Link, manual diff lock/open axles (front and rear), powertrain guard, secondary steering and sound suppression.

<sup>†</sup> Illustration shown with Dimension charts.

<sup>\*\*\*</sup>Rock bucket specifications are given on Bridgestone 23.5R25 VSDL L5 radial tires.

<sup>(§)</sup> Measured 100 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with ISO 14397-2:2007.

<sup>(</sup>With tire deflection) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

<sup>(</sup>No tire deflection) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

Other buckets are available and offerings vary by region. Consult your local Cat dealer for further details.

#### **Operating Specifications – Buckets (continued)**

| Linkage                              |                | Standard Linkage      |                              |                       |  |  |  |  |  |
|--------------------------------------|----------------|-----------------------|------------------------------|-----------------------|--|--|--|--|--|
| Bucket Type                          |                |                       | High Dump – Hook-On – Fusion |                       |  |  |  |  |  |
| Edge Type                            |                | Bolt-On Cutting Edges | Bolt-On Cutting Edges        | Bolt-On Cutting Edges |  |  |  |  |  |
| Capacity – Rated                     | m <sup>3</sup> | 6.10                  | 7.60                         | 9.20                  |  |  |  |  |  |
|                                      | $yd^3$         | 8.00                  | 10.00                        | 12.00                 |  |  |  |  |  |
| Capacity – Rated at 110% Fill Factor | m <sup>3</sup> | 6.70                  | 8.40                         | 10.10                 |  |  |  |  |  |
|                                      | yd³            | 8.75                  | 11.00                        | 13.25                 |  |  |  |  |  |
| Width                                | mm             | 3037                  | 3350                         | 3350                  |  |  |  |  |  |
|                                      | ft/in          | 9'11"                 | 10'11"                       | 10'11"                |  |  |  |  |  |
| 6† Dump Clearance at Maximum Lift    | mm             | 2493                  | 2421                         | 2280                  |  |  |  |  |  |
| and 45° Discharge                    | ft/in          | 8'2"                  | 7'11"                        | 7'5"                  |  |  |  |  |  |
| 7† Reach at Maximum Lift and         | mm             | 1816                  | 1888                         | 2029                  |  |  |  |  |  |
| 45° Discharge                        | ft/in          | 5'11"                 | 6'2"                         | 6'7"                  |  |  |  |  |  |
| Reach at Level Lift Arm and          | mm             | 3540                  | 3641                         | 3841                  |  |  |  |  |  |
| Bucket Level                         | ft/in          | 11'7"                 | 11'11"                       | 12'7"                 |  |  |  |  |  |
| A† Digging Depth                     | mm             | 103                   | 73                           | 73                    |  |  |  |  |  |
|                                      | in             | 4"                    | 2.9"                         | 2.9"                  |  |  |  |  |  |
| 2† Overall Length                    | mm             | 9318                  | 9419                         | 9619                  |  |  |  |  |  |
|                                      | ft/in          | 30'7"                 | 30'11"                       | 31'7"                 |  |  |  |  |  |
| B† Overall Height with Bucket at     | mm             | 6237                  | 6303                         | 6504                  |  |  |  |  |  |
| Maximum Lift                         | ft/in          | 20'6"                 | 20'9"                        | 21'5"                 |  |  |  |  |  |
| Loader Clearance Circle Radius       | mm             | 7073                  | 7243                         | 7312                  |  |  |  |  |  |
| with Bucket at Carry Position        | ft/in          | 23'3"                 | 23'10"                       | 24'0"                 |  |  |  |  |  |
| Static Tipping Load, Straight        | kg             | 10 680                | 10 781                       | 10 447                |  |  |  |  |  |
| (With tire deflection)               | lb             | 23,547                | 23,770                       | 23,032                |  |  |  |  |  |
| Static Tipping Load, Straight        | kg             | 11 362                | 11 514                       | 11 181                |  |  |  |  |  |
| (No tire deflection)                 | lb             | 25,049                | 25,384                       | 24,651                |  |  |  |  |  |
| Static Tipping Load,                 | kg             | 8921                  | 8964                         | 8650                  |  |  |  |  |  |
| Articulated (With tire deflection)   | lb             | 19,667                | 19,763                       | 19,070                |  |  |  |  |  |
| Static Tipping Load, Articulated     | kg             | 9618                  | 9711                         | 9398                  |  |  |  |  |  |
| (No tire deflection)                 | 1b             | 21,205                | 21,409                       | 20,720                |  |  |  |  |  |
| Breakout Force(§)                    | kN             | 115                   | 114                          | 102                   |  |  |  |  |  |
|                                      | lbf            | 26,026                | 25,672                       | 22,980                |  |  |  |  |  |
| Operating Weight*                    | kg             | 21 858                | 22 077                       | 22 249                |  |  |  |  |  |
|                                      | lb             | 48,188                | 48,671                       | 49,050                |  |  |  |  |  |

<sup>\*</sup> Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 23.5R25 VJT L3 radial tires, full fluids, operator, standard counterweight, ride control, cold start, roading fenders, Product Link, manual diff lock/open axles (front and rear), powertrain guard, secondary steering and sound suppression.

(With tire deflection) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

(No tire deflection) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

<sup>†</sup> Illustration shown with Dimension charts.

<sup>\*\*\*</sup>Rock bucket specifications are given on Bridgestone 23.5R25 VSDL L5 radial tires.

<sup>(§)</sup> Measured 100 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with ISO 14397-2:2007.

#### **Operating Specifications – Buckets (continued)**

| Linkage                                    |                |                       | Standard              | l Linkage             |                       |
|--|----------------|-----------------------|-----------------------|-----------------------|-----------------------|
| Bucket Type                                |                | Woodchi               | p — Pin-On            | Woodchip – Ho         | ook-On – Fusion       |
| Edge Type                                  |                | Bolt-On Cutting Edges | Bolt-On Cutting Edges | Bolt-On Cutting Edges | Bolt-On Cutting Edges |
| Capacity – Rated                           | m <sup>3</sup> | 9.20                  | 9.90                  | 9.20                  | 9.90                  |
|  | $yd^3$         | 12.00                 | 13.00                 | 12.00                 | 13.00                 |
| Capacity – Rated at 110% Fill Factor       | $m^3$          | 10.10                 | 10.90                 | 10.10                 | 10.90                 |
|  | $yd^3$         | 13.25                 | 14.25                 | 13.25                 | 14.25                 |
| Width                                      | mm             | 3330                  | 3330                  | 3330                  | 3330                  |
|  | ft/in          | 10'11"                | 10'11"                | 10'11"                | 10'11"                |
| <b>16</b> † Dump Clearance at Maximum Lift | mm             | 2450                  | 2375                  | 2357                  | 2353                  |
| and 45° Discharge                          | ft/in          | 8'0"                  | 7'9"                  | 7'8"                  | 7'8"                  |
| 17† Reach at Maximum Lift and              | mm             | 1866                  | 1941                  | 1959                  | 1963                  |
| 45° Discharge                              | ft/in          | 6'1"                  | 6'4"                  | 6'5"                  | 6'5"                  |
| Reach at Level Lift Arm and                | mm             | 3605                  | 3711                  | 3737                  | 3743                  |
| Bucket Level                               | ft/in          | 11'9"                 | 12'2"                 | 12'3"                 | 12'3"                 |
| A† Digging Depth                           | mm             | 98                    | 98                    | 98                    | 98                    |
|  | in             | 3.8"                  | 3.8"                  | 3.8"                  | 3.8"                  |
| 12† Overall Length                         | mm             | 9380                  | 9486                  | 9512                  | 9518                  |
|  | ft/in          | 30'10"                | 31'2"                 | 31'3"                 | 31'3"                 |
| <b>B</b> † Overall Height with Bucket at   | mm             | 6454                  | 6546                  | 6512                  | 6563                  |
| Maximum Lift                               | ft/in          | 21'3"                 | 21'6"                 | 21'5"                 | 21'7"                 |
| Loader Clearance Circle Radius             | mm             | 7220                  | 7256                  | 7266                  | 7268                  |
| with Bucket at Carry Position              | ft/in          | 23'9"                 | 23'10"                | 23'11"                | 23'11"                |
| Static Tipping Load, Straight              | kg             | 12 184                | 12 105                | 10 906                | 10 954                |
| (With tire deflection)                     | lb             | 26,862                | 26,688                | 24,045                | 24,150                |
| Static Tipping Load, Straight              | kg             | 12 955                | 12 885                | 11 586                | 11 642                |
| (No tire deflection)                       | lb             | 28,561                | 28,407                | 25,544                | 25,666                |
| Static Tipping Load,                       | kg             | 10 328                | 10 243                | 9172                  | 9214                  |
| Articulated (With tire deflection)         | lb             | 22,771                | 22,583                | 20,222                | 20,314                |
| Static Tipping Load, Articulated           | kg             | 11 112                | 11 036                | 9868                  | 9918                  |
| (No tire deflection)                       | lb             | 24,499                | 24,331                | 21,756                | 21,866                |
| Breakout Force(§)                          | kN             | 114                   | 107                   | 106                   | 105                   |
|  | lbf            | 25,658                | 24,210                | 23,948                | 23,808                |
| Operating Weight*                          | kg             | 20 783                | 20 875                | 21 418                | 21 379                |
|  | lb             | 45,818                | 46,021                | 47,218                | 47,132                |

<sup>\*</sup> Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 23.5R25 VJT L3 radial tires, full fluids, operator, standard counterweight, ride control, cold start, roading fenders, Product Link, manual diff lock/open axles (front and rear), powertrain guard, secondary steering and sound suppression.

<sup>†</sup> Illustration shown with Dimension charts.

<sup>\*\*\*</sup>Rock bucket specifications are given on Bridgestone 23.5R25 VSDL L5 radial tires.

<sup>(§)</sup> Measured 100 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with ISO 14397-2:2007.

<sup>(</sup>With tire deflection) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

<sup>(</sup>No tire deflection) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

Other buckets are available and offerings vary by region. Consult your local Cat dealer for further details.

#### **Operating Specifications – Buckets (continued)**

| Linkage                                  |                | Standard Linkage        |                            |  |  |  |  |  |
|--|----------------|-------------------------|----------------------------|--|--|--|--|--|
| Bucket Type                              |                | Rock, Spade – Pin-On*** | Rock, Straight – Pin-On*** |  |  |  |  |  |
| Edge Type                                |                | Teeth and Segments      | Teeth and Segments         |  |  |  |  |  |
| Capacity – Rated                         | $m^3$          | 3.40                    | 3.30                       |  |  |  |  |  |
|  | $yd^3$         | 4.50                    | 4.25                       |  |  |  |  |  |
| Capacity – Rated at 110% Fill Factor     | m <sup>3</sup> | 3.70                    | 3.60                       |  |  |  |  |  |
|  | $yd^3$         | 4.75                    | 4.75                       |  |  |  |  |  |
| Width                                    | mm             | 2995                    | 2937                       |  |  |  |  |  |
|  | ft/in          | 9'9"                    | 9'7"                       |  |  |  |  |  |
| 16† Dump Clearance at Maximum Lift       | mm             | 2858                    | 3023                       |  |  |  |  |  |
| and 45° Discharge                        | ft/in          | 9'4"                    | 9'11"                      |  |  |  |  |  |
| 17† Reach at Maximum Lift and            | mm             | 1629                    | 1440                       |  |  |  |  |  |
| 45° Discharge                            | ft/in          | 5'4"                    | 4'8"                       |  |  |  |  |  |
| Reach at Level Lift Arm and              | mm             | 3168                    | 2916                       |  |  |  |  |  |
| Bucket Level                             | ft/in          | 10'4"                   | 9'6"                       |  |  |  |  |  |
| A† Digging Depth                         | mm             | 39                      | 36                         |  |  |  |  |  |
|  | in             | 1.5"                    | 1.4"                       |  |  |  |  |  |
| 12† Overall Length                       | mm             | 8949                    | 8697                       |  |  |  |  |  |
|  | ft/in          | 29'5"                   | 28'7"                      |  |  |  |  |  |
| <b>B</b> † Overall Height with Bucket at | mm             | 5856                    | 5856                       |  |  |  |  |  |
| Maximum Lift                             | ft/in          | 19'3"                   | 19'3"                      |  |  |  |  |  |
| Loader Clearance Circle Radius           | mm             | 6949                    | 6843                       |  |  |  |  |  |
| with Bucket at Carry Position            | ft/in          | 22'10"                  | 22'6"                      |  |  |  |  |  |
| Static Tipping Load, Straight            | kg             | 13 793                  | 13 997                     |  |  |  |  |  |
| (With tire deflection)                   | lb             | 30,408                  | 30,859                     |  |  |  |  |  |
| Static Tipping Load, Straight            | kg             | 14 570                  | 14 776                     |  |  |  |  |  |
| (No tire deflection)                     | lb             | 32,122                  | 32,577                     |  |  |  |  |  |
| Static Tipping Load,                     | kg             | 11 776                  | 11 981                     |  |  |  |  |  |
| Articulated (With tire deflection)       | lb             | 25,962                  | 26,414                     |  |  |  |  |  |
| Static Tipping Load, Articulated         | kg             | 12 566                  | 12 773                     |  |  |  |  |  |
| (No tire deflection)                     | lb             | 27,705                  | 28,161                     |  |  |  |  |  |
| Breakout Force(§)                        | kN             | 169                     | 194                        |  |  |  |  |  |
|  | lbf            | 38,002                  | 43,731                     |  |  |  |  |  |
| Operating Weight*                        | kg             | 21 184                  | 21 030                     |  |  |  |  |  |
|  | lb             | 46,703                  | 46,362                     |  |  |  |  |  |

<sup>\*</sup> Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 23.5R25 VJT L3 radial tires, full fluids, operator, standard counterweight, ride control, cold start, roading fenders, Product Link, manual diff lock/open axles (front and rear), powertrain guard, secondary steering and sound suppression.

(With tire deflection) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

(No tire deflection) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

<sup>†</sup> Illustration shown with Dimension charts.

<sup>\*\*\*</sup>Rock bucket specifications are given on Bridgestone 23.5R25 VSDL L5 radial tires.

<sup>(§)</sup> Measured 100 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with ISO 14397-2:2007.

#### **Operating Specifications – Buckets (continued)**

| Linkage                                  |        | Standard Linkage      |                              |  |  |  |  |  |
|--|--------|-----------------------|------------------------------|--|--|--|--|--|
| Bucket Type                              |        | Side Dump – Pin-On    | Side Dump – Hook-On – Fusion |  |  |  |  |  |
| Edge Type                                |        | Bolt-On Cutting Edges | Bolt-On Cutting Edges        |  |  |  |  |  |
| Capacity – Rated                         | $m^3$  | 2.90                  | 2.90                         |  |  |  |  |  |
|  | $yd^3$ | 3.75                  | 3.75                         |  |  |  |  |  |
| Capacity – Rated at 110% Fill Factor     | $m^3$  | 3.20                  | 3.20                         |  |  |  |  |  |
|  | $yd^3$ | 4.25                  | 4.25                         |  |  |  |  |  |
| Width                                    | mm     | 3220                  | 3220                         |  |  |  |  |  |
|  | ft/in  | 10'6"                 | 10'6"                        |  |  |  |  |  |
| 16† Dump Clearance at Maximum Lift       | mm     | 2940                  | 2941                         |  |  |  |  |  |
| and 45° Discharge                        | ft/in  | 9'7"                  | 9'7"                         |  |  |  |  |  |
| 17† Reach at Maximum Lift and            | mm     | 1362                  | 1361                         |  |  |  |  |  |
| 45° Discharge                            | ft/in  | 4'5"                  | 4'5"                         |  |  |  |  |  |
| Reach at Level Lift Arm and              | mm     | 2902                  | 2901                         |  |  |  |  |  |
| Bucket Level                             | ft/in  | 9'6"                  | 9'6"                         |  |  |  |  |  |
| A† Digging Depth                         | mm     | 109                   | 108                          |  |  |  |  |  |
|  | in     | 4.3"                  | 4.2"                         |  |  |  |  |  |
| 12† Overall Length                       | mm     | 8684                  | 8683                         |  |  |  |  |  |
|  | ft/in  | 28'6"                 | 28'6"                        |  |  |  |  |  |
| <b>B</b> † Overall Height with Bucket at | mm     | 5730                  | 5722                         |  |  |  |  |  |
| Maximum Lift                             | ft/in  | 18'10"                | 18'10"                       |  |  |  |  |  |
| Loader Clearance Circle Radius           | mm     | 6927                  | 6947                         |  |  |  |  |  |
| with Bucket at Carry Position            | ft/in  | 22'9"                 | 22'10"                       |  |  |  |  |  |
| Static Tipping Load, Straight            | kg     | 12 503                | 12 219                       |  |  |  |  |  |
| (With tire deflection)                   | lb     | 27,565                | 26,938                       |  |  |  |  |  |
| Static Tipping Load, Straight            | kg     | 13 220                | 12 934                       |  |  |  |  |  |
| (No tire deflection)                     | lb     | 29,145                | 28,516                       |  |  |  |  |  |
| Static Tipping Load,                     | kg     | 10 625                | 10 341                       |  |  |  |  |  |
| Articulated (With tire deflection)       | lb     | 23,425                | 22,799                       |  |  |  |  |  |
| Static Tipping Load, Articulated         | kg     | 11 356                | 11 071                       |  |  |  |  |  |
| (No tire deflection)                     | lb     | 25,037                | 24,408                       |  |  |  |  |  |
| Breakout Force(§)                        | kN     | 175                   | 177                          |  |  |  |  |  |
|  | lbf    | 39,330                | 39,890                       |  |  |  |  |  |
| Operating Weight*                        | kg     | 20 784                | 21 240                       |  |  |  |  |  |
|  | lb     | 45,820                | 46,826                       |  |  |  |  |  |

<sup>\*</sup> Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 23.5R25 VJT L3 radial tires, full fluids, operator, standard counterweight, ride control, cold start, roading fenders, Product Link, manual diff lock/open axles (front and rear), powertrain guard, secondary steering and sound suppression.

(With tire deflection) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

(No tire deflection) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

<sup>†</sup> Illustration shown with Dimension charts.

<sup>\*\*\*</sup>Rock bucket specifications are given on Bridgestone 23.5R25 VSDL L5 radial tires.

<sup>(§)</sup> Measured 100 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with ISO 14397-2:2007.

#### **Operating Specifications – Buckets (continued)**

| Linkage                                  |        |                             |                       |        | Hi                          | gh Lift Linka         | ige    |                             |                       |        |
|--|--------|-----------------------------|-----------------------|--------|-----------------------------|-----------------------|--------|-----------------------------|-----------------------|--------|
| Bucket Type                              |        |                             |                       |        | Genera                      | I Purpose –           | Pin-On |                             |                       |        |
| Edge Type                                |        | Bolt-On<br>Cutting<br>Edges | Teeth and<br>Segments | Tips   | Bolt-On<br>Cutting<br>Edges | Teeth and<br>Segments | Tips   | Bolt-On<br>Cutting<br>Edges | Teeth and<br>Segments | Tips   |
| Capacity – Rated                         | $m^3$  | 3.30                        | 3.30                  | 3.10   | 3.40                        | 3.40                  | 3.20   | 3.60                        | 3.60                  | 3.40   |
|  | $yd^3$ | 4.25                        | 4.25                  | 4.00   | 4.50                        | 4.50                  | 4.25   | 4.75                        | 4.75                  | 4.50   |
| Capacity – Rated at 110% Fill Factor     | $m^3$  | 3.60                        | 3.60                  | 3.40   | 3.70                        | 3.70                  | 3.50   | 4.00                        | 4.00                  | 3.70   |
|  | $yd^3$ | 4.75                        | 4.75                  | 4.50   | 4.75                        | 4.75                  | 4.50   | 5.25                        | 5.25                  | 4.75   |
| Width                                    | mm     | 2927                        | 2994                  | 2994   | 2927                        | 2994                  | 2994   | 2927                        | 2994                  | 2994   |
|  | ft/in  | 9'7"                        | 9'9"                  | 9'9"   | 9'7"                        | 9'9"                  | 9'9"   | 9'7"                        | 9'9"                  | 9'9"   |
| 16† Dump Clearance at Maximum Lift       | mm     | 3328                        | 3209                  | 3209   | 3310                        | 3190                  | 3190   | 3283                        | 3164                  | 3164   |
| and 45° Discharge                        | ft/in  | 10'11"                      | 10'6"                 | 10'6"  | 10'10"                      | 10'5"                 | 10'5"  | 10'9"                       | 10'4"                 | 10'4"  |
| 17† Reach at Maximum Lift and            | mm     | 1499                        | 1609                  | 1609   | 1514                        | 1624                  | 1624   | 1536                        | 1645                  | 1645   |
| 45° Discharge                            | ft/in  | 4'11"                       | 5'3"                  | 5'3"   | 4'11"                       | 5'3"                  | 5'3"   | 5'0"                        | 5'4"                  | 5'4"   |
| Reach at Level Lift Arm and              | mm     | 3118                        | 3279                  | 3279   | 3142                        | 3303                  | 3303   | 3177                        | 3338                  | 3338   |
| Bucket Level                             | ft/in  | 10'2"                       | 10'9"                 | 10'9"  | 10'3"                       | 10'10"                | 10'10" | 10'5"                       | 10'11"                | 10'11" |
| A† Digging Depth                         | mm     | 109                         | 109                   | 79     | 109                         | 109                   | 79     | 109                         | 109                   | 79     |
|  | in     | 4.3"                        | 4.3"                  | 3.1"   | 4.3"                        | 4.3"                  | 3.1"   | 4.3"                        | 4.3"                  | 3.1"   |
| 12† Overall Length                       | mm     | 9013                        | 9184                  | 9184   | 9037                        | 9208                  | 9208   | 9072                        | 9243                  | 9243   |
|  | ft/in  | 29'7"                       | 30'2"                 | 30'2"  | 29'8"                       | 30'3"                 | 30'3"  | 29'10"                      | 30'4"                 | 30'4"  |
| <b>B</b> † Overall Height with Bucket at | mm     | 6061                        | 6061                  | 6061   | 6087                        | 6087                  | 6087   | 6121                        | 6121                  | 6121   |
| Maximum Lift                             | ft/in  | 19'11"                      | 19'11"                | 19'11" | 20'0"                       | 20'0"                 | 20'0"  | 20'1"                       | 20'1"                 | 20'1"  |
| Loader Clearance Circle Radius           | mm     | 6958                        | 7050                  | 7050   | 6966                        | 7058                  | 7058   | 6977                        | 7069                  | 7069   |
| with Bucket at Carry Position            | ft/in  | 22'10"                      | 23'2"                 | 23'2"  | 22'11"                      | 23'2"                 | 23'2"  | 22'11"                      | 23'3"                 | 23'3"  |
| Static Tipping Load, Straight            | kg     | 13 055                      | 12 918                | 13 191 | 13 012                      | 12 874                | 13 145 | 12 942                      | 12 804                | 13 071 |
| (With tire deflection)                   | lb     | 28,782                      | 28,480                | 29,082 | 28,687                      | 28,384                | 28,979 | 28,533                      | 28,228                | 28,817 |
| Static Tipping Load, Straight            | kg     | 13 708                      | 13 570                | 13 848 | 13 666                      | 13 527                | 13 802 | 13 597                      | 13 458                | 13 730 |
| (No tire deflection)                     | lb     | 30,222                      | 29,917                | 30,530 | 30,129                      | 29,823                | 30,429 | 29,978                      | 29,671                | 30,270 |
| Static Tipping Load,                     | kg     | 11 117                      | 10 980                | 11 235 | 11 076                      | 10 938                | 11 191 | 11 009                      | 10 871                | 11 122 |
| Articulated (With tire deflection)       | lb     | 24,509                      | 24,207                | 24,770 | 24,418                      | 24,115                | 24,673 | 24,272                      | 23,967                | 24,519 |
| Static Tipping Load, Articulated         | kg     | 11 792                      | 11 653                | 11 913 | 11 751                      | 11 613                | 11 870 | 11 687                      | 11 547                | 11 802 |
| (No tire deflection)                     | lb     | 25,997                      | 25,692                | 26,265 | 25,908                      | 25,602                | 26,170 | 25,765                      | 25,458                | 26,019 |
| Breakout Force(§)                        | kN     | 187                         | 186                   | 203    | 184                         | 182                   | 199    | 179                         | 177                   | 193    |
|  | lbf    | 42,168                      | 41,914                | 45,695 | 41,366                      | 41,113                | 44,763 | 40,245                      | 39,992                | 43,466 |
| Operating Weight*                        | kg     | 20 843                      | 20 951                | 20 794 | 20 867                      | 20 975                | 20 818 | 20 903                      | 21 011                | 20 854 |
|  | lb     | 45,950                      | 46,188                | 45,842 | 46,003                      | 46,241                | 45,895 | 46,083                      | 46,321                | 45,975 |
|  |        |                             |                       |        |                             |                       |        |                             |                       |        |

<sup>\*</sup>Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 23.5R25 VJT L3 radial tires, full fluids, operator, high lift counterweight, ride control, cold start, roading fenders, Product Link, manual diff lock/open axles (front and rear), powertrain guard, secondary steering and sound suppression.

(No tire deflection) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

<sup>†</sup> Illustration shown with Dimension charts.

<sup>\*\*\*</sup>Rock bucket specifications are given on Bridgestone 23.5R25 VSDL L5 radial tires.

<sup>(§)</sup> Measured 100 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with ISO 14397-2:2007.

 $<sup>(</sup>With tire \ deflection) \ Full \ compliance \ to \ ISO \ 14397-1:2007 \ Sections \ 1 \ thru \ 6, which \ requires \ 2\% \ verification \ between \ calculations \ and \ testing.$ 

#### **Operating Specifications – Buckets (continued)**

| Linkage                              |                | High Lift Linkage     |                          |        |  |  |  |  |  |
|--------------------------------------|----------------|-----------------------|--------------------------|--------|--|--|--|--|--|
| Bucket Type                          |                |                       | General Purpose – Pin-On |        |  |  |  |  |  |
| Edge Type                            |                | Bolt-On Cutting Edges | Teeth and<br>Segments    | Tips   |  |  |  |  |  |
| Capacity – Rated                     | m <sup>3</sup> | 3.80                  | 3.80                     | 3.60   |  |  |  |  |  |
|                                      | $yd^3$         | 5.00                  | 5.00                     | 4.75   |  |  |  |  |  |
| Capacity – Rated at 110% Fill Factor | $m^3$          | 4.20                  | 4.20                     | 4.00   |  |  |  |  |  |
|                                      | $yd^3$         | 5.50                  | 5.50                     | 5.25   |  |  |  |  |  |
| Width                                | mm             | 2927                  | 2994                     | 2994   |  |  |  |  |  |
|                                      | ft/in          | 9'7"                  | 9'9"                     | 9'9"   |  |  |  |  |  |
| 6† Dump Clearance at Maximum Lift    | mm             | 3249                  | 3129                     | 3129   |  |  |  |  |  |
| and 45° Discharge                    | ft/in          | 10'7"                 | 10'3"                    | 10'3"  |  |  |  |  |  |
| 7† Reach at Maximum Lift and         | mm             | 1565                  | 1674                     | 1674   |  |  |  |  |  |
| 45° Discharge                        | ft/in          | 5'1"                  | 5'5"                     | 5'5"   |  |  |  |  |  |
| Reach at Level Lift Arm and          | mm             | 3223                  | 3384                     | 3384   |  |  |  |  |  |
| Bucket Level                         | ft/in          | 10'6"                 | 11'1"                    | 11'1"  |  |  |  |  |  |
| A† Digging Depth                     | mm             | 109                   | 109                      | 79     |  |  |  |  |  |
|                                      | in             | 4.3"                  | 4.3"                     | 3.1"   |  |  |  |  |  |
| 2† Overall Length                    | mm             | 9118                  | 9289                     | 9289   |  |  |  |  |  |
|                                      | ft/in          | 29'11"                | 30'6"                    | 30'6"  |  |  |  |  |  |
| B† Overall Height with Bucket at     | mm             | 6168                  | 6168                     | 6168   |  |  |  |  |  |
| Maximum Lift                         | ft/in          | 20'3"                 | 20'3"                    | 20'3"  |  |  |  |  |  |
| Loader Clearance Circle Radius       | mm             | 6993                  | 7085                     | 7085   |  |  |  |  |  |
| with Bucket at Carry Position        | ft/in          | 23'0"                 | 23'3"                    | 23'3"  |  |  |  |  |  |
| Static Tipping Load, Straight        | kg             | 12 843                | 12 704                   | 12 968 |  |  |  |  |  |
| (With tire deflection)               | lb             | 28,315                | 28,009                   | 28,589 |  |  |  |  |  |
| Static Tipping Load, Straight        | kg             | 13 500                | 13 360                   | 13 628 |  |  |  |  |  |
| (No tire deflection)                 | lb             | 29,764                | 29,455                   | 30,046 |  |  |  |  |  |
| Static Tipping Load,                 | kg             | 10 915                | 10 776                   | 11 023 |  |  |  |  |  |
| Articulated (With tire deflection)   | lb             | 24,065                | 23,759                   | 24,302 |  |  |  |  |  |
| Static Tipping Load, Articulated     | kg             | 11 595                | 11 455                   | 11 705 |  |  |  |  |  |
| (No tire deflection)                 | lb             | 25,562                | 25,254                   | 25,806 |  |  |  |  |  |
| Breakout Force(§)                    | kN             | 172                   | 171                      | 186    |  |  |  |  |  |
| -                                    | lbf            | 38,848                | 38,596                   | 41,857 |  |  |  |  |  |
| Operating Weight*                    | kg             | 20 958                | 21 066                   | 20 909 |  |  |  |  |  |
|                                      | lb             | 46,204                | 46,442                   | 46,096 |  |  |  |  |  |

<sup>\*</sup> Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 23.5R25 VJT L3 radial tires, full fluids, operator, high lift counterweight, ride control, cold start, roading fenders, Product Link, manual diff lock/open axles (front and rear), powertrain guard, secondary steering and sound suppression.

(With tire deflection) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

(No tire deflection) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

<sup>†</sup> Illustration shown with Dimension charts.

<sup>\*\*\*</sup>Rock bucket specifications are given on Bridgestone 23.5R25 VSDL L5 radial tires.

<sup>(§)</sup> Measured 100 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with ISO 14397-2:2007.

#### **Operating Specifications – Buckets (continued)**

| Linkage                                  |        |                          |                       | High Li       | ft Linkage               |                       |        |  |  |  |  |  |  |
|--|--------|--------------------------|-----------------------|---------------|--------------------------|-----------------------|--------|--|--|--|--|--|--|
| Bucket Type                              |        |                          | Ge                    | neral Purpose | – Hook-On – Fusio        | on                    |        |  |  |  |  |  |  |
| Edge Type                                |        | Bolt-On Cutting<br>Edges | Teeth and<br>Segments | Tips          | Bolt-On<br>Cutting Edges | Teeth and<br>Segments | Tips   |  |  |  |  |  |  |
| Capacity – Rated                         | $m^3$  | 3.60                     | 3.60                  | 3.40          | 3.80                     | 3.80                  | 3.60   |  |  |  |  |  |  |
|  | $yd^3$ | 4.75                     | 4.75                  | 4.50          | 5.00                     | 5.00                  | 4.75   |  |  |  |  |  |  |
| Capacity – Rated at 110% Fill Factor     | $m^3$  | 4.00                     | 4.00                  | 3.70          | 4.20                     | 4.20                  | 4.00   |  |  |  |  |  |  |
|  | $yd^3$ | 5.25                     | 5.25                  | 4.75          | 5.50                     | 5.50                  | 5.25   |  |  |  |  |  |  |
| Width                                    | mm     | 2927                     | 2994                  | 2994          | 2927                     | 2994                  | 2994   |  |  |  |  |  |  |
|  | ft/in  | 9'7"                     | 9'9"                  | 9'9"          | 9'7"                     | 9'9"                  | 9'9"   |  |  |  |  |  |  |
| 16† Dump Clearance at Maximum Lift       | mm     | 3243                     | 3124                  | 3124          | 3209                     | 3089                  | 3089   |  |  |  |  |  |  |
| and 45° Discharge                        | ft/in  | 10'7"                    | 10'3"                 | 10'3"         | 10'6"                    | 10'1"                 | 10'1"  |  |  |  |  |  |  |
| 17† Reach at Maximum Lift and            | mm     | 1581                     | 1690                  | 1690          | 1610                     | 1718                  | 1718   |  |  |  |  |  |  |
| 45° Discharge                            | ft/in  | 5'2"                     | 5'6"                  | 5'6"          | 5'3"                     | 5'7"                  | 5'7"   |  |  |  |  |  |  |
| Reach at Level Lift Arm and              | mm     | 3237                     | 3398                  | 3398          | 3283                     | 3444                  | 3444   |  |  |  |  |  |  |
| Bucket Level                             | ft/in  | 10'7"                    | 11'1"                 | 11'1"         | 10'9"                    | 11'3"                 | 11'3"  |  |  |  |  |  |  |
| A† Digging Depth                         | mm     | 109                      | 109                   | 79            | 109                      | 109                   | 79     |  |  |  |  |  |  |
|  | in     | 4.3"                     | 4.3"                  | 3.1"          | 4.3"                     | 4.3"                  | 3.1"   |  |  |  |  |  |  |
| 12† Overall Length                       | mm     | 9132                     | 9303                  | 9303          | 9178                     | 9349                  | 9349   |  |  |  |  |  |  |
|  | ft/in  | 30'0"                    | 30'7"                 | 30'7"         | 30'2"                    | 30'9"                 | 30'9"  |  |  |  |  |  |  |
| <b>B</b> † Overall Height with Bucket at | mm     | 6154                     | 6154                  | 6154          | 6202                     | 6202                  | 6202   |  |  |  |  |  |  |
| Maximum Lift                             | ft/in  | 20'3"                    | 20'3"                 | 20'3"         | 20'5"                    | 20'5"                 | 20'5"  |  |  |  |  |  |  |
| Loader Clearance Circle Radius           | mm     | 6988                     | 7080                  | 7080          | 7003                     | 7096                  | 7096   |  |  |  |  |  |  |
| with Bucket at Carry Position            | ft/in  | 23'0"                    | 23'3"                 | 23'3"         | 23'0"                    | 23'4"                 | 23'4"  |  |  |  |  |  |  |
| Static Tipping Load, Straight            | kg     | 12 397                   | 12 260                | 12 570        | 12 311                   | 12 173                | 12 482 |  |  |  |  |  |  |
| (With tire deflection)                   | lb     | 27,332                   | 27,028                | 27,713        | 27,143                   | 26,837                | 27,520 |  |  |  |  |  |  |
| Static Tipping Load, Straight            | kg     | 13 045                   | 12 906                | 13 226        | 12 961                   | 12 821                | 13 140 |  |  |  |  |  |  |
| (No tire deflection)                     | lb     | 28,760                   | 28,454                | 29,158        | 28,575                   | 28,267                | 28,969 |  |  |  |  |  |  |
| Static Tipping Load,                     | kg     | 10 490                   | 10 353                | 10 646        | 10 409                   | 10 271                | 10 564 |  |  |  |  |  |  |
| Articulated (With tire deflection)       | lb     | 23,128                   | 22,824                | 23,471        | 22,949                   | 22,643                | 23,289 |  |  |  |  |  |  |
| Static Tipping Load, Articulated         | kg     | 11 160                   | 11 021                | 11 324        | 11 081                   | 10 941                | 11 243 |  |  |  |  |  |  |
| (No tire deflection)                     | lb     | 24,605                   | 24,298                | 24,965        | 24,430                   | 24,122                | 24,787 |  |  |  |  |  |  |
| Breakout Force(§)                        | kN     | 171                      | 170                   | 184           | 165                      | 164                   | 177    |  |  |  |  |  |  |
|  | lbf    | 38,474                   | 38,222                | 41,425        | 37,191                   | 36,939                | 39,956 |  |  |  |  |  |  |
| Operating Weight*                        | kg     | 21 347                   | 21 455                | 21 298        | 21 392                   | 21 500                | 21 343 |  |  |  |  |  |  |
|  | lb     | 47,062                   | 47,300                | 46,954        | 47,161                   | 47,399                | 47,053 |  |  |  |  |  |  |

<sup>\*</sup> Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 23.5R25 VJT L3 radial tires, full fluids, operator, high lift counterweight, ride control, cold start, roading fenders, Product Link, manual diff lock/open axles (front and rear), powertrain guard, secondary steering and sound suppression.

(With tire deflection) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

(No tire deflection) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

<sup>†</sup> Illustration shown with Dimension charts.

<sup>\*\*\*</sup>Rock bucket specifications are given on Bridgestone 23.5R25 VSDL L5 radial tires.

<sup>(§)</sup> Measured 100 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with ISO 14397-2:2007.

#### **Operating Specifications – Buckets (continued)**

| Linkage                                    |                |                             |                       |        | Hi                          | gh Lift Linka         | age    |                             |                       |        |
|--|----------------|-----------------------------|-----------------------|--------|-----------------------------|-----------------------|--------|-----------------------------|-----------------------|--------|
| Bucket Type                                |                |                             |                       |        | Fla                         | t Floor – Pin         | ı-On   |                             |                       |        |
| Edge Type                                  |                | Bolt-On<br>Cutting<br>Edges | Teeth and<br>Segments | Tips   | Bolt-On<br>Cutting<br>Edges | Teeth and<br>Segments | Tips   | Bolt-On<br>Cutting<br>Edges | Teeth and<br>Segments | Tips   |
| Capacity – Rated                           | m <sup>3</sup> | 3.40                        | 3.40                  | 3.20   | 3.60                        | 3.60                  | 3.40   | 3.80                        | 3.80                  | 3.60   |
|  | $yd^3$         | 4.50                        | 4.50                  | 4.25   | 4.75                        | 4.75                  | 4.50   | 5.00                        | 5.00                  | 4.75   |
| Capacity – Rated at 110% Fill Factor       | m <sup>3</sup> | 3.70                        | 3.70                  | 3.50   | 4.00                        | 4.00                  | 3.70   | 4.20                        | 4.20                  | 4.00   |
|  | $yd^3$         | 4.75                        | 4.75                  | 4.50   | 5.25                        | 5.25                  | 4.75   | 5.50                        | 5.50                  | 5.25   |
| Width                                      | mm             | 2927                        | 2994                  | 2994   | 2927                        | 2994                  | 2994   | 2927                        | 2994                  | 2994   |
|  | ft/in          | 9'7"                        | 9'9"                  | 9'9"   | 9'7"                        | 9'9"                  | 9'9"   | 9'7"                        | 9'9"                  | 9'9"   |
| <b>16</b> † Dump Clearance at Maximum Lift | mm             | 3252                        | 3126                  | 3126   | 3220                        | 3094                  | 3094   | 3184                        | 3058                  | 3058   |
| and 45° Discharge                          | ft/in          | 10'8"                       | 10'3"                 | 10'3"  | 10'6"                       | 10'1"                 | 10'1"  | 10'5"                       | 10'0"                 | 10'0"  |
| 17† Reach at Maximum Lift and              | mm             | 1448                        | 1550                  | 1550   | 1479                        | 1582                  | 1582   | 1516                        | 1618                  | 1618   |
| 45° Discharge                              | ft/in          | 4'9"                        | 5'1"                  | 5'1"   | 4'10"                       | 5'2"                  | 5'2"   | 4'11"                       | 5'3"                  | 5'3"   |
| Reach at Level Lift Arm and                | mm             | 3152                        | 3313                  | 3313   | 3197                        | 3358                  | 3358   | 3248                        | 3409                  | 3409   |
| Bucket Level                               | ft/in          | 10'4"                       | 10'10"                | 10'10" | 10'5"                       | 11'0"                 | 11'0"  | 10'7"                       | 11'2"                 | 11'2"  |
| A† Digging Depth                           | mm             | 109                         | 109                   | 79     | 109                         | 109                   | 79     | 109                         | 109                   | 79     |
|  | in             | 4.3"                        | 4.3"                  | 3.1"   | 4.3"                        | 4.3"                  | 3.1"   | 4.3"                        | 4.3"                  | 3.1"   |
| 12† Overall Length                         | mm             | 9047                        | 9218                  | 9218   | 9092                        | 9263                  | 9263   | 9143                        | 9314                  | 9314   |
|  | ft/in          | 29'9"                       | 30'3"                 | 30'3"  | 29'10"                      | 30'5"                 | 30'5"  | 30'0"                       | 30'7"                 | 30'7"  |
| <b>B</b> † Overall Height with Bucket at   | mm             | 6056                        | 6056                  | 6056   | 6105                        | 6105                  | 6105   | 6152                        | 6152                  | 6152   |
| Maximum Lift                               | ft/in          | 19'11"                      | 19'11"                | 19'11" | 20'1"                       | 20'1"                 | 20'1"  | 20'3"                       | 20'3"                 | 20'3"  |
| Loader Clearance Circle Radius             | mm             | 6969                        | 7061                  | 7061   | 6984                        | 7076                  | 7076   | 7001                        | 7093                  | 7093   |
| with Bucket at Carry Position              | ft/in          | 22'11"                      | 23'2"                 | 23'2"  | 22'11"                      | 23'3"                 | 23'3"  | 23'0"                       | 23'4"                 | 23'4"  |
| Static Tipping Load, Straight              | kg             | 12 879                      | 12 742                | 13 006 | 12 792                      | 12 654                | 12 915 | 12 690                      | 12 552                | 12 809 |
| (With tire deflection)                     | lb             | 28,393                      | 28,092                | 28,675 | 28,202                      | 27,899                | 28,474 | 27,978                      | 27,673                | 28,240 |
| Static Tipping Load, Straight              | kg             | 13 518                      | 13 381                | 13 649 | 13 433                      | 13 295                | 13 559 | 13 333                      | 13 194                | 13 455 |
| (No tire deflection)                       | lb             | 29,803                      | 29,500                | 30,091 | 29,615                      | 29,310                | 29,893 | 29,395                      | 29,089                | 29,664 |
| Static Tipping Load,                       | kg             | 10 962                      | 10 825                | 11 073 | 10 879                      | 10 742                | 10 987 | 10 783                      | 10 645                | 10 887 |
| Articulated (With tire deflection)         | lb             | 24,167                      | 23,866                | 24,412 | 23,986                      | 23,683                | 24,223 | 23,773                      | 23,469                | 24,001 |
| Static Tipping Load, Articulated           | kg             | 11 623                      | 11 486                | 11 737 | 11 543                      | 11 404                | 11 653 | 11 448                      | 11 309                | 11 554 |
| (No tire deflection)                       | lb             | 25,625                      | 25,322                | 25,876 | 25,448                      | 25,143                | 25,690 | 25,240                      | 24,933                | 25,473 |
| Breakout Force(§)                          | kN             | 182                         | 181                   | 197    | 176                         | 175                   | 190    | 169                         | 168                   | 182    |
|  | lbf            | 41,030                      | 40,777                | 44,375 | 39,622                      | 39,369                | 42,748 | 38,123                      | 37,871                | 41,025 |
| Operating Weight*                          | kg             | 20 869                      | 20 977                | 20 820 | 20 913                      | 21 021                | 20 864 | 20 967                      | 21 075                | 20 918 |
|  | lb             | 46,007                      | 46,245                | 45,899 | 46,104                      | 46,342                | 45,996 | 46,223                      | 46,461                | 46,115 |
|  |                |                             |                       |        | •                           |                       |        | •                           |                       |        |

<sup>\*</sup>Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 23.5R25 VJT L3 radial tires, full fluids, operator, high lift counterweight, ride control, cold start, roading fenders, Product Link, manual diff lock/open axles (front and rear), powertrain guard, secondary steering and sound suppression.

<sup>†</sup> Illustration shown with Dimension charts.

<sup>\*\*\*</sup>Rock bucket specifications are given on Bridgestone 23.5R25 VSDL L5 radial tires.

<sup>(§)</sup> Measured 100 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with ISO 14397-2:2007.

<sup>(</sup>With tire deflection) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

<sup>(</sup>No tire deflection) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

Other buckets are available and offerings vary by region. Consult your local Cat dealer for further details.

#### **Operating Specifications – Buckets (continued)**

| Linkage                                    |        |         | High Lift Linkage  |        |                          |                          |  |  |  |  |  |
|--|--------|---------|--------------------|--------|--------------------------|--------------------------|--|--|--|--|--|
| Bucket Type                                |        | Flat Fl | oor — Pin-On — BGE | – FMT  |                          | – Pin-On –<br>laterial   |  |  |  |  |  |
| Edge Type                                  |        | Tips    | Tips               | Tips   | Bolt-On Cutting<br>Edges | Bolt-On Cutting<br>Edges |  |  |  |  |  |
| Capacity – Rated                           | $m^3$  | 3.40    | 3.60               | 3.80   | 4.60                     | 4.60                     |  |  |  |  |  |
|  | $yd^3$ | 4.50    | 4.75               | 5.00   | 6.00                     | 6.00                     |  |  |  |  |  |
| Capacity – Rated at 110% Fill Factor       | $m^3$  | 3.70    | 4.00               | 4.20   | 5.00                     | 5.00                     |  |  |  |  |  |
|  | $yd^3$ | 4.75    | 5.25               | 5.50   | 6.50                     | 6.50                     |  |  |  |  |  |
| Width                                      | mm     | 2994    | 2995               | 2995   | 3059                     | 3338                     |  |  |  |  |  |
|  | ft/in  | 9'9"    | 9'9"               | 9'9"   | 10'0"                    | 10'11"                   |  |  |  |  |  |
| <b>16</b> † Dump Clearance at Maximum Lift | mm     | 3144    | 3076               | 3045   | 3119                     | 3124                     |  |  |  |  |  |
| and 45° Discharge                          | ft/in  | 10'3"   | 10'1"              | 9'11"  | 10'2"                    | 10'3"                    |  |  |  |  |  |
| 17† Reach at Maximum Lift and              | mm     | 1586    | 1653               | 1684   | 1573                     | 1589                     |  |  |  |  |  |
| 45° Discharge                              | ft/in  | 5'2"    | 5'5"               | 5'6"   | 5'1"                     | 5'2"                     |  |  |  |  |  |
| Reach at Level Lift Arm and                | mm     | 3326    | 3421               | 3465   | 3334                     | 3342                     |  |  |  |  |  |
| Bucket Level                               | ft/in  | 10'10"  | 11'2"              | 11'4"  | 10'11"                   | 10'11"                   |  |  |  |  |  |
| A† Digging Depth                           | mm     | 82      | 82                 | 82     | 79                       | 99                       |  |  |  |  |  |
|  | in     | 3.2"    | 3.2"               | 3.2"   | 3.1"                     | 3.9"                     |  |  |  |  |  |
| 12† Overall Length                         | mm     | 9208    | 9303               | 9347   | 9232                     | 9231                     |  |  |  |  |  |
|  | ft/in  | 30'3"   | 30'7"              | 30'8"  | 30'4"                    | 30'4"                    |  |  |  |  |  |
| <b>B</b> † Overall Height with Bucket at   | mm     | 6122    | 6152               | 6196   | 6288                     | 6004                     |  |  |  |  |  |
| Maximum Lift                               | ft/in  | 20'2"   | 20'3"              | 20'4"  | 20'8"                    | 19'9"                    |  |  |  |  |  |
| Loader Clearance Circle Radius             | mm     | 7044    | 7076               | 7091   | 7089                     | 7205                     |  |  |  |  |  |
| with Bucket at Carry Position              | ft/in  | 23'2"   | 23'3"              | 23'4"  | 23'4"                    | 23'8"                    |  |  |  |  |  |
| Static Tipping Load, Straight              | kg     | 12 766  | 12 561             | 12 457 | 12 385                   | 12 500                   |  |  |  |  |  |
| (With tire deflection)                     | lb     | 28,145  | 27,692             | 27,465 | 27,304                   | 27,558                   |  |  |  |  |  |
| Static Tipping Load, Straight              | kg     | 13 409  | 13 203             | 13 101 | 13 035                   | 13 127                   |  |  |  |  |  |
| (No tire deflection)                       | lb     | 29,563  | 29,108             | 28,883 | 28,737                   | 28,941                   |  |  |  |  |  |
| Static Tipping Load,                       | kg     | 10 840  | 10 647             | 10 548 | 10 485                   | 10 618                   |  |  |  |  |  |
| Articulated (With tire deflection)         | lb     | 23,898  | 23,473             | 23,256 | 23,116                   | 23,409                   |  |  |  |  |  |
| Static Tipping Load, Articulated           | kg     | 11 505  | 11 311             | 11 214 | 11 158                   | 11 268                   |  |  |  |  |  |
| (No tire deflection)                       | lb     | 25,365  | 24,937             | 24,723 | 24,599                   | 24,843                   |  |  |  |  |  |
| Breakout Force(§)                          | kN     | 193     | 179                | 173    | 168                      | 159                      |  |  |  |  |  |
|  | lbf    | 43,526  | 40,306             | 38,937 | 37,902                   | 35,776                   |  |  |  |  |  |
| Operating Weight*                          | kg     | 21 043  | 21 140             | 21 200 | 21 196                   | 20 993                   |  |  |  |  |  |
|  | lb     | 46,390  | 46,604             | 46,736 | 46,728                   | 46,280                   |  |  |  |  |  |

<sup>\*</sup>Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 23.5R25 VJT L3 radial tires, full fluids, operator, high lift counterweight, ride control, cold start, roading fenders, Product Link, manual diff lock/open axles (front and rear), powertrain guard, secondary steering and sound suppression.

(With tire deflection) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing. (No tire deflection) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

<sup>†</sup> Illustration shown with Dimension charts.

<sup>\*\*\*</sup>Rock bucket specifications are given on Bridgestone 23.5R25 VSDL L5 radial tires.

<sup>(§)</sup> Measured 100 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with ISO 14397-2:2007.

#### **Operating Specifications – Buckets (continued)**

| Linkage                                    |        | High Lift Linkage                          |                    |        |        |  |  |  |  |
|--|--------|--|--------------------|--------|--------|--|--|--|--|
| Bucket Type                                | Fla    | Flat Floor – Hook-On<br>Fusion – BGE – FMT |                    |        |        |  |  |  |  |
| Edge Type                                  |        | Bolt-On Cutting Edges                      | Teeth and Segments | Tips   | Tips   |  |  |  |  |
| Capacity – Rated                           | $m^3$  | 3.60                                       | 3.60               | 3.40   | 3.40   |  |  |  |  |
|  | $yd^3$ | 4.75                                       | 4.75               | 4.50   | 4.50   |  |  |  |  |
| Capacity – Rated at 110% Fill Factor       | $m^3$  | 4.00                                       | 4.00               | 3.70   | 3.70   |  |  |  |  |
|  | $yd^3$ | 5.25                                       | 5.25               | 4.75   | 4.75   |  |  |  |  |
| Width                                      | mm     | 2927                                       | 2994               | 2994   | 2995   |  |  |  |  |
|  | ft/in  | 9'7"                                       | 9'9"               | 9'9"   | 9'9"   |  |  |  |  |
| <b>16</b> † Dump Clearance at Maximum Lift | mm     | 3177                                       | 3052               | 3052   | 2961   |  |  |  |  |
| and 45° Discharge                          | ft/in  | 10'5"                                      | 10'0"              | 10'0"  | 9'8"   |  |  |  |  |
| 17† Reach at Maximum Lift and              | mm     | 1522                                       | 1624               | 1624   | 1655   |  |  |  |  |
| 45° Discharge                              | ft/in  | 4'11"                                      | 5'3"               | 5'3"   | 5'5"   |  |  |  |  |
| Reach at Level Lift Arm and                | mm     | 3257                                       | 3418               | 3418   | 3504   |  |  |  |  |
| Bucket Level                               | ft/in  | 10'8"                                      | 11'2"              | 11'2"  | 11'5"  |  |  |  |  |
| A† Digging Depth                           | mm     | 109  | 109                | 79     | 82     |  |  |  |  |
|  | in     | 4.3"                                       | 4.3"               | 3.1"   | 3.2"   |  |  |  |  |
| 12† Overall Length                         | mm     | 9152                                       | 9323               | 9323   | 9435   |  |  |  |  |
|  | ft/in  | 30'1"                                      | 30'8"              | 30'8"  | 31'0"  |  |  |  |  |
| B† Overall Height with Bucket at           | mm     | 6134                                       | 6134               | 6134   | 6134   |  |  |  |  |
| Maximum Lift                               | ft/in  | 20'2"                                      | 20'2"              | 20'2"  | 20'2"  |  |  |  |  |
| Loader Clearance Circle Radius             | mm     | 6994                                       | 7087               | 7087   | 7141   |  |  |  |  |
| with Bucket at Carry Position              | ft/in  | 23'0"                                      | 23'3"              | 23'3"  | 23'6"  |  |  |  |  |
| Static Tipping Load, Straight              | kg     | 12 255                                     | 12 118             | 12 420 | 12 005 |  |  |  |  |
| (With tire deflection)                     | lb     | 27,018                                     | 26,716             | 27,383 | 26,466 |  |  |  |  |
| Static Tipping Load, Straight              | kg     | 12 889                                     | 12 751             | 13 061 | 12 635 |  |  |  |  |
| (No tire deflection)                       | lb     | 28,415                                     | 28,111             | 28,795 | 27,857 |  |  |  |  |
| Static Tipping Load,                       | kg     | 10 368                                     | 10 231             | 10 517 | 10 115 |  |  |  |  |
| Articulated (With tire deflection)         | lb     | 22,857                                     | 22,555             | 23,187 | 22,301 |  |  |  |  |
| Static Tipping Load, Articulated           | kg     | 11 024                                     | 10 886             | 11 180 | 10 769 |  |  |  |  |
| (No tire deflection)                       | lb     | 24,304                                     | 24,000             | 24,649 | 23,741 |  |  |  |  |
| Breakout Force(§)                          | kN     | 168  | 167                | 181    | 176    |  |  |  |  |
|  | lbf    | 37,903                                     | 37,651             | 40,771 | 39,558 |  |  |  |  |
| Operating Weight*                          | kg     | 21 355                                     | 21 463             | 21 306 | 21 612 |  |  |  |  |
|  | lb     | 47,080                                     | 47,318             | 46,972 | 47,646 |  |  |  |  |

<sup>\*</sup>Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 23.5R25 VJT L3 radial tires, full fluids, operator, high lift counterweight, ride control, cold start, roading fenders, Product Link, manual diff lock/open axles (front and rear), powertrain guard, secondary steering and sound suppression.

<sup>†</sup> Illustration shown with Dimension charts.

<sup>\*\*\*</sup>Rock bucket specifications are given on Bridgestone 23.5R25 VSDL L5 radial tires.

<sup>(§)</sup> Measured 100 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with ISO 14397-2:2007.

<sup>(</sup>With tire deflection) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

<sup>(</sup>No tire deflection) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

Other buckets are available and offerings vary by region. Consult your local Cat dealer for further details.

#### **Operating Specifications – Buckets (continued)**

| Linkage                              |                | High Lift Linkage     |                                  |                       |                       |  |  |  |  |
|--------------------------------------|----------------|-----------------------|----------------------------------|-----------------------|-----------------------|--|--|--|--|
| Bucket Type                          |                |                       | High Dump – Pin-On –<br>Abrasion |                       |                       |  |  |  |  |
| Edge Type                            |                | Bolt-On Cutting Edges | Bolt-On Cutting Edges            | Bolt-On Cutting Edges | Bolt-On Cutting Edges |  |  |  |  |
| Capacity – Rated                     | m <sup>3</sup> | 5.10                  | 7.60                             | 9.20                  | 8.20                  |  |  |  |  |
|                                      | $yd^3$         | 6.75                  | 10.00                            | 12.00                 | 10.75                 |  |  |  |  |
| Capacity – Rated at 110% Fill Factor | m <sup>3</sup> | 5.60                  | 8.40                             | 10.10                 | 9.00                  |  |  |  |  |
|                                      | $yd^3$         | 7.25                  | 11.00                            | 13.25                 | 11.75                 |  |  |  |  |
| Width                                | mm             | 3029                  | 3350                             | 3350                  | 3205                  |  |  |  |  |
|                                      | ft/in          | 9'11"                 | 10'11"                           | 10'11"                | 10'6"                 |  |  |  |  |
| 16† Dump Clearance at Maximum Lift   | mm             | 2953                  | 2756                             | 2614                  | 2753                  |  |  |  |  |
| and 45° Discharge                    | ft/in          | 9'8"                  | 9'0"                             | 8'6"                  | 9'0"                  |  |  |  |  |
| 17† Reach at Maximum Lift and        | mm             | 1757                  | 1943                             | 2085                  | 1946                  |  |  |  |  |
| 45° Discharge                        | ft/in          | 5'9"                  | 6'4"                             | 6'10"                 | 6'4"                  |  |  |  |  |
| Reach at Level Lift Arm and          | mm             | 3582                  | 3853                             | 4053                  | 3857                  |  |  |  |  |
| Bucket Level                         | ft/in          | 11'9"                 | 12'7"                            | 13'3"                 | 12'7"                 |  |  |  |  |
| A† Digging Depth                     | mm             | 102                   | 79                               | 79                    | 109                   |  |  |  |  |
|                                      | in             | 4"                    | 3.1"                             | 3.1"                  | 4.3"                  |  |  |  |  |
| 12† Overall Length                   | mm             | 9472                  | 9748                             | 9948                  | 9752                  |  |  |  |  |
|                                      | ft/in          | 31'1"                 | 32'0"                            | 32'8"                 | 32'0"                 |  |  |  |  |
| B† Overall Height with Bucket at     | mm             | 6568                  | 6551                             | 6752                  | 6980                  |  |  |  |  |
| Maximum Lift                         | ft/in          | 21'7"                 | 21'6"                            | 22'2"                 | 22'11"                |  |  |  |  |
| Loader Clearance Circle Radius       | mm             | 7153                  | 7389                             | 7460                  | 7329                  |  |  |  |  |
| with Bucket at Carry Position        | ft/in          | 23'6"                 | 24'3"                            | 24'6"                 | 24'1"                 |  |  |  |  |
| Static Tipping Load, Straight        | kg             | 11 468                | 10 915                           | 10 592                | 10 118                |  |  |  |  |
| (With tire deflection)               | lb             | 25,282                | 24,065                           | 23,352                | 22,307                |  |  |  |  |
| Static Tipping Load, Straight        | kg             | 12 108                | 11 582                           | 11 263                | 10 765                |  |  |  |  |
| (No tire deflection)                 | lb             | 26,695                | 25,535                           | 24,831                | 23,734                |  |  |  |  |
| Static Tipping Load,                 | kg             | 9633                  | 9076                             | 8771                  | 8306                  |  |  |  |  |
| Articulated (With tire deflection)   | lb             | 21,237                | 20,010                           | 19,338                | 18,312                |  |  |  |  |
| Static Tipping Load, Articulated     | kg             | 10 296                | 9766                             | 9465                  | 8976                  |  |  |  |  |
| (No tire deflection)                 | lb             | 22,700                | 21,531                           | 20,867                | 19,790                |  |  |  |  |
| Breakout Force(§)                    | kN             | 133                   | 118                              | 105                   | 109                   |  |  |  |  |
|                                      | lbf            | 29,989                | 26,543                           | 23,703                | 24,553                |  |  |  |  |
| Operating Weight*                    | kg             | 21 621                | 22 182                           | 22 355                | 22 775                |  |  |  |  |
|                                      | lb             | 47,664                | 48,901                           | 49,283                | 50,209                |  |  |  |  |

<sup>\*</sup>Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 23.5R25 VJT L3 radial tires, full fluids, operator, high lift counterweight, ride control, cold start, roading fenders, Product Link, manual diff lock/open axles (front and rear), powertrain guard, secondary steering and sound suppression.

(With tire deflection) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing. (No tire deflection) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

<sup>†</sup> Illustration shown with Dimension charts.

<sup>\*\*\*</sup>Rock bucket specifications are given on Bridgestone 23.5R25 VSDL L5 radial tires.

<sup>(§)</sup> Measured 100 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with ISO 14397-2:2007.

#### **Operating Specifications – Buckets (continued)**

| Linkage                              |                | High Lift Linkage            |                       |                       |  |  |  |  |
|--------------------------------------|----------------|------------------------------|-----------------------|-----------------------|--|--|--|--|
| Bucket Type                          |                | High Dump — Hook-On — Fusion |                       |                       |  |  |  |  |
| Edge Type                            |                | Bolt-On Cutting Edges        | Bolt-On Cutting Edges | Bolt-On Cutting Edges |  |  |  |  |
| Capacity – Rated                     | m <sup>3</sup> | 6.10                         | 7.60                  | 9.20                  |  |  |  |  |
|                                      | $yd^3$         | 8.00                         | 10.00                 | 12.00                 |  |  |  |  |
| Capacity – Rated at 110% Fill Factor | m <sup>3</sup> | 6.70                         | 8.40                  | 10.10                 |  |  |  |  |
|                                      | yd³            | 8.75                         | 11.00                 | 13.25                 |  |  |  |  |
| Width                                | mm             | 3037                         | 3350                  | 3350                  |  |  |  |  |
|                                      | ft/in          | 9'11"                        | 10'11"                | 10'11"                |  |  |  |  |
| 16† Dump Clearance at Maximum Lift   | mm             | 2781                         | 2710                  | 2569                  |  |  |  |  |
| and 45° Discharge                    | ft/in          | 9'1"                         | 8'10"                 | 8'5"                  |  |  |  |  |
| 17† Reach at Maximum Lift and        | mm             | 1918                         | 1989                  | 2131                  |  |  |  |  |
| 45° Discharge                        | ft/in          | 6'3"                         | 6'6"                  | 6'11"                 |  |  |  |  |
| Reach at Level Lift Arm and          | mm             | 3817                         | 3918                  | 4118                  |  |  |  |  |
| Bucket Level                         | ft/in          | 12'6"                        | 12'10"                | 13'6"                 |  |  |  |  |
| A† Digging Depth                     | mm             | 109                          | 79                    | 79                    |  |  |  |  |
|                                      | in             | 4.3"                         | 3.1"                  | 3.1"                  |  |  |  |  |
| 2† Overall Length                    | mm             | 9712                         | 9813                  | 10 013                |  |  |  |  |
|                                      | ft/in          | 31'11"                       | 32'3"                 | 32'11"                |  |  |  |  |
| B† Overall Height with Bucket at     | mm             | 6526                         | 6591                  | 6792                  |  |  |  |  |
| Maximum Lift                         | ft/in          | 21'5"                        | 21'8"                 | 22'4"                 |  |  |  |  |
| Loader Clearance Circle Radius       | mm             | 7234                         | 7402                  | 7473                  |  |  |  |  |
| with Bucket at Carry Position        | ft/in          | 23'9"                        | 24'4"                 | 24'7"                 |  |  |  |  |
| Static Tipping Load, Straight        | kg             | 10 221                       | 10 281                | 9966                  |  |  |  |  |
| (With tire deflection)               | lb             | 22,535                       | 22,666                | 21,973                |  |  |  |  |
| Static Tipping Load, Straight        | kg             | 10 834                       | 10 935                | 10 624                |  |  |  |  |
| (No tire deflection)                 | lb             | 23,886                       | 24,109                | 23,423                |  |  |  |  |
| Static Tipping Load,                 | kg             | 8460                         | 8467                  | 8170                  |  |  |  |  |
| Articulated (With tire deflection)   | 1b             | 18,651                       | 18,667                | 18,013                |  |  |  |  |
| Static Tipping Load, Articulated     | kg             | 9097                         | 9144                  | 8851                  |  |  |  |  |
| (No tire deflection)                 | 1b             | 20,056                       | 20,160                | 19,514                |  |  |  |  |
| Breakout Force(§)                    | kN             | 114                          | 113                   | 101                   |  |  |  |  |
|                                      | lbf            | 25,806                       | 25,452                | 22,780                |  |  |  |  |
| Operating Weight*                    | kg             | 22 530                       | 22 749                | 22 921                |  |  |  |  |
|                                      | lb             | 49,668                       | 50,151                | 50,530                |  |  |  |  |

<sup>\*</sup> Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 23.5R25 VJT L3 radial tires, full fluids, operator, high lift counterweight, ride control, cold start, roading fenders, Product Link, manual diff lock/open axles (front and rear), powertrain guard, secondary steering and sound suppression.

(With tire deflection) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

(No tire deflection) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

<sup>†</sup> Illustration shown with Dimension charts.

<sup>\*\*\*</sup>Rock bucket specifications are given on Bridgestone 23.5R25 VSDL L5 radial tires.

<sup>(§)</sup> Measured 100 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with ISO 14397-2:2007.

#### **Operating Specifications – Buckets (continued)**

| Linkage                                    |                | High Lift Linkage     |                       |                       |                       |  |  |  |  |
|--|----------------|-----------------------|-----------------------|-----------------------|-----------------------|--|--|--|--|
| Bucket Type                                |                | Woodchi               | p — Pin-On            | Woodchip – Ho         | ook-On – Fusion       |  |  |  |  |
| Edge Type                                  |                | Bolt-On Cutting Edges | Bolt-On Cutting Edges | Bolt-On Cutting Edges | Bolt-On Cutting Edges |  |  |  |  |
| Capacity – Rated                           | m <sup>3</sup> | 9.20                  | 9.90                  | 9.20                  | 9.90                  |  |  |  |  |
|  | $yd^3$         | 12.00                 | 13.00                 | 12.00                 | 13.00                 |  |  |  |  |
| Capacity – Rated at 110% Fill Factor       | $m^3$          | 10.10                 | 10.90                 | 10.10                 | 10.90                 |  |  |  |  |
|  | $yd^3$         | 13.25                 | 14.25                 | 13.25                 | 14.25                 |  |  |  |  |
| Width                                      | mm             | 3330                  | 3330                  | 3330                  | 3330                  |  |  |  |  |
|  | ft/in          | 10'11"                | 10'11"                | 10'11"                | 10'11"                |  |  |  |  |
| <b>16</b> † Dump Clearance at Maximum Lift | mm             | 2739                  | 2664                  | 2646                  | 2641                  |  |  |  |  |
| and 45° Discharge                          | ft/in          | 8'11"                 | 8'8"                  | 8'8"                  | 8'8"                  |  |  |  |  |
| 17† Reach at Maximum Lift and              | mm             | 1967                  | 2042                  | 2061                  | 2065                  |  |  |  |  |
| 45° Discharge                              | ft/in          | 6'5"                  | 6'8"                  | 6'9"                  | 6'9"                  |  |  |  |  |
| Reach at Level Lift Arm and                | mm             | 3882                  | 3988                  | 4014                  | 4020                  |  |  |  |  |
| Bucket Level                               | ft/in          | 12'8"                 | 13'1"                 | 13'2"                 | 13'2"                 |  |  |  |  |
| A† Digging Depth                           | mm             | 104                   | 104                   | 104                   | 104                   |  |  |  |  |
| . 65 6 1                                   | in             | 4.1"                  | 4.1"                  | 4.1"                  | 4.1"                  |  |  |  |  |
| 12† Overall Length                         | mm             | 9774                  | 9880                  | 9906                  | 9912                  |  |  |  |  |
|  | ft/in          | 32'1"                 | 32'5"                 | 32'6"                 | 32'7"                 |  |  |  |  |
| <b>B</b> † Overall Height with Bucket at   | mm             | 6743                  | 6835                  | 6800                  | 6852                  |  |  |  |  |
| Maximum Lift                               | ft/in          | 22'2"                 | 22'6"                 | 22'4"                 | 22'6"                 |  |  |  |  |
| Loader Clearance Circle Radius             | mm             | 7388                  | 7425                  | 7424                  | 7426                  |  |  |  |  |
| with Bucket at Carry Position              | ft/in          | 24'3"                 | 24'5"                 | 24'5"                 | 24'5"                 |  |  |  |  |
| Static Tipping Load, Straight              | kg             | 11 664                | 11 583                | 10 472                | 10 518                |  |  |  |  |
| (With tire deflection)                     | lb             | 25,715                | 25,536                | 23,087                | 23,188                |  |  |  |  |
| Static Tipping Load, Straight              | kg             | 12 351                | 12 277                | 11 086                | 11 138                |  |  |  |  |
| (No tire deflection)                       | lb             | 27,231                | 27,068                | 24,441                | 24,556                |  |  |  |  |
| Static Tipping Load,                       | kg             | 9815                  | 9728                  | 8734                  | 8774                  |  |  |  |  |
| Articulated (With tire deflection)         | lb             | 21,639                | 21,447                | 19,255                | 19,345                |  |  |  |  |
| Static Tipping Load, Articulated           | kg             | 10 525                | 10 445                | 9372                  | 9419                  |  |  |  |  |
| (No tire deflection)                       | lb             | 23,204                | 23,028                | 20,661                | 20,766                |  |  |  |  |
| Breakout Force(§)                          | kN             | 113                   | 106                   | 105                   | 105                   |  |  |  |  |
| W/   | lbf            | 25,448                | 24,010                | 23,751                | 23,611                |  |  |  |  |
| Operating Weight*                          | kg             | 21 455                | 21 547                | 22 089                | 22 050                |  |  |  |  |
|  | lb             | 47,299                | 47,501                | 48,698                | 48,612                |  |  |  |  |

<sup>\*</sup> Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 23.5R25 VJT L3 radial tires, full fluids, operator, high lift counterweight, ride control, cold start, roading fenders, Product Link, manual diff lock/open axles (front and rear), powertrain guard, secondary steering and sound suppression.

(With tire deflection) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

(No tire deflection) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

<sup>†</sup> Illustration shown with Dimension charts.

<sup>\*\*\*</sup>Rock bucket specifications are given on Bridgestone 23.5R25 VSDL L5 radial tires.

<sup>(§)</sup> Measured 100 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with ISO 14397-2:2007.

#### **Operating Specifications – Buckets (continued)**

| Linkage                                    |        | Aggregate Handler           |                       |        |                             |                       |        |                             |                       |        |
|--|--------|-----------------------------|-----------------------|--------|-----------------------------|-----------------------|--------|-----------------------------|-----------------------|--------|
| Bucket Type                                |        | General Purpose – Pin-On    |                       |        |                             |                       |        |                             |                       |        |
| Edge Type                                  |        | Bolt-On<br>Cutting<br>Edges | Teeth and<br>Segments | Tips   | Bolt-On<br>Cutting<br>Edges | Teeth and<br>Segments | Tips   | Bolt-On<br>Cutting<br>Edges | Teeth and<br>Segments | Tips   |
| Capacity – Rated                           | $m^3$  | 3.30                        | 3.30                  | 3.10   | 3.60                        | 3.60                  | 3.40   | 3.80                        | 3.80                  | 3.60   |
|  | $yd^3$ | 4.25                        | 4.25                  | 4.00   | 4.75                        | 4.75                  | 4.50   | 5.00                        | 5.00                  | 4.75   |
| Capacity - Rated at 110% Fill Factor       | $m^3$  | 3.60                        | 3.60                  | 3.40   | 4.00                        | 4.00                  | 3.70   | 4.20                        | 4.20                  | 4.00   |
|  | $yd^3$ | 4.75                        | 4.75                  | 4.50   | 5.25                        | 5.25                  | 4.75   | 5.50                        | 5.50                  | 5.25   |
| Width                                      | mm     | 2927                        | 2994                  | 2994   | 2927                        | 2994                  | 2994   | 2927                        | 2994                  | 2994   |
|  | ft/in  | 9'7"                        | 9'9"                  | 9'9"   | 9'7"                        | 9'9"                  | 9'9"   | 9'7"                        | 9'9"                  | 9'9"   |
| <b>16</b> † Dump Clearance at Maximum Lift | mm     | 3039                        | 2921                  | 2921   | 2995                        | 2875                  | 2875   | 2960                        | 2840                  | 2840   |
| and 45° Discharge                          | ft/in  | 9'11"                       | 9'7"                  | 9'7"   | 9'9"                        | 9'5"                  | 9'5"   | 9'8"                        | 9'3"                  | 9'3"   |
| 17† Reach at Maximum Lift and              | mm     | 1398                        | 1508                  | 1508   | 1434                        | 1543                  | 1543   | 1463                        | 1572                  | 1572   |
| 45° Discharge                              | ft/in  | 4'7"                        | 4'11"                 | 4'11"  | 4'8"                        | 5'0"                  | 5'0"   | 4'9"                        | 5'1"                  | 5'1"   |
| Reach at Level Lift Arm and                | mm     | 2841                        | 3002                  | 3002   | 2900                        | 3061                  | 3061   | 2946                        | 3107                  | 3107   |
| Bucket Level                               | ft/in  | 9'3"                        | 9'10"                 | 9'10"  | 9'6"                        | 10'0"                 | 10'0"  | 9'7"                        | 10'2"                 | 10'2"  |
| A† Digging Depth                           | mm     | 103                         | 103                   | 73     | 103                         | 103                   | 73     | 103                         | 103                   | 73     |
|  | in     | 4"                          | 4"                    | 2.9"   | 4"                          | 4"                    | 2.9"   | 4"                          | 4"                    | 2.9"   |
| 12† Overall Length                         | mm     | 8681                        | 8854                  | 8854   | 8740                        | 8913                  | 8913   | 8786                        | 8959                  | 8959   |
|  | ft/in  | 28'6"                       | 29'1"                 | 29'1"  | 28'9"                       | 29'3"                 | 29'3"  | 28'10"                      | 29'5"                 | 29'5"  |
| <b>B</b> † Overall Height with Bucket at   | mm     | 5773                        | 5773                  | 5773   | 5832                        | 5832                  | 5832   | 5879                        | 5879                  | 5879   |
| Maximum Lift                               | ft/in  | 19'0"                       | 19'0"                 | 19'0"  | 19'2"                       | 19'2"                 | 19'2"  | 19'4"                       | 19'4"                 | 19'4"  |
| Loader Clearance Circle Radius             | mm     | 6800                        | 6886                  | 6886   | 6818                        | 6905                  | 6905   | 6832                        | 6919                  | 6919   |
| with Bucket at Carry Position              | ft/in  | 22'4"                       | 22'8"                 | 22'8"  | 22'5"                       | 22'8"                 | 22'8"  | 22'5"                       | 22'9"                 | 22'9"  |
| Static Tipping Load, Straight              | kg     | 14 802                      | 14 662                | 14 965 | 14 676                      | 14 535                | 14 832 | 14 567                      | 14 425                | 14 717 |
| (With tire deflection)                     | lb     | 32,633                      | 32,324                | 32,993 | 32,357                      | 32,045                | 32,699 | 32,116                      | 31,802                | 32,446 |
| Static Tipping Load, Straight              | kg     | 15 621                      | 15 479                | 15 791 | 15 498                      | 15 355                | 15 660 | 15 391                      | 15 247                | 15 547 |
| (No tire deflection)                       | lb     | 34,439                      | 34,126                | 34,813 | 34,168                      | 33,853                | 34,524 | 33,932                      | 33,615                | 34,275 |
| Static Tipping Load,                       | kg     | 12 653                      | 12 513                | 12 795 | 12 535                      | 12 393                | 12 669 | 12 432                      | 12 289                | 12 561 |
| Articulated (With tire deflection)         | lb     | 27,897                      | 27,587                | 28,209 | 27,635                      | 27,323                | 27,931 | 27,408                      | 27,094                | 27,692 |
| Static Tipping Load, Articulated           | kg     | 13 490                      | 13 348                | 13 638 | 13 375                      | 13 232                | 13 514 | 13 273                      | 13 130                | 13 408 |
| (No tire deflection)                       | lb     | 29,741                      | 29,429                | 30,067 | 29,486                      | 29,171                | 29,795 | 29,263                      | 28,947                | 29,560 |
| Breakout Force(§)                          | kN     | 189                         | 188                   | 205    | 180                         | 179                   | 195    | 174                         | 173                   | 187    |
|  | lbf    | 42,503                      | 42,264                | 46,073 | 40,566                      | 40,327                | 43,827 | 39,159                      | 38,920                | 42,206 |
| Operating Weight*                          | kg     | 20 748                      | 20 856                | 20 699 | 20 809                      | 20 917                | 20 760 | 20 863                      | 20 971                | 20 814 |
|  | lb     | 45,742                      | 45,980                | 45,634 | 45,875                      | 46,113                | 45,767 | 45,995                      | 46,234                | 45,887 |

<sup>\*</sup>Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 23.5R25 VJT L3 radial tires, full fluids, operator, aggregate counterweight, ride control, cold start, roading fenders, Product Link, manual diff lock/open axles (front and rear), powertrain guard, secondary steering and sound suppression.

<sup>†</sup> Illustration shown with Dimension charts.

<sup>\*\*\*</sup>Rock bucket specifications are given on Bridgestone 23.5R25 VSDL L5 radial tires.

<sup>(§)</sup> Measured 100 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with ISO 14397-2:2007.

<sup>(</sup>With tire deflection) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

<sup>(</sup>No tire deflection) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

Other buckets are available and offerings vary by region. Consult your local Cat dealer for further details.

#### **Operating Specifications – Buckets (continued)**

| Linkage                                  |                | Aggregate Handler                   |                       |  |  |  |
|--|----------------|-------------------------------------|-----------------------|--|--|--|
| Bucket Type                              |                | General Purpose – Pin-On – Abrasion |                       |  |  |  |
| Edge Type                                |                | Bolt-On Cutting Edges               | Bolt-On Cutting Edges |  |  |  |
| Capacity – Rated                         | m <sup>3</sup> | 4.00                                | 4.20                  |  |  |  |
|  | $yd^3$         | 5.25                                | 5.50                  |  |  |  |
| Capacity – Rated at 110% Fill Factor     | m <sup>3</sup> | 4.40                                | 4.60                  |  |  |  |
|  | $yd^3$         | 5.75                                | 6.00                  |  |  |  |
| Width                                    | mm             | 2994                                | 2994                  |  |  |  |
|  | ft/in          | 9'9"                                | 9'9"                  |  |  |  |
| 16† Dump Clearance at Maximum Lift       | mm             | 2947                                | 2914                  |  |  |  |
| and 45° Discharge                        | ft/in          | 9'8"                                | 9'6"                  |  |  |  |
| 17† Reach at Maximum Lift and            | mm             | 1472                                | 1502                  |  |  |  |
| 45° Discharge                            | ft/in          | 4'9"                                | 4'11"                 |  |  |  |
| Reach at Level Lift Arm and              | mm             | 2962                                | 3007                  |  |  |  |
| Bucket Level                             | ft/in          | 9'8"                                | 9'10"                 |  |  |  |
| A† Digging Depth                         | mm             | 103                                 | 103                   |  |  |  |
|  | in             | 4"                                  | 4"                    |  |  |  |
| 2† Overall Length                        | mm             | 8802                                | 8847                  |  |  |  |
|  | ft/in          | 28'11"                              | 29'1"                 |  |  |  |
| <b>B</b> † Overall Height with Bucket at | mm             | 5922                                | 5969                  |  |  |  |
| Maximum Lift                             | ft/in          | 19'6"                               | 19'7"                 |  |  |  |
| Loader Clearance Circle Radius           | mm             | 6867                                | 6881                  |  |  |  |
| with Bucket at Carry Position            | ft/in          | 22'7"                               | 22'7"                 |  |  |  |
| Static Tipping Load, Straight            | kg             | 14 430                              | 14 332                |  |  |  |
| (With tire deflection)                   | lb             | 31,813                              | 31,596                |  |  |  |
| Static Tipping Load, Straight            | kg             | 15 256                              | 15 160                |  |  |  |
| (No tire deflection)                     | lb             | 33,635                              | 33,423                |  |  |  |
| Static Tipping Load,                     | kg             | 12 293                              | 12 201                |  |  |  |
| Articulated (With tire deflection)       | lb             | 27,103                              | 26,899                |  |  |  |
| Static Tipping Load, Articulated         | kg             | 13 138                              | 13 047                |  |  |  |
| (No tire deflection)                     | lb             | 28,965                              | 28,765                |  |  |  |
| Breakout Force(§)                        | kN             | 171                                 | 165                   |  |  |  |
|  | lbf            | 38,515                              | 37,251                |  |  |  |
| Operating Weight*                        | kg             | 20 991                              | 21 037                |  |  |  |
|  | lb             | 46,277                              | 46,378                |  |  |  |

<sup>\*</sup> Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 23.5R25 VJT L3 radial tires, full fluids, operator, aggregate counterweight, ride control, cold start, roading fenders, Product Link, manual diff lock/open axles (front and rear), powertrain guard, secondary steering and sound suppression.

(With tire deflection) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

(No tire deflection) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

<sup>†</sup> Illustration shown with Dimension charts.

<sup>\*\*\*</sup>Rock bucket specifications are given on Bridgestone 23.5R25 VSDL L5 radial tires.

<sup>(§)</sup> Measured 100 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with ISO 14397-2:2007.

#### **Operating Specifications – Buckets (continued)**

| Linkage                                  |        |                                    |                       | Aggrega | ate Handler              |                       |        |  |  |  |
|--|--------|------------------------------------|-----------------------|---------|--------------------------|-----------------------|--------|--|--|--|
| Bucket Type                              |        | General Purpose – Hook-On – Fusion |                       |         |                          |                       |        |  |  |  |
| Edge Type                                |        | Bolt-On Cutting<br>Edges           | Teeth and<br>Segments | Tips    | Bolt-On<br>Cutting Edges | Teeth and<br>Segments | Tips   |  |  |  |
| Capacity – Rated                         | $m^3$  | 3.60                               | 3.60                  | 3.40    | 3.80                     | 3.80                  | 3.60   |  |  |  |
|  | $yd^3$ | 4.75                               | 4.75                  | 4.50    | 5.00                     | 5.00                  | 4.75   |  |  |  |
| Capacity – Rated at 110% Fill Factor     | $m^3$  | 4.00                               | 4.00                  | 3.70    | 4.20                     | 4.20                  | 4.00   |  |  |  |
|  | $yd^3$ | 5.25                               | 5.25                  | 4.75    | 5.50                     | 5.50                  | 5.25   |  |  |  |
| Width                                    | mm     | 2927                               | 2994                  | 2994    | 2927                     | 2994                  | 2994   |  |  |  |
|  | ft/in  | 9'7"                               | 9'9"                  | 9'9"    | 9'7"                     | 9'9"                  | 9'9"   |  |  |  |
| 16† Dump Clearance at Maximum Lift       | mm     | 2955                               | 2835                  | 2835    | 2920                     | 2800                  | 2800   |  |  |  |
| and 45° Discharge                        | ft/in  | 9'8"                               | 9'3"                  | 9'3"    | 9'6"                     | 9'2"                  | 9'2"   |  |  |  |
| 17† Reach at Maximum Lift and            | mm     | 1479                               | 1588                  | 1588    | 1508                     | 1617                  | 1617   |  |  |  |
| 45° Discharge                            | ft/in  | 4'10"                              | 5'2"                  | 5'2"    | 4'11"                    | 5'3"                  | 5'3"   |  |  |  |
| Reach at Level Lift Arm and              | mm     | 2960                               | 3121                  | 3121    | 3006                     | 3167                  | 3167   |  |  |  |
| Bucket Level                             | ft/in  | 9'8"                               | 10'2"                 | 10'2"   | 9'10"                    | 10'4"                 | 10'4"  |  |  |  |
| A† Digging Depth                         | mm     | 103                                | 103                   | 73      | 103                      | 103                   | 73     |  |  |  |
|  | in     | 4"                                 | 4"                    | 2.9"    | 4"                       | 4"                    | 2.9"   |  |  |  |
| 12† Overall Length                       | mm     | 8800                               | 8973                  | 8973    | 8846                     | 9019                  | 9019   |  |  |  |
|  | ft/in  | 28'11"                             | 29'6"                 | 29'6"   | 29'1"                    | 29'8"                 | 29'8"  |  |  |  |
| <b>B</b> † Overall Height with Bucket at | mm     | 5866                               | 5866                  | 5866    | 5913                     | 5913                  | 5913   |  |  |  |
| Maximum Lift                             | ft/in  | 19'3"                              | 19'3"                 | 19'3"   | 19'5"                    | 19'5"                 | 19'5"  |  |  |  |
| Loader Clearance Circle Radius           | mm     | 6833                               | 6921                  | 6921    | 6848                     | 6936                  | 6936   |  |  |  |
| with Bucket at Carry Position            | ft/in  | 22'6"                              | 22'9"                 | 22'9"   | 22'6"                    | 22'10"                | 22'10" |  |  |  |
| Static Tipping Load, Straight            | kg     | 14 095                             | 13 954                | 14 297  | 13 999                   | 13 858                | 14 200 |  |  |  |
| (With tire deflection)                   | lb     | 31,075                             | 30,764                | 31,521  | 30,864                   | 30,552                | 31,305 |  |  |  |
| Static Tipping Load, Straight            | kg     | 14 905                             | 14 763                | 15 119  | 14 811                   | 14 668                | 15 023 |  |  |  |
| (No tire deflection)                     | lb     | 32,861                             | 32,547                | 33,332  | 32,654                   | 32,338                | 33,121 |  |  |  |
| Static Tipping Load,                     | kg     | 11 985                             | 11 844                | 12 167  | 11 895                   | 11 753                | 12 075 |  |  |  |
| Articulated (With tire deflection)       | lb     | 26,423                             | 26,112                | 26,823  | 26,224                   | 25,912                | 26,621 |  |  |  |
| Static Tipping Load, Articulated         | kg     | 12 813                             | 12 671                | 13 006  | 12 726                   | 12 582                | 12 917 |  |  |  |
| (No tire deflection)                     | lb     | 28,249                             | 27,936                | 28,674  | 28,056                   | 27,740                | 28,477 |  |  |  |
| Breakout Force(§)                        | kN     | 172                                | 171                   | 185     | 166                      | 165                   | 179    |  |  |  |
|  | lbf    | 38,782                             | 38,543                | 41,770  | 37,489                   | 37,251                | 40,290 |  |  |  |
| Operating Weight*                        | kg     | 21 253                             | 21 361                | 21 204  | 21 298                   | 21 406                | 21 249 |  |  |  |
|  | lb     | 46,854                             | 47,092                | 46,745  | 46,953                   | 47,191                | 46,845 |  |  |  |

<sup>\*</sup> Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 23.5R25 VJT L3 radial tires, full fluids, operator, aggregate counterweight, ride control, cold start, roading fenders, Product Link, manual diff lock/open axles (front and rear), powertrain guard, secondary steering and sound suppression.

(With tire deflection) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

(No tire deflection) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

<sup>†</sup> Illustration shown with Dimension charts.

<sup>\*\*\*</sup>Rock bucket specifications are given on Bridgestone 23.5R25 VSDL L5 radial tires.

<sup>(§)</sup> Measured 100 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with ISO 14397-2:2007.

#### **Operating Specifications – Buckets (continued)**

| Linkage                                    | Aggregate Handler |                             |                       |        |                             |                       |        |                             |
|--|-------------------|-----------------------------|-----------------------|--------|-----------------------------|-----------------------|--------|-----------------------------|
| Bucket Type                                |                   |                             |                       | FI     | at Floor – Pin-             | -On                   |        |                             |
| Edge Type                                  |                   | Bolt-On<br>Cutting<br>Edges | Teeth and<br>Segments | Tips   | Bolt-On<br>Cutting<br>Edges | Teeth and<br>Segments | Tips   | Bolt-On<br>Cutting<br>Edges |
| Capacity – Rated                           | m³                | 3.60                        | 3.60                  | 3.40   | 3.80                        | 3.80                  | 3.60   | 4.00                        |
|  | yd³               | 4.75                        | 4.75                  | 4.50   | 5.00                        | 5.00                  | 4.75   | 5.25                        |
| Capacity – Rated at 110% Fill Factor       | m <sup>3</sup>    | 4.00                        | 4.00                  | 3.70   | 4.20                        | 4.20                  | 4.00   | 4.40                        |
|  | $yd^3$            | 5.25                        | 5.25                  | 4.75   | 5.50                        | 5.50                  | 5.25   | 5.75                        |
| Width                                      | mm                | 2927                        | 2994                  | 2994   | 2927                        | 2994                  | 2994   | 2927                        |
|  | ft/in             | 9'7"                        | 9'9"                  | 9'9"   | 9'7"                        | 9'9"                  | 9'9"   | 9'7"                        |
| <b>16</b> † Dump Clearance at Maximum Lift | mm                | 2931                        | 2806                  | 2806   | 2895                        | 2770                  | 2770   | 2881                        |
| and 45° Discharge                          | ft/in             | 9'7"                        | 9'2"                  | 9'2"   | 9'5"                        | 9'1"                  | 9'1"   | 9'5"                        |
| 17† Reach at Maximum Lift and              | mm                | 1378                        | 1480                  | 1480   | 1414                        | 1516                  | 1516   | 1428                        |
| 45° Discharge                              | ft/in             | 4'6"                        | 4'10"                 | 4'10"  | 4'7"                        | 4'11"                 | 4'11"  | 4'8"                        |
| Reach at Level Lift Arm and                | mm                | 2920                        | 3081                  | 3081   | 2971                        | 3132                  | 3132   | 2991                        |
| Bucket Level                               | ft/in             | 9'6"                        | 10'1"                 | 10'1"  | 9'8"                        | 10'3"                 | 10'3"  | 9'9"                        |
| A† Digging Depth                           | mm                | 103                         | 103                   | 73     | 103                         | 103                   | 73     | 103                         |
|  | in                | 4"                          | 4"                    | 2.9"   | 4"                          | 4"                    | 2.9"   | 4"                          |
| 12† Overall Length                         | mm                | 8760                        | 8933                  | 8933   | 8811                        | 8984                  | 8984   | 8831                        |
|  | ft/in             | 28'9"                       | 29'4"                 | 29'4"  | 28'11"                      | 29'6"                 | 29'6"  | 29'0"                       |
| <b>B</b> † Overall Height with Bucket at   | mm                | 5816                        | 5816                  | 5816   | 5864                        | 5864                  | 5864   | 5925                        |
| Maximum Lift                               | ft/in             | 19'1"                       | 19'1"                 | 19'1"  | 19'3"                       | 19'3"                 | 19'3"  | 19'6"                       |
| Loader Clearance Circle Radius             | mm                | 6824                        | 6911                  | 6911   | 6840                        | 6927                  | 6927   | 6846                        |
| with Bucket at Carry Position              | ft/in             | 22'5"                       | 22'9"                 | 22'9"  | 22'6"                       | 22'9"                 | 22'9"  | 22'6"                       |
| Static Tipping Load, Straight              | kg                | 14 492                      | 14 352                | 14 640 | 14 380                      | 14 239                | 14 523 | 14 241                      |
| (With tire deflection)                     | lb                | 31,951                      | 31,641                | 32,276 | 31,702                      | 31,391                | 32,017 | 31,396                      |
| Static Tipping Load, Straight              | kg                | 15 294                      | 15 152                | 15 447 | 15 183                      | 15 041                | 15 331 | 15 040                      |
| (No tire deflection)                       | lb                | 33,718                      | 33,405                | 34,055 | 33,474                      | 33,159                | 33,800 | 33,159                      |
| Static Tipping Load,                       | kg                | 12 375                      | 12 235                | 12 504 | 12 269                      | 12 128                | 12 393 | 12 141                      |
| Articulated (With tire deflection)         | lb                | 27,284                      | 26,974                | 27,566 | 27,050                      | 26,738                | 27,322 | 26,767                      |
| Static Tipping Load, Articulated           | kg                | 13 196                      | 13 054                | 13 328 | 13 092                      | 12 949                | 13 219 | 12 959                      |
| (No tire deflection)                       | lb                | 29,092                      | 28,779                | 29,384 | 28,862                      | 28,548                | 29,144 | 28,571                      |
| Breakout Force(§)                          | kN                | 177                         | 176                   | 191    | 170                         | 169                   | 184    | 168                         |
|  | lbf               | 39,939                      | 39,700                | 43,104 | 38,428                      | 38,189                | 41,367 | 37,810                      |
| Operating Weight*                          | kg                | 20 818                      | 20 926                | 20 769 | 20 872                      | 20 980                | 20 823 | 20 930                      |
|  | lb                | 45,895                      | 46,133                | 45,787 | 46,014                      | 46,253                | 45,906 | 46,142                      |

<sup>\*</sup>Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 23.5R25 VJT L3 radial tires, full fluids, operator, aggregate counterweight, ride control, cold start, roading fenders, Product Link, manual diff lock/open axles (front and rear), powertrain guard, secondary steering and sound suppression.

(No tire deflection) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

<sup>†</sup> Illustration shown with Dimension charts.

<sup>\*\*\*</sup>Rock bucket specifications are given on Bridgestone 23.5R25 VSDL L5 radial tires.

<sup>(§)</sup> Measured 100 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with ISO 14397-2:2007.

<sup>(</sup>With tire deflection) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

#### **Operating Specifications – Buckets (continued)**

| Linkage                              |                | Aggregate Handler |                   |   |        |                          |                          |  |  |
|--------------------------------------|----------------|-------------------|-------------------|---|--------|--------------------------|--------------------------|--|--|
| Bucket Type                          |                |                   | Flat Floor – Pin- | Flat Floor – Pin-On –<br>Light Material |        |                          |                          |  |  |
| Edge Type                            |                | Tips              | Tips              | Tips                                    | Tips   | Bolt-On Cutting<br>Edges | Bolt-On Cutting<br>Edges |  |  |
| Capacity – Rated                     | $m^3$          | 3.40              | 3.60              | 3.80                                    | 4.00   | 4.60                     | 4.60                     |  |  |
|                                      | $yd^3$         | 4.50              | 4.75              | 5.00                                    | 5.25   | 6.00                     | 6.00                     |  |  |
| Capacity – Rated at 110% Fill Factor | m <sup>3</sup> | 3.70              | 4.00              | 4.20                                    | 4.40   | 5.00                     | 5.00                     |  |  |
|                                      | $yd^3$         | 4.75              | 5.25              | 5.50                                    | 5.75   | 6.50                     | 6.50                     |  |  |
| Width                                | mm             | 2994              | 2995              | 2995                                    | 2995   | 3059                     | 3338                     |  |  |
|                                      | ft/in          | 9'9"              | 9'9"              | 9'9"                                    | 9'9"   | 10'0"                    | 10'11"                   |  |  |
| 16† Dump Clearance at Maximum Lift   | mm             | 2855              | 2788              | 2757                                    | 2721   | 2831                     | 2836                     |  |  |
| and 45° Discharge                    | ft/in          | 9'4"              | 9'1"              | 9'0"                                    | 8'11"  | 9'3"                     | 9'3"                     |  |  |
| 17† Reach at Maximum Lift and        | mm             | 1484              | 1552              | 1583                                    | 1618   | 1471                     | 1487                     |  |  |
| 45° Discharge                        | ft/in          | 4'10"             | 5'1"              | 5'2"                                    | 5'3"   | 4'9"                     | 4'10"                    |  |  |
| Reach at Level Lift Arm and          | mm             | 3049              | 3144              | 3188                                    | 3238   | 3057                     | 3065                     |  |  |
| Bucket Level                         | ft/in          | 10'0"             | 10'3"             | 10'5"                                   | 10'7"  | 10'0"                    | 10'0"                    |  |  |
| A† Digging Depth                     | mm             | 76                | 76                | 76                                      | 76     | 73                       | 93                       |  |  |
|                                      | in             | 3"                | 3"                | 3"                                      | 3"     | 2.9"                     | 3.7"                     |  |  |
| 12† Overall Length                   | mm             | 8874              | 8969              | 9013                                    | 9063   | 8901                     | 8898                     |  |  |
|                                      | ft/in          | 29'2"             | 29'6"             | 29'7"                                   | 29'9"  | 29'3"                    | 29'3"                    |  |  |
| B† Overall Height with Bucket at     | mm             | 5834              | 5864              | 5907                                    | 5956   | 6000                     | 5715                     |  |  |
| Maximum Lift                         | ft/in          | 19'2"             | 19'3"             | 19'5"                                   | 19'7"  | 19'9"                    | 18'9"                    |  |  |
| Loader Clearance Circle Radius       | mm             | 6886              | 6916              | 6930                                    | 6947   | 6927                     | 7048                     |  |  |
| with Bucket at Carry Position        | ft/in          | 22'8"             | 22'9"             | 22'9"                                   | 22'10" | 22'9"                    | 23'2"                    |  |  |
| Static Tipping Load, Straight        | kg             | 14 492            | 14 262            | 14 149                                  | 14 025 | 14 057                   | 14 148                   |  |  |
| (With tire deflection)               | lb             | 31,962            | 31,443            | 31,193                                  | 30,920 | 30,990                   | 31,192                   |  |  |
| Static Tipping Load, Straight        | kg             | 15 297            | 15 065            | 14 953                                  | 14 831 | 14 869                   | 14 930                   |  |  |
| (No tire deflection)                 | lb             | 33,726            | 33,214            | 32,966                                  | 32,697 | 32,780                   | 32,915                   |  |  |
| Static Tipping Load,                 | kg             | 12 358            | 12 143            | 12 036                                  | 11 919 | 11 955                   | 12 069                   |  |  |
| Articulated (With tire deflection)   | lb             | 27,245            | 26,772            | 26,535                                  | 26,277 | 26,358                   | 26,608                   |  |  |
| Static Tipping Load, Articulated     | kg             | 13 182            | 12 965            | 12 859                                  | 12 743 | 12 786                   | 12 870                   |  |  |
| (No tire deflection)                 | lb             | 29,062            | 28,583            | 28,349                                  | 28,095 | 28,189                   | 28,374                   |  |  |
| Breakout Force(§)                    | kN             | 195               | 180               | 174                                     | 168    | 170                      | 160                      |  |  |
|                                      | lbf            | 43,852            | 40,609            | 39,231                                  | 37,763 | 38,213                   | 36,055                   |  |  |
| Operating Weight*                    | kg             | 20 948            | 21 045            | 21 105                                  | 21 168 | 21 101                   | 20 898                   |  |  |
|                                      | lb             | 46,182            | 46,396            | 46,528                                  | 46,667 | 46,520                   | 46,072                   |  |  |

<sup>\*</sup> Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 23.5R25 VJT L3 radial tires, full fluids, operator, aggregate counterweight, ride control, cold start, roading fenders, Product Link, manual diff lock/open axles (front and rear), powertrain guard, secondary steering and sound suppression.

(With tire deflection) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

(No tire deflection) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

<sup>†</sup> Illustration shown with Dimension charts.

<sup>\*\*\*</sup>Rock bucket specifications are given on Bridgestone 23.5R25 VSDL L5 radial tires.

<sup>(§)</sup> Measured 100 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with ISO 14397-2:2007.

## **Operating Specifications – Buckets (continued)**

| Linkage                                    |        |                             |                       |              | Aggrega                     | te Handler            |        |                            |                          |
|--|--------|-----------------------------|-----------------------|--------------|-----------------------------|-----------------------|--------|----------------------------|--------------------------|
| Bucket Type                                |        |                             | Fla                   | t Floor – Ho | ok-On – Fus                 | sion                  |        | Flat Floor –<br>Fusion – E | · Hook-On ·<br>BGE – FMT |
| Edge Type                                  |        | Bolt-On<br>Cutting<br>Edges | Teeth and<br>Segments | Tips         | Bolt-On<br>Cutting<br>Edges | Teeth and<br>Segments | Tips   | Tips                       | Tips                     |
| Capacity – Rated                           | $m^3$  | 3.60                        | 3.60                  | 3.40         | 3.80                        | 3.80                  | 3.70   | 3.40                       | 3.80                     |
|  | $yd^3$ | 4.75                        | 4.75                  | 4.50         | 5.00                        | 5.00                  | 4.75   | 4.50                       | 5.00                     |
| Capacity – Rated at 110% Fill Factor       | $m^3$  | 4.00                        | 4.00                  | 3.70         | 4.20                        | 4.20                  | 4.00   | 3.70                       | 4.20                     |
|  | $yd^3$ | 5.25                        | 5.25                  | 4.75         | 5.50                        | 5.50                  | 5.25   | 4.75                       | 5.50                     |
| Width                                      | mm     | 2927                        | 2994                  | 2994         | 2927                        | 2994                  | 2994   | 2995                       | 2995                     |
|  | ft/in  | 9'7"                        | 9'9"                  | 9'9"         | 9'7"                        | 9'9"                  | 9'9"   | 9'9"                       | 9'9"                     |
| <b>16</b> † Dump Clearance at Maximum Lift | mm     | 2889                        | 2763                  | 2763         | 2836                        | 2710                  | 2710   | 2673                       | 2598                     |
| and 45° Discharge                          | ft/in  | 9'5"                        | 9'0"                  | 9'0"         | 9'3"                        | 8'10"                 | 8'10"  | 8'9"                       | 8'6"                     |
| 17† Reach at Maximum Lift and              | mm     | 1420                        | 1522                  | 1522         | 1473                        | 1575                  | 1575   | 1554                       | 1628                     |
| 45° Discharge                              | ft/in  | 4'7"                        | 4'11"                 | 4'11"        | 4'10"                       | 5'2"                  | 5'2"   | 5'1"                       | 5'4"                     |
| Reach at Level Lift Arm and                | mm     | 2980                        | 3141                  | 3141         | 3055                        | 3216                  | 3216   | 3227                       | 3332                     |
| Bucket Level                               | ft/in  | 9'9"                        | 10'3"                 | 10'3"        | 10'0"                       | 10'6"                 | 10'6"  | 10'7"                      | 10'11"                   |
| A† Digging Depth                           | mm     | 103                         | 103                   | 73           | 103                         | 103                   | 73     | 76                         | 76                       |
|  | in     | 4"                          | 4"                    | 2.9"         | 4"                          | 4"                    | 2.9"   | 3"                         | 3"                       |
| 12† Overall Length                         | mm     | 8820                        | 8993                  | 8993         | 8895                        | 9068                  | 9068   | 9108                       | 9213                     |
|  | ft/in  | 29'0"                       | 29'7"                 | 29'7"        | 29'3"                       | 29'9"                 | 29'9"  | 29'11"                     | 30'3"                    |
| <b>B</b> † Overall Height with Bucket at   | mm     | 5845                        | 5845                  | 5845         | 5910                        | 5910                  | 5910   | 5846                       | 5962                     |
| Maximum Lift                               | ft/in  | 19'3"                       | 19'3"                 | 19'3"        | 19'5"                       | 19'5"                 | 19'5"  | 19'3"                      | 19'7"                    |
| Loader Clearance Circle Radius             | mm     | 6840                        | 6928                  | 6928         | 6864                        | 6952                  | 6952   | 6973                       | 7007                     |
| with Bucket at Carry Position              | ft/in  | 22'6"                       | 22'9"                 | 22'9"        | 22'7"                       | 22'10"                | 22'10" | 22'11"                     | 23'0"                    |
| Static Tipping Load, Straight              | kg     | 13 920                      | 13 780                | 14 113       | 13 575                      | 13 436                | 13 767 | 13 673                     | 13 440                   |
| (With tire deflection)                     | lb     | 30,690                      | 30,381                | 31,115       | 29,929                      | 29,622                | 30,352 | 30,145                     | 29,632                   |
| Static Tipping Load, Straight              | kg     | 14 711                      | 14 570                | 14 914       | 14 348                      | 14 207                | 14 550 | 14 460                     | 14 230                   |
| (No tire deflection)                       | lb     | 32,432                      | 32,121                | 32,880       | 31,632                      | 31,322                | 32,078 | 31,880                     | 31,372                   |
| Static Tipping Load,                       | kg     | 11 834                      | 11 694                | 12 008       | 11 523                      | 11 384                | 11 696 | 11 584                     | 11 364                   |
| Articulated (With tire deflection)         | lb     | 26,090                      | 25,782                | 26,473       | 25,405                      | 25,097                | 25,785 | 25,540                     | 25,054                   |
| Static Tipping Load, Articulated           | kg     | 12 644                      | 12 503                | 12 827       | 12 316                      | 12 175                | 12 498 | 12 391                     | 12 173                   |
| (No tire deflection)                       | lb     | 27,875                      | 27,564                | 28,280       | 27,152                      | 26,841                | 27,555 | 27,317                     | 26,838                   |
| Breakout Force(§)                          | kN     | 170                         | 168                   | 182          | 160                         | 159                   | 172    | 177                        | 165                      |
|  | lbf    | 38,207                      | 37,968                | 41,111       | 36,152                      | 35,913                | 38,769 | 39,922                     | 37,126                   |
| Operating Weight*                          | kg     | 21 261                      | 21 369                | 21 212       | 21 367                      | 21 475                | 21 318 | 21 518                     | 21 641                   |
| - Laramaa.b                                | lb     | 46,871                      | 47,110                | 46,763       | 47,105                      | 47,343                | 46,997 | 47,438                     | 47,709                   |

<sup>\*</sup> Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 23.5R25 VJT L3 radial tires, full fluids, operator, aggregate counterweight, ride control, cold start, roading fenders, Product Link, manual diff lock/open axles (front and rear), powertrain guard, secondary steering and sound suppression.

(With tire deflection) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

(No tire deflection) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

<sup>†</sup> Illustration shown with Dimension charts.

<sup>\*\*\*</sup>Rock bucket specifications are given on Bridgestone 23.5R25 VSDL L5 radial tires.

<sup>(§)</sup> Measured 100 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with ISO 14397-2:2007.

## **Operating Specifications – Buckets (continued)**

| Linkage                                    |                |                          |                                  | Aggregate Handle         | r                        |                          |
|--|----------------|--------------------------|----------------------------------|--------------------------|--------------------------|--------------------------|
| Bucket Type                                |                |                          | High Dump – Pin<br>On – Abrasion |                          |                          |                          |
| Edge Type                                  |                | Bolt-On Cutting<br>Edges | Bolt-On Cutting<br>Edges         | Bolt-On Cutting<br>Edges | Bolt-On Cutting<br>Edges | Bolt-On Cutting<br>Edges |
| Capacity – Rated                           | $m^3$          | 5.10                     | 6.10                             | 7.60                     | 9.20                     | 8.20                     |
|  | $yd^3$         | 6.75                     | 8.00                             | 10.00                    | 12.00                    | 10.75                    |
| Capacity – Rated at 110% Fill Factor       | m <sup>3</sup> | 5.60                     | 6.70                             | 8.40                     | 10.10                    | 9.00                     |
|  | $yd^3$         | 7.25                     | 8.75                             | 11.00                    | 13.25                    | 11.75                    |
| Width                                      | mm             | 3029                     | 2910                             | 3350                     | 3350                     | 3205                     |
|  | ft/in          | 9'11"                    | 9'6"                             | 10'11"                   | 10'11"                   | 10'6"                    |
| <b>16</b> † Dump Clearance at Maximum Lift | mm             | 2664                     | 2539                             | 2467                     | 2326                     | 2465                     |
| and 45° Discharge                          | ft/in          | 8'8"                     | 8'3"                             | 8'1"                     | 7'7"                     | 8'1"                     |
| 17† Reach at Maximum Lift and              | mm             | 1655                     | 1676                             | 1842                     | 1983                     | 1844                     |
| 45° Discharge                              | ft/in          | 5'5"                     | 5'6"                             | 6'0"                     | 6'6"                     | 6'0"                     |
| Reach at Level Lift Arm and                | mm             | 3305                     | 3408                             | 3576                     | 3776                     | 3580                     |
| Bucket Level                               | ft/in          | 10'10"                   | 11'2"                            | 11'8"                    | 12'4"                    | 11'8"                    |
| A† Digging Depth                           | mm             | 96                       | 170                              | 73                       | 73                       | 103                      |
|  | in             | 3.7"                     | 6.7"                             | 2.9"                     | 2.9"                     | 4"                       |
| 12† Overall Length                         | mm             | 9140                     | 9294                             | 9416                     | 9616                     | 9420                     |
|  | ft/in          | 30'0"                    | 30'6"                            | 30'11"                   | 31'7"                    | 30'11"                   |
| <b>B</b> † Overall Height with Bucket at   | mm             | 6280                     | 6288                             | 6262                     | 6463                     | 6691                     |
| Maximum Lift                               | ft/in          | 20'8"                    | 20'8"                            | 20'7"                    | 21'3"                    | 22'0"                    |
| Loader Clearance Circle Radius             | mm             | 6989                     | 6999                             | 7221                     | 7289                     | 7159                     |
| with Bucket at Carry Position              | ft/in          | 23'0"                    | 23'0"                            | 23'9"                    | 23'11"                   | 23'6"                    |
| Static Tipping Load, Straight              | kg             | 13 023                   | 12 047                           | 12 471                   | 12 113                   | 11 628                   |
| (With tire deflection)                     | lb             | 28,712                   | 26,561                           | 27,494                   | 26,705                   | 25,635                   |
| Static Tipping Load, Straight              | kg             | 13 818                   | 12 828                           | 13 299                   | 12 945                   | 12 430                   |
| (No tire deflection)                       | lb             | 30,464                   | 28,282                           | 29,321                   | 28,540                   | 27,405                   |
| Static Tipping Load,                       | kg             | 11 001                   | 10 066                           | 10 444                   | 10 108                   | 9634                     |
| Articulated (With tire deflection)         | lb             | 24,254                   | 22,192                           | 23,025                   | 22,285                   | 21,239                   |
| Static Tipping Load, Articulated           | kg             | 11 816                   | 10 866                           | 11 292                   | 10 960                   | 10 457                   |
| (No tire deflection)                       | lb             | 26,050                   | 23,957                           | 24,895                   | 24,164                   | 23,054                   |
| Breakout Force(§)                          | kN             | 134                      | 125                              | 119                      | 106                      | 110                      |
| W/   | lbf            | 30,232                   | 28,177                           | 26,770                   | 23,909                   | 24,768                   |
| Operating Weight*                          | kg             | 21 526                   | 22 288                           | 22 087                   | 22 260                   | 22 680                   |
| 1 5 5 6 6                                  | lb             | 47,456                   | 49,136                           | 48,693                   | 49,074                   | 50,000                   |

<sup>\*</sup>Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 23.5R25 VJT L3 radial tires, full fluids, operator, aggregate counterweight, ride control, cold start, roading fenders, Product Link, manual diff lock/open axles (front and rear), powertrain guard, secondary steering and sound suppression.

<sup>†</sup> Illustration shown with Dimension charts.

<sup>\*\*\*</sup>Rock bucket specifications are given on Bridgestone 23.5R25 VSDL L5 radial tires.

<sup>(§)</sup> Measured 100 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with ISO 14397-2:2007.

<sup>(</sup>With tire deflection) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing. (No tire deflection) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

## **Operating Specifications – Buckets (continued)**

| Linkage                                  |                | Aggregate Handler            |                       |                       |  |  |  |
|--|----------------|------------------------------|-----------------------|-----------------------|--|--|--|
| Bucket Type                              |                | High Dump — Hook-On — Fusion |                       |                       |  |  |  |
| Edge Type                                |                | Bolt-On Cutting Edges        | Bolt-On Cutting Edges | Bolt-On Cutting Edges |  |  |  |
| Capacity – Rated                         | m <sup>3</sup> | 6.10                         | 7.60                  | 9.20                  |  |  |  |
|  | $yd^3$         | 8.00                         | 10.00                 | 12.00                 |  |  |  |
| Capacity – Rated at 110% Fill Factor     | m <sup>3</sup> | 6.70                         | 8.40                  | 10.10                 |  |  |  |
|  | $yd^3$         | 8.75                         | 11.00                 | 13.25                 |  |  |  |
| Width                                    | mm             | 3037                         | 3350                  | 3350                  |  |  |  |
|  | ft/in          | 9'11"                        | 10'11"                | 10'11"                |  |  |  |
| 6† Dump Clearance at Maximum Lift        | mm             | 2493                         | 2421                  | 2280                  |  |  |  |
| and 45° Discharge                        | ft/in          | 8'2"                         | 7'11"                 | 7'5"                  |  |  |  |
| 7† Reach at Maximum Lift and             | mm             | 1816                         | 1888                  | 2029                  |  |  |  |
| 45° Discharge                            | ft/in          | 5'11"                        | 6'2"                  | 6'7"                  |  |  |  |
| Reach at Level Lift Arm and              | mm             | 3540                         | 3641                  | 3841                  |  |  |  |
| Bucket Level                             | ft/in          | 11'7"                        | 11'11"                | 12'7"                 |  |  |  |
| A† Digging Depth                         | mm             | 103                          | 73                    | 73                    |  |  |  |
|  | in             | 4"                           | 2.9"                  | 2.9"                  |  |  |  |
| 2† Overall Length                        | mm             | 9380                         | 9481                  | 9681                  |  |  |  |
| -  | ft/in          | 30'10"                       | 31'2"                 | 31'10"                |  |  |  |
| <b>B</b> † Overall Height with Bucket at | mm             | 6237                         | 6303                  | 6504                  |  |  |  |
| Maximum Lift                             | ft/in          | 20'6"                        | 20'9"                 | 21'5"                 |  |  |  |
| Loader Clearance Circle Radius           | mm             | 7073                         | 7243                  | 7312                  |  |  |  |
| with Bucket at Carry Position            | ft/in          | 23'3"                        | 23'10"                | 24'0"                 |  |  |  |
| Static Tipping Load, Straight            | kg             | 11 675                       | 11 806                | 11 458                |  |  |  |
| (With tire deflection)                   | lb             | 25,740                       | 26,028                | 25,262                |  |  |  |
| Static Tipping Load, Straight            | kg             | 12 430                       | 12 618                | 12 273                |  |  |  |
| (No tire deflection)                     | lb             | 27,404                       | 27,819                | 27,058                |  |  |  |
| Static Tipping Load,                     | kg             | 9742                         | 9809                  | 9483                  |  |  |  |
| Articulated (With tire deflection)       | lb             | 21,477                       | 21,626                | 20,908                |  |  |  |
| Static Tipping Load, Articulated         | kg             | 10 518                       | 10 641                | 10 319                |  |  |  |
| (No tire deflection)                     | lb             | 23,189                       | 23,461                | 22,749                |  |  |  |
| Breakout Force(§)                        | kN             | 115                          | 114                   | 102                   |  |  |  |
| W/                                       | lbf            | 26,026                       | 25,672                | 22,980                |  |  |  |
| Operating Weight*                        | kg             | 22 435                       | 22 654                | 22 826                |  |  |  |
|  | lb             | 49,460                       | 49,943                | 50,322                |  |  |  |

<sup>\*</sup> Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 23.5R25 VJT L3 radial tires, full fluids, operator, aggregate counterweight, ride control, cold start, roading fenders, Product Link, manual diff lock/open axles (front and rear), powertrain guard, secondary steering and sound suppression.

(With tire deflection) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

(No tire deflection) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

<sup>†</sup> Illustration shown with Dimension charts.

<sup>\*\*\*</sup>Rock bucket specifications are given on Bridgestone 23.5R25 VSDL L5 radial tires.

<sup>(§)</sup> Measured 100 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with ISO 14397-2:2007.

## **Operating Specifications – Buckets (continued)**

| Linkage                                    |        |                       | Aggregat              | e Handler                   |                       |  |
|--|--------|-----------------------|-----------------------|-----------------------------|-----------------------|--|
| Bucket Type                                |        | Woodchi               | p — Pin-On            | Woodchip – Hook-On – Fusion |                       |  |
| Edge Type                                  |        | Bolt-On Cutting Edges | Bolt-On Cutting Edges | Bolt-On Cutting Edges       | Bolt-On Cutting Edges |  |
| Capacity – Rated                           | $m^3$  | 9.20                  | 9.90                  | 9.20                        | 9.90                  |  |
|  | $yd^3$ | 12.00                 | 13.00                 | 12.00                       | 13.00                 |  |
| Capacity – Rated at 110% Fill Factor       | $m^3$  | 10.10                 | 10.90                 | 10.10                       | 10.90                 |  |
|  | $yd^3$ | 13.25                 | 14.25                 | 13.25                       | 14.25                 |  |
| Width                                      | mm     | 3330                  | 3330                  | 3330                        | 3330                  |  |
|  | ft/in  | 10'11"                | 10'11"                | 10'11"                      | 10'11"                |  |
| <b>16</b> † Dump Clearance at Maximum Lift | mm     | 2450                  | 2375                  | 2357                        | 2353                  |  |
| and 45° Discharge                          | ft/in  | 8'0"                  | 7'9"                  | 7'8"                        | 7'8"                  |  |
| 17† Reach at Maximum Lift and              | mm     | 1866                  | 1941                  | 1959                        | 1963                  |  |
| 45° Discharge                              | ft/in  | 6'1"                  | 6'4"                  | 6'5"                        | 6'5"                  |  |
| Reach at Level Lift Arm and                | mm     | 3605                  | 3711                  | 3737                        | 3743                  |  |
| Bucket Level                               | ft/in  | 11'9"                 | 12'2"                 | 12'3"                       | 12'3"                 |  |
| A† Digging Depth                           | mm     | 98                    | 98                    | 98                          | 98                    |  |
|  | in     | 3.8"                  | 3.8"                  | 3.8"                        | 3.8"                  |  |
| 12† Overall Length                         | mm     | 9442                  | 9548                  | 9574                        | 9580                  |  |
|  | ft/in  | 31'0"                 | 31'4"                 | 31'5"                       | 31'6"                 |  |
| <b>B</b> † Overall Height with Bucket at   | mm     | 6454                  | 6546                  | 6512                        | 6563                  |  |
| Maximum Lift                               | ft/in  | 21'3"                 | 21'6"                 | 21'5"                       | 21'7"                 |  |
| Loader Clearance Circle Radius             | mm     | 7220                  | 7256                  | 7266                        | 7268                  |  |
| with Bucket at Carry Position              | ft/in  | 23'9"                 | 23'10"                | 23'11"                      | 23'11"                |  |
| Static Tipping Load, Straight              | kg     | 13 229                | 13 153                | 11 886                      | 11 936                |  |
| (With tire deflection)                     | lb     | 29,166                | 28,998                | 26,204                      | 26,314                |  |
| Static Tipping Load, Straight              | kg     | 14 084                | 14 017                | 12 639                      | 12 698                |  |
| (No tire deflection)                       | lb     | 31,050                | 30,904                | 27,864                      | 27,994                |  |
| Static Tipping Load,                       | kg     | 11 190                | 11 107                | 9980                        | 10 024                |  |
| Articulated (With tire deflection)         | lb     | 24,671                | 24,487                | 22,003                      | 22,099                |  |
| Static Tipping Load, Articulated           | kg     | 12 064                | 11 990                | 10 755                      | 10 808                |  |
| (No tire deflection)                       | lb     | 26,596                | 26,435                | 23,712                      | 23,828                |  |
| Breakout Force(§)                          | kN     | 114                   | 107                   | 106                         | 105                   |  |
|  | lbf    | 25,658                | 24,210                | 23,948                      | 23,808                |  |
| Operating Weight*                          | kg     | 21 360                | 21 452                | 21 995                      | 21 956                |  |
| - <del>-</del> -                           | lb     | 47,090                | 47,293                | 48,490                      | 48,404                |  |

<sup>\*</sup>Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 23.5R25 VJT L3 radial tires, full fluids, operator, aggregate counterweight, ride control, cold start, roading fenders, Product Link, manual diff lock/open axles (front and rear), powertrain guard, secondary steering and sound suppression.

(With tire deflection) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

(No tire deflection) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

<sup>†</sup> Illustration shown with Dimension charts.

<sup>\*\*\*</sup>Rock bucket specifications are given on Bridgestone 23.5R25 VSDL L5 radial tires.

<sup>(§)</sup> Measured 100 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with ISO 14397-2:2007.

## **Operating Specifications – Buckets (continued)**

| Linkage                                  |        | Aggregate Handler     |                              |  |  |
|--|--------|-----------------------|------------------------------|--|--|
| Bucket Type                              |        | Side Dump – Pin-On    | Side Dump – Hook-On – Fusion |  |  |
| Edge Type                                |        | Bolt-On Cutting Edges | Bolt-On Cutting Edges        |  |  |
| Capacity – Rated                         | $m^3$  | 2.90                  | 2.90                         |  |  |
|  | $yd^3$ | 3.75                  | 3.75                         |  |  |
| Capacity – Rated at 110% Fill Factor     | $m^3$  | 3.20                  | 3.20                         |  |  |
|  | $yd^3$ | 4.25                  | 4.25                         |  |  |
| Width                                    | mm     | 3220                  | 3220                         |  |  |
|  | ft/in  | 10'6"                 | 10'6"                        |  |  |
| 16† Dump Clearance at Maximum Lift       | mm     | 2940                  | 2941                         |  |  |
| and 45° Discharge                        | ft/in  | 9'7"                  | 9'7"                         |  |  |
| 17† Reach at Maximum Lift and            | mm     | 1362                  | 1361                         |  |  |
| 45° Discharge                            | ft/in  | 4'5"                  | 4'5"                         |  |  |
| Reach at Level Lift Arm and              | mm     | 2902                  | 2901                         |  |  |
| Bucket Level                             | ft/in  | 9'6"                  | 9'6"                         |  |  |
| A† Digging Depth                         | mm     | 109                   | 108                          |  |  |
| . 65 6 1                                 | in     | 4.3"                  | 4.2"                         |  |  |
| 12† Overall Length                       | mm     | 8746                  | 8745                         |  |  |
|  | ft/in  | 28'9"                 | 28'9"                        |  |  |
| <b>B</b> † Overall Height with Bucket at | mm     | 5730                  | 5722                         |  |  |
| Maximum Lift                             | ft/in  | 18'10"                | 18'10"                       |  |  |
| Loader Clearance Circle Radius           | mm     | 6927                  | 6947                         |  |  |
| with Bucket at Carry Position            | ft/in  | 22'9"                 | 22'10"                       |  |  |
| Static Tipping Load, Straight            | kg     | 13 568                | 13 284                       |  |  |
| (With tire deflection)                   | lb     | 29,914                | 29,287                       |  |  |
| Static Tipping Load, Straight            | kg     | 14 361                | 14 076                       |  |  |
| (No tire deflection)                     | lb     | 31,661                | 31,032                       |  |  |
| Static Tipping Load,                     | kg     | 11 505                | 11 221                       |  |  |
| Articulated (With tire deflection)       | lb     | 25,365                | 24,740                       |  |  |
| Static Tipping Load, Articulated         | kg     | 12 318                | 12 033                       |  |  |
| (No tire deflection)                     | lb     | 27,158                | 26,529                       |  |  |
| Breakout Force(§)                        | kN     | 175                   | 177                          |  |  |
|  | lbf    | 39,330                | 39,890                       |  |  |
| Operating Weight*                        | kg     | 21 361                | 21 817                       |  |  |
|  | lb     | 47,092                | 48,098                       |  |  |

<sup>\*</sup> Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 23.5R25 VJT L3 radial tires, full fluids, operator, aggregate counterweight, ride control, cold start, roading fenders, Product Link, manual diff lock/open axles (front and rear), powertrain guard, secondary steering and sound suppression.

(With tire deflection) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

(No tire deflection) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

<sup>†</sup> Illustration shown with Dimension charts.

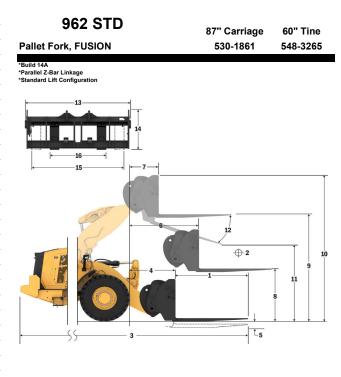
<sup>\*\*\*</sup>Rock bucket specifications are given on Bridgestone 23.5R25 VSDL L5 radial tires.

<sup>(§)</sup> Measured 100 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with ISO 14397-2:2007.

## **Fork Specifications**

#### **Fork Specifications**

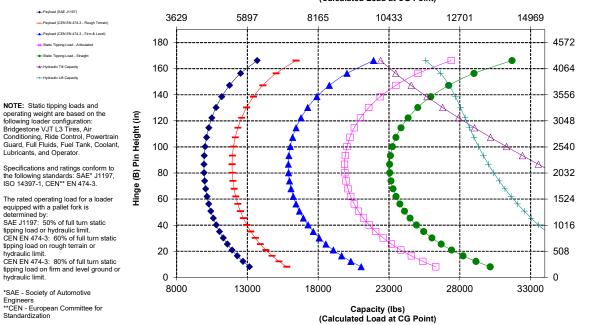
| 10 | ik Specifications   |           |               |
|----|---|-----------|---------------|
| 1  | Tine Length   | mm<br>in  | 1524<br>60.0  |
| 2  | Load Center   | mm        | 762           |
|    | Load Center   | in        | 30.0          |
|    | Static Tipping Load - Straight (Forks Level)                    | kg        | 10449         |
|    | 11 0 0 0 7  | lbs       | 23030<br>9009 |
|    | Static Tipping Load - Articulated (Forks Level)                 | kg<br>lbs | 19857         |
|    | Rated Load (SAE J1197 - 50% FTSTL)                              | kg        | 4505          |
|    | Raied Load (SAE J1197 - 50% F1S1L)                              | lbs       | 9928          |
|    | Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)             | kg        | 5406          |
|    | ,                         | lbs       | 11914<br>7208 |
|    | Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)     | kg<br>lbs | 15885         |
| 3  | Maximum Overall Length  | mm        | 9232          |
| ٠, | Maximum Overali Lengin  | in        | 363.5         |
| 4  | Reach with Forks at Ground Level                                | mm        | 1376          |
|    |   | in        | 54.2          |
| 5  | *Ground to Bottom of Tine at Minimum Height and Fork Level      | mm<br>in  | -161<br>-6.4  |
|    |   | mm        | 1849          |
| 6  | Reach with Arms Horizontal and Forks Level                      | in        | 72.8          |
| 7  | Reach with Fork at Maximum Height                               | mm        | 971           |
|    | Reacti with Fork at Maximum Height                              | in        | 38.2          |
| 8  | Ground to Top of Tine with Arms Horizontal and Fork Level       | mm        | 1769          |
| _  | · !   | in        | 69.6<br>3920  |
| 9  | Ground to Top of Tine at Maximum Height and Fork Level          | mm<br>in  | 154.3         |
| 40 | O   | mm        | 4695          |
| 10 | Overall Height of Fork at Full Lift (top of carriage to ground) | in        | 184.9         |
| 11 | Clearance at Full Lift and Max Dump                             | mm        | 2556          |
|    | Oldardino de l'all'Elle di la Max Bamp                          | in        | 100.6         |
| 12 | Max Discharge Angle from Horizontal                             | deg       | 46            |
| 13 | Overall Carriage Width  | mm        | 2217          |
| _  | · · · ·   | in        | 87.3          |
| 14 | Overall Carriage Height   | mm<br>in  | 840<br>33.1   |
| 45 | Outside Time Middle (many and all)                              | mm        | 2070          |
| 15 | Outside Tine Width (max spread)                                 | in        | 81.5          |
| 16 | Outside Tine Width (min spread)                                 | mm        | 470           |
|    | Catalas Tino Triati (Tini Spread)                               | in        | 18.5          |
|    | Tine Width (single tine)  | mm        | 150.0         |
|    |   | in<br>mm  | 5.9<br>65.0   |
|    | Tine Thickness  | in        | 2.6           |
|    | Tine Conseits   | kg        | 6300          |
|    | Tine Capacity   | lbs       | 13885         |
|    | Operating Weight  | kg        | 19792         |
|    | -pgg  | lbs       | 43621         |



Hinge (B) Pin Height (mm)

- Payload (CEN EN 474-3 - Rough Ter Payload (CEN EN 474-3 - Firm & Level)

#### Capacity (kg) (Calculated Load at CG Point)



The rated operating load for a loader equipped with a pallet fork is determined by:
SAE J1197: 50% of full turn static tipping load or hydraulic limit. CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.
CEN EN 474-3: 80% of full turn static tipping load on rough terrain or hydraulic limit.
CEN EN 474-3: 80% of full turn static tipping load on firm and level cround or the static tipping load on firm and level cround or the static tipping load on firm and level cround or the static tipping load on firm and level cround or the static tipping load on firm and level cround or the static tipping load on firm and level cround or the static tipping load on firm and level cround or the static tipping load on firm and level cround or the static tipping load on the static tipping load tipping loa tipping load on firm and level ground or hydraulic limit.

Lubricants, and Operator.

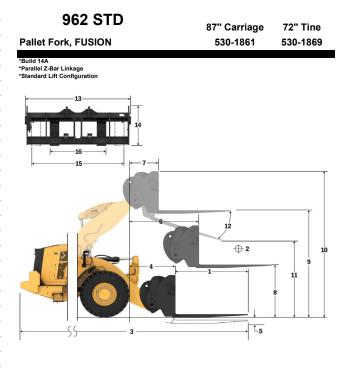
\*SAE - Society of Automotive Engineers
\*\*CEN - European Committee for Standardization



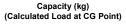
<sup>\*</sup>Negative values indicate below grade

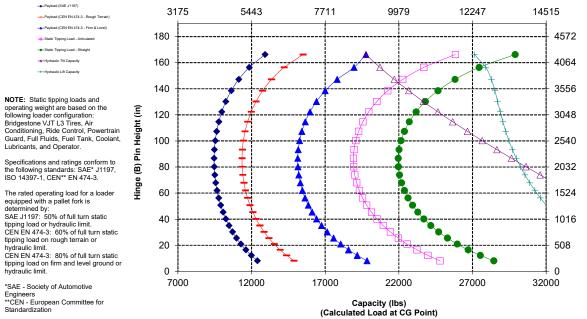
#### **Fork Specifications**

|    | · · · · · · · · · · · · · · · · · · ·                            |           |               |
|----|--|-----------|---------------|
| 1  | Tine Length  | mm<br>in  | 1830<br>72.0  |
| _  |  | mm        | 915           |
| 2  | Load Center  | in        | 36.0          |
|    | Static Tipping Load - Straight (Forks Level)                     | kg        | 9959          |
|    | Otatio Tipping Load - Ottaight (1 Onto Level)                    | lbs       | 21950         |
|    | Static Tipping Load - Articulated (Forks Level)                  | kg<br>lbs | 8581<br>18912 |
|    |  | kg        | 4290          |
|    | Rated Load (SAE J1197 - 50% FTSTL)                               | lbs       | 9456          |
|    | Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)              | kg        | 5148          |
|    | Nated Load (CEN EN 474-3 Rough Terrain - 00 % F131L)             | lbs       | 11347         |
|    | Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)      | kg        | 6865          |
|    |  | lbs       | 15129         |
| 3  | Maximum Overall Length   | mm<br>in  | 9538<br>375.5 |
|    |  | mm        | 1376          |
| 4  | Reach with Forks at Ground Level                                 | in        | 54.2          |
| 5  | *Ground to Bottom of Tine at Minimum Height and Fork Level       | mm        | -161          |
| э  | Ground to Bottom or Time at William Height and Fork Level        | in        | -6.4          |
| 6  | Reach with Arms Horizontal and Forks Level                       | mm        | 1849          |
|    | Trought Mary amortion Contact and Fortio Coron                   | in        | 72.8          |
| 7  | Reach with Fork at Maximum Height                                | mm        | 971           |
|    | <u> </u>   | in<br>mm  | 38.2<br>1769  |
| 8  | Ground to Top of Tine with Arms Horizontal and Fork Level        | in        | 69.6          |
| _  | 0 11 7 77 111 1 15 11 1  | mm        | 3920          |
| 9  | Ground to Top of Tine at Maximum Height and Fork Level           | in        | 154.3         |
| 10 | Overall Height of Fork at Full Lift (top of carriage to ground)  | mm        | 4695          |
|    | Overall Freight of Fork at Fall Lift (top of carriage to ground) | in        | 184.9         |
| 11 | Clearance at Full Lift and Max Dump                              | mm        | 2337          |
|    | <u> </u>   | in        | 92.0          |
| 12 | Max Discharge Angle from Horizontal                              | deg       | 46            |
| 13 | Overall Carriage Width   | mm        | 2217          |
|    | <u> </u>   | in<br>mm  | 87.3<br>840   |
| 14 | Overall Carriage Height  | in        | 33.1          |
| 45 | O. 4-1-1- Time (Middle (   | mm        | 2070          |
| 15 | Outside Tine Width (max spread)                                  | in        | 81.5          |
| 16 | Outside Tine Width (min spread)                                  | mm        | 470           |
|    | Outside Time Width (mini-spread)                                 | in        | 18.5          |
|    | Tine Width (single tine)   | mm<br>in  | 150.0<br>5.9  |
|    |  | mm        | 65.0          |
|    | Tine Thickness   | in        | 2.6           |
|    | Ti 0it-  | kg        | 5246          |
|    | Tine Capacity  | lbs       | 11562         |
|    | Operating Weight   | kg        | 19839         |
|    | Operating Weight   | lbs       | 43724         |
|    |  |           |               |



--- Payload (CEN EN 474-3 - Rough Terrain Payload (CEN EN 474-3 - Firm & Level





Lubricants, and Operator.

\*SAE - Society of Automotive Engineers
\*\*CEN - European Committee for Standardization

Specifications and ratings conform to the following standards: SAE\* J1197, ISO 14397-1, CEN\*\* EN 474-3.

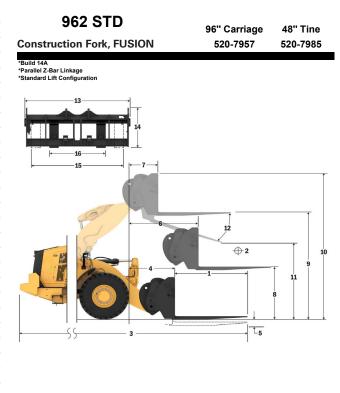
WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

<sup>\*</sup>Negative values indicate below grade

## **Fork Specifications**

#### **Fork Specifications**

|    | ik Opcomodions  |           |              |
|----|---|-----------|--------------|
| 1  | Tine Length   | mm<br>in  | 1219<br>48.0 |
| _  |   | mm        | 610          |
| 2  | Load Center   | in        | 24.0         |
|    | Static Tipping Load - Straight (Forks Level)                    | kg        | 10718        |
|    | Static ripping Load - Straight (Forks Lever)                    | lbs       | 23623        |
|    | Static Tipping Load - Articulated (Forks Level)                 | kg        | 9208         |
|    | otatio ripping coad - / titodiated (1 onto cever)               | lbs       | 2029         |
|    | Rated Load (SAE J1197 - 50% FTSTL)                              | kg        | 4604         |
|    |   | lbs       | 1014         |
|    | Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)             | kg<br>lbs | 5525<br>1217 |
|    | <u> </u>  | kg        | 7367         |
|    | Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)     | lbs       | 1623         |
| _  |   | mm        | 8884         |
| 3  | Maximum Overall Length  | in        | 349.7        |
| 4  | Reach with Forks at Ground Level                                | mm        | 1332         |
| 4  | Reach with Forks at Ground Level                                | in        | 52.5         |
| 5  | *Ground to Bottom of Tine at Minimum Height and Fork Level      | mm        | -81          |
| 3  | Ground to Bottom of Time at William Height and Fork Level       | in        | -3.2         |
| 6  | Reach with Arms Horizontal and Forks Level                      | mm        | 1841         |
| _  | Treadil Will / Will S Horizontal and Forto Edver                | in        | 72.5         |
| 7  | Reach with Fork at Maximum Height                               | mm        | 963          |
| _  |   | in        | 37.9         |
| 8  | Ground to Top of Tine with Arms Horizontal and Fork Level       | mm        | 1874         |
|    | ·   | in        | 73.8<br>4026 |
| 9  | Ground to Top of Tine at Maximum Height and Fork Level          | mm<br>in  | 158.5        |
|    |   | mm        | 5066         |
| 10 | Overall Height of Fork at Full Lift (top of carriage to ground) | in        | 199.5        |
|    | 01  | mm        | 2740         |
| 11 | Clearance at Full Lift and Max Dump                             | in        | 107.9        |
| 42 | May Discharge Angle from Harizantel                             |           | 52           |
| 12 | Max Discharge Angle from Horizontal                             | deg       | 52           |
| 13 | Overall Carriage Width  | mm        | 2528         |
|    | Overall Garriage vitati   | in        | 99.5         |
| 14 | Overall Carriage Height   | mm        | 1130         |
|    |   | in        | 44.5         |
| 15 | Outside Tine Width (max spread)                                 | mm        | 2178         |
|    |   | in<br>mm  | 85.7<br>576  |
| 16 | Outside Tine Width (min spread)                                 | in        | 22.7         |
|    |   | mm        | 180.0        |
|    | Tine Width (single tine)  | in        | 7.1          |
|    | Time Third was  | mm        | 90.0         |
|    | Tine Thickness  | in        | 3.5          |
|    | Tine Capacity   | kg        | 2220         |
|    | тне Сараску   | lbs       | 4892         |
|    | Operating Weight  | kg        | 2010         |
|    | Operating Weight  | lbs       | 4430         |

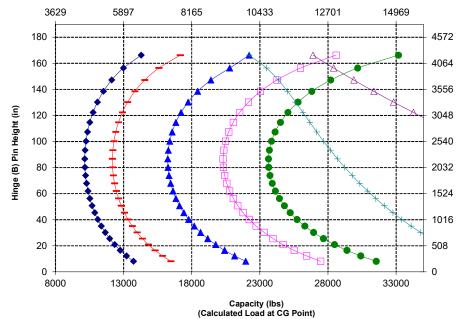


Pin Height (mm)

Hinge (B)

- Payload (CEN EN 474-3 - Rough Ter Payload (CEN EN 474-3 - Firm & Level)

## Capacity (kg) (Calculated Load at CG Point)



NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants and Operator. Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE\* J1197, ISO 14397-1, CEN\*\* EN 474-3.

The rated operating load for a loader equipped with a pallet fork is determined by: SAE J1197: 50% of full turn static tipping load or hydraulic limit. CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit. CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

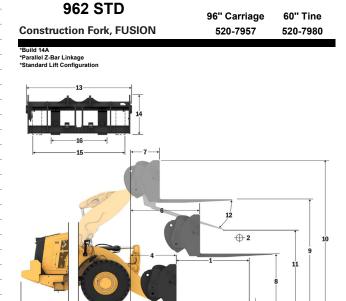
\*SAE - Society of Automotive Engineers
\*\*CEN - European Committee for



<sup>\*</sup>Negative values indicate below grade

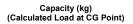
#### **Fork Specifications**

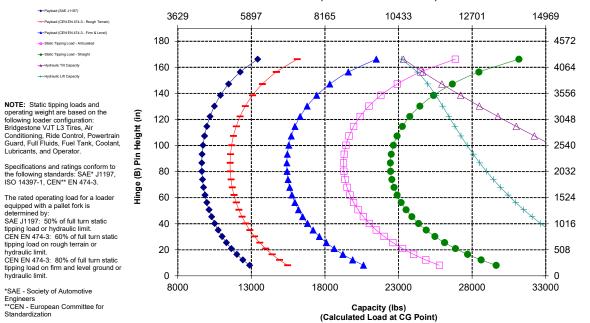
| . • |   |           |                |
|-----|---|-----------|----------------|
| 1   | Tine Length   | mm<br>in  | 1524<br>60.0   |
| _   | Lead Contra   | mm        | 762            |
| 2   | Load Center   | in        | 30.0           |
|     | Static Tipping Load - Straight (Forks Level)                    | kg        | 10179          |
|     | otatio ripping 2000 otalgit (1 otto 2010)                       | lbs       | 22433          |
|     | Static Tipping Load - Articulated (Forks Level)                 | kg<br>lbs | 8735<br>19252  |
|     |   | kg        | 4368           |
|     | Rated Load (SAE J1197 - 50% FTSTL)                              | lbs       | 9626           |
|     | Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)             | kg        | 5241           |
|     | Nated Load (CEN EN 474-3 Rough Terrain - 00 % F131L)            | lbs       | 11551          |
|     | Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)     | kg        | 6988           |
|     |   | lbs       | 15402          |
| 3   | Maximum Overall Length  | mm<br>in  | 9189<br>361.8  |
|     | <del>-</del>  | mm        | 1333           |
| 4   | Reach with Forks at Ground Level                                | in        | 52.5           |
| _   | *One and to Dettern of Time of Minimum Height and Food Level    | mm        | -81            |
| 5   | *Ground to Bottom of Tine at Minimum Height and Fork Level      | in        | -3.2           |
| 6   | Reach with Arms Horizontal and Forks Level                      | mm        | 1842           |
|     | Treach with Annis Horizontal and Forks Level                    | in        | 72.5           |
| 7   | Reach with Fork at Maximum Height                               | mm        | 963            |
|     |   | in        | 37.9           |
| 8   | Ground to Top of Tine with Arms Horizontal and Fork Level       | mm<br>in  | 1874<br>73.8   |
| _   |   | mm        | 4026           |
| 9   | Ground to Top of Tine at Maximum Height and Fork Level          | in        | 158.5          |
| 10  | Overall Height of Fork at Full Lift (top of carriage to ground) | mm        | 5066           |
| 10  | Overall Height of Fork at Full Lift (top of carriage to ground) | in        | 199.5          |
| 11  | Clearance at Full Lift and Max Dump                             | mm        | 2500           |
|     | Ologiano at i an Elit and max Bamp                              | in        | 98.4           |
| 12  | Max Discharge Angle from Horizontal                             | deg       | 52             |
| 13  | Overall Carriage Width  | mm        | 2528           |
|     | Overall Outridge viriali  | in        | 99.5           |
| 14  | Overall Carriage Height   | mm        | 1130           |
| _   |   | in<br>mm  | 44.5<br>2178   |
| 15  | Outside Tine Width (max spread)                                 | in        | 85.7           |
| 40  | Outside Time (Middle (outside several))                         | mm        | 576            |
| 16  | Outside Tine Width (min spread)                                 | in        | 22.7           |
|     | Tine Width (single tine)  | mm        | 180.0          |
|     |   | in        | 7.1            |
|     | Tine Thickness  | mm        | 90.0           |
| _   |   | in        | 3.5            |
|     | Tine Capacity   | ka<br>lbs | 17800<br>39231 |
|     | * " " " " " " " " " " " " " " " " " " "                         | ka        | 20167          |
|     | Operating Weight  | lbs       | 44447          |
|     |   |           |                |



\*Negative values indicate below grade

Payload (CEN EN 474-3 - Firm & Level





\*SAE - Society of Automotive Engineers
\*\*CEN - European Committee for

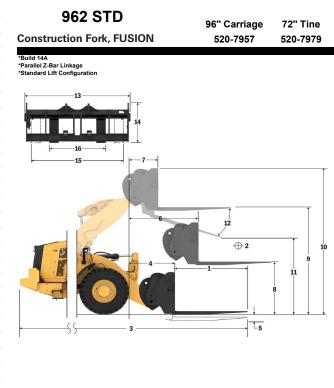
Lubricants, and Operator.

WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

## **Fork Specifications**

#### **Fork Specifications**

|    | ik Opecinications   |           |              |
|----|---|-----------|--------------|
| 1  | Tine Length   | mm<br>in  | 1829<br>72.0 |
| _  |   | mm        | 915          |
| 2  | Load Center   | in        | 36.0         |
|    | Static Tipping Load - Straight (Forks Level)                    | kg        | 9683         |
|    | Static Tipping Load - Straight (Porks Level)                    | lbs       | 21341        |
|    | Static Tipping Load - Articulated (Forks Level)                 | kg        | 8300         |
|    | otatio ripping zona i rationatoa (ronto zono)                   | lbs       | 18294        |
|    | Rated Load (SAE J1197 - 50% FTSTL)                              | kg        | 4150         |
|    |   | lbs       | 9147<br>4980 |
|    | Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)             | kg<br>lbs | 10977        |
|    |   | kg        | 6640         |
|    | Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)     | lbs       | 14635        |
| _  |   | mm        | 9494         |
| 3  | Maximum Overall Length  | in        | 373.8        |
| 4  | Reach with Forks at Ground Level                                | mm        | 1333         |
| -  | Reach with Forks at Ground Level                                | in        | 52.5         |
| 5  | *Ground to Bottom of Tine at Minimum Height and Fork Level      | mm        | -81          |
|    | Cround to Bottom or time at Milliminant Height and Fork Edver   | in        | -3.2         |
| 6  | Reach with Arms Horizontal and Forks Level                      | mm        | 1842         |
|    | Trought Mary and Florizonial and Forto Eover                    | in        | 72.5         |
| 7  | Reach with Fork at Maximum Height                               | mm        | 963          |
|    |   | in        | 37.9         |
| 8  | Ground to Top of Tine with Arms Horizontal and Fork Level       | mm        | 1874         |
|    | ·   | in        | 73.8<br>4026 |
| 9  | Ground to Top of Tine at Maximum Height and Fork Level          | mm<br>in  | 158.5        |
|    |   | mm        | 5066         |
| 10 | Overall Height of Fork at Full Lift (top of carriage to ground) | in        | 199.5        |
|    | 0   | mm        | 2259         |
| 11 | Clearance at Full Lift and Max Dump                             | in        | 88.9         |
| 42 | May Discharge Angle from Herizontel                             |           |              |
| 12 | Max Discharge Angle from Horizontal                             | deg       | 52           |
| 12 | Overall Carriage Width  | mm        | 2528         |
| 13 | Overall Carriage virgin   | in        | 99.5         |
| 14 | Overall Carriage Height   | mm        | 1130         |
|    | O Torum Carriago Froight  | in        | 44.5         |
| 15 | Outside Tine Width (max spread)                                 | mm        | 2178         |
| _  | ·   | in        | 85.7         |
| 16 | Outside Tine Width (min spread)                                 | mm<br>in  | 576<br>22.7  |
|    |   | mm        | 180.0        |
|    | Tine Width (single tine)  | in        | 7.1          |
|    | T. T  | mm        | 90.0         |
|    | Tine Thickness  | in        | 3.5          |
|    | Tine Canacity   | kg        | 14800        |
|    | Tine Capacity   | lbs       | 32619        |
|    | Operating Weight  | kg        | 20228        |
|    | Operating weight  | lbs       | 44581        |
|    |   |           |              |



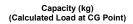
Hinge (B) Pin Height (mm)

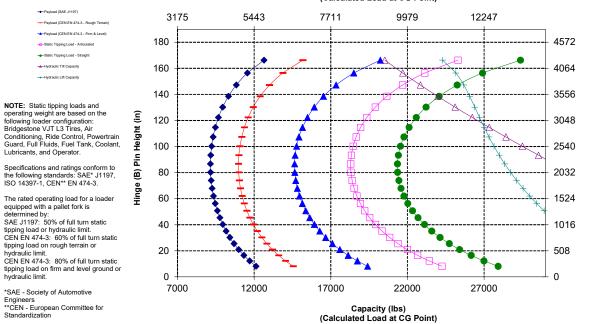
- Payload (CEN EN 474-3 - Rough Ter Payload (CEN EN 474-3 - Firm & Level)

Lubricants, and Operator.

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\*\*CEN - European Committee for

Specifications and ratings conform to the following standards: SAE\* J1197, ISO 14397-1, CEN\*\* EN 474-3.



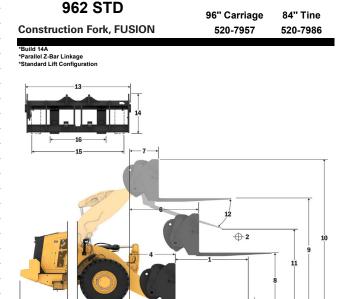




<sup>\*</sup>Negative values indicate below grade

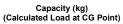
#### **Fork Specifications**

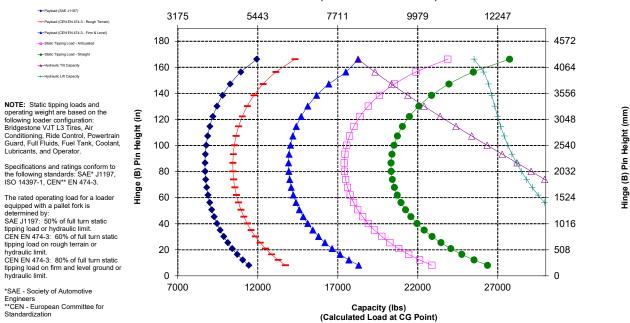
| . • | opeomoune   |           |                |
|-----|---|-----------|----------------|
| 1   | Tine Length   | mm<br>in  | 2134<br>84.0   |
| _   | Load Contar   | mm        | 1067           |
| 2   | Load Center   | in        | 42.0           |
|     | Static Tipping Load - Straight (Forks Level)                    | kg        | 9221           |
|     | otatio ripping 2544 ottaignt (15116 2575)                       | lbs       | 20322          |
|     | Static Tipping Load - Articulated (Forks Level)                 | kg<br>lbs | 7894<br>17399  |
|     |   | kg        | 3947           |
|     | Rated Load (SAE J1197 - 50% FTSTL)                              | lbs       | 8700           |
|     | Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)             | kg        | 4737           |
|     | Rated Load (CEN EN 474-3 Rough Terrain - 00 % F131L)            | lbs       | 10440          |
|     | Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)     | kg        | 6316           |
|     |   | lbs       | 13920          |
| 3   | Maximum Overall Length  | mm<br>in  | 9799           |
|     | <u> </u>  | mm        | 385.8<br>1333  |
| 4   | Reach with Forks at Ground Level                                | in        | 52.5           |
| _   | to  | mm        | -81            |
| 5   | *Ground to Bottom of Tine at Minimum Height and Fork Level      | in        | -3.2           |
| 6   | Reach with Arms Horizontal and Forks Level                      | mm        | 1842           |
|     | Treach with Annis Honzontal and Forks Level                     | in        | 72.5           |
| 7   | Reach with Fork at Maximum Height                               | mm        | 963            |
|     |   | in        | 37.9           |
| 8   | Ground to Top of Tine with Arms Horizontal and Fork Level       | mm<br>in  | 1874<br>73.8   |
| _   |   | mm        | 4026           |
| 9   | Ground to Top of Tine at Maximum Height and Fork Level          | in        | 158.5          |
| 10  | Overall Height of Fork at Full Lift (top of carriage to ground) | mm        | 5066           |
| 10  | Overall Height of Fork at Full Lift (top of carriage to ground) | in        | 199.5          |
| 11  | Clearance at Full Lift and Max Dump                             | mm        | 2019           |
|     | Cloure and the art are      | in        | 79.5           |
| 12  | Max Discharge Angle from Horizontal                             | deg       | 52             |
| 13  | Overall Carriage Width  | mm        | 2528           |
|     | O Toran Carrago Triasi  | in        | 99.5           |
| 14  | Overall Carriage Height   | mm        | 1130           |
|     |   | in<br>mm  | 44.5<br>2178   |
| 15  | Outside Tine Width (max spread)                                 | in        | 85.7           |
| 40  | Outside Time Middle (main annual)                               | mm        | 576            |
| 16  | Outside Tine Width (min spread)                                 | in        | 22.7           |
|     | Tine Width (single tine)  | mm        | 180.0          |
|     | This That (ongo the)  | in        | 7.1            |
|     | Tine Thickness  | mm        | 90.0           |
|     |   | in        | 3.5            |
|     | Tine Capacity   | kq<br>lbs | 12700<br>27991 |
|     | <b>a</b>  | ka        | 20291          |
|     | Operating Weight  | lbs       | 44720          |
|     |   |           | 0              |



\*Negative values indicate below grade

-Payload (CEN EN 474-3 - Firm & Level







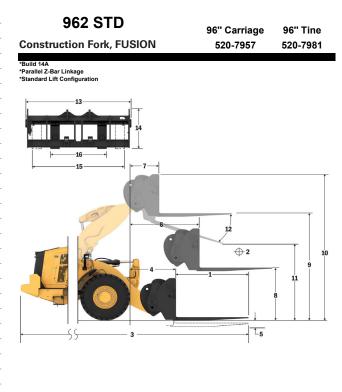
Lubricants, and Operator.

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\*\*CEN - European Committee for

## **Fork Specifications**

#### **Fork Specifications**

|     | ik Opecinications   |           |               |
|-----|---|-----------|---------------|
| 1   | Tine Length   | mm        | 2438<br>96.0  |
| _   | 1 10 1  | in<br>mm  | 1219          |
| 2   | Load Center   | in        | 48.0          |
|     | Static Tipping Load - Straight (Forks Level)                    | kg        | 8792          |
|     | Static Tipping Load - Straight (Forks Level)                    | lbs       | 19378         |
|     | Static Tipping Load - Articulated (Forks Level)                 | kg        | 7518          |
|     | ··Pp····§ · · · · · · · · · · · · · · ·                         | lbs       | 16569         |
|     | Rated Load (SAE J1197 - 50% FTSTL)                              | kg        | 3759<br>8285  |
|     | <u> </u>  | lbs<br>kg | 4511          |
|     | Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)             | lbs       | 9942          |
|     |   | kg        | 6014          |
|     | Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)     | lbs       | 13255         |
| 3   | Maximum Overall Length  | mm        | 10103         |
|     | Maximum Overali Lengui  | in        | 397.7         |
| 4   | Reach with Forks at Ground Level                                | mm        | 1333          |
| _   | Nodell Will Folks at Ground Ester                               | in        | 52.5          |
| 5   | *Ground to Bottom of Tine at Minimum Height and Fork Level      | mm        | -81           |
| _   | <u> </u>  | in        | -3.2          |
| 6   | Reach with Arms Horizontal and Forks Level                      | mm        | 1842          |
| _   |   | in<br>mm  | 72.5<br>963   |
| 7   | Reach with Fork at Maximum Height                               | in        | 37.9          |
| _   | 0 11 7 77 71 11 11 15 11 15 11                                  | mm        | 1874          |
| 8   | Ground to Top of Tine with Arms Horizontal and Fork Level       | in        | 73.8          |
| 9   | Ground to Top of Tine at Maximum Height and Fork Level          | mm        | 4026          |
|     | Ground to Top of Title at Maximum Fleight and Fork Level        | in        | 158.5         |
| 10  | Overall Height of Fork at Full Lift (top of carriage to ground) | mm        | 5066          |
|     |   | in        | 199.5         |
| 11  | Clearance at Full Lift and Max Dump                             | mm        | 1779          |
|     | · '   | in        | 70.0          |
| 12  | Max Discharge Angle from Horizontal                             | deg       | 52            |
|     |   | mm        | 2528          |
| 13  | Overall Carriage Width  | in        | 99.5          |
| 11  | Overall Carriage Height   | mm        | 1130          |
| -14 | Overall Carriage Height   | in        | 44.5          |
| 15  | Outside Tine Width (max spread)                                 | mm        | 2178          |
|     | Outoido Tillo Tridati (max oproda)                              | in        | 85.7          |
| 16  | Outside Tine Width (min spread)                                 | mm        | 576           |
|     | · · · ·   | in<br>mm  | 22.7<br>180.0 |
|     | Tine Width (single tine)  | in        | 7.1           |
| _   | T. T. I   | mm        | 90.0          |
|     | Tine Thickness  | in        | 3.5           |
|     | Tine Capacity   | kg        | 11300         |
|     | тие Сараску   | lbs       | 24905         |
|     | Operating Weight  | kq        | 20353         |
|     | operating resignit  | lbs       | 44857         |
|     |   |           |               |



Pin Height (mm)

Hinge (B)

- Payload (CEN EN 474-3 - Rough Te Payload (CEN EN 474-3 - Firm & Level)

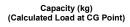
NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricauts and Operator.

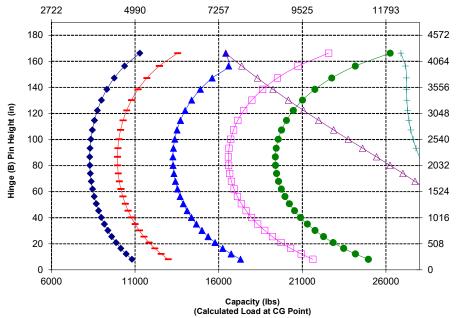
Specifications and ratings conform to the following standards: SAE\* J1197, ISO 14397-1, CEN\*\* EN 474-3.

The rated operating load for a loader equipped with a pallet fork is determined by: SAE J1197: 50% of full turn static tipping load or hydraulic limit. CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit. CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

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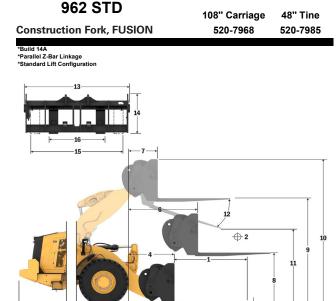




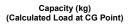
<sup>\*</sup>Negative values indicate below grade

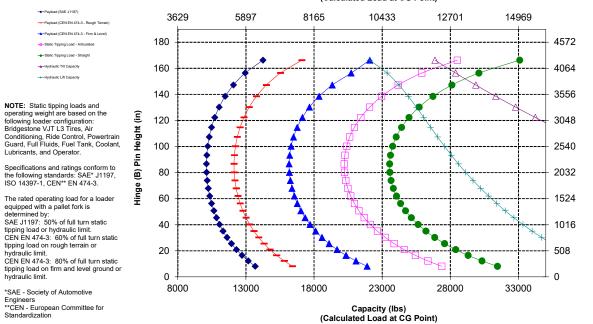
#### **Fork Specifications**

|    | opoomoutono  |           |                |
|----|--|-----------|----------------|
| 1  | Tine Length  | mm<br>in  | 1219<br>48.0   |
| 2  | Load Center  | mm        | 610            |
|    | Load Ceriter   | in        | 24.0           |
|    | Static Tipping Load - Straight (Forks Level)                     | kg<br>lbs | 10677          |
|    |  | ka        | 23533<br>9167  |
|    | Static Tipping Load - Articulated (Forks Level)                  | lbs       | 20205          |
|    | Rated Load (SAE J1197 - 50% FTSTL)                               | kg        | 4584           |
|    | Traced Edda (G/IE 01107 - 00701 1012)                            | lbs       | 10102          |
|    | Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)              | kg<br>lbs | 5500<br>12123  |
|    |  | ka        | 7334           |
|    | Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)      | lbs       | 16164          |
| 3  | Maximum Overall Length   | mm        | 8884           |
| _  | Waxindin Overali Lengti  | in        | 349.7          |
| 4  | Reach with Forks at Ground Level                                 | mm        | 1332           |
|    |  | in<br>mm  | 52.5<br>-81    |
| 5  | *Ground to Bottom of Tine at Minimum Height and Fork Level       | in        | -3.2           |
| _  | Decelorable American Indiana del Carlos Larral                   | mm        | 1841           |
| 6  | Reach with Arms Horizontal and Forks Level                       | in        | 72.5           |
| 7  | Reach with Fork at Maximum Height                                | mm        | 963            |
| _  | Trought with the at Maximum Holght                               | in        | 37.9           |
| 8  | Ground to Top of Tine with Arms Horizontal and Fork Level        | mm        | 1874           |
| _  |  | in<br>mm  | 73.8<br>4026   |
| 9  | Ground to Top of Tine at Maximum Height and Fork Level           | in        | 158.5          |
| 10 | Overall Height of Fork at Full Lift (top of carriage to ground)  | mm        | 5066           |
| 10 | Overall Fielght of Fork at Full Lift (top of carriage to ground) | in        | 199.5          |
| 11 | Clearance at Full Lift and Max Dump                              | mm        | 2740           |
|    | <u>'</u>   | in        | 107.9          |
| 12 | Max Discharge Angle from Horizontal                              | deg       | 52             |
| 13 | Overall Carriage Width   | mm        | 2833<br>111.5  |
|    | <del>-</del>   | in<br>mm  | 1130           |
| 14 | Overall Carriage Height  | in        | 44.5           |
| 45 | Outside Tine Width (max spread)                                  | mm        | 2493           |
| 15 | Outside Tine Width (max spread)                                  | in        | 98.1           |
| 16 | Outside Tine Width (min spread)                                  | mm        | 590            |
|    | · ( i /  | in        | 23.2<br>180.0  |
|    | Tine Width (single tine)   | mm<br>in  | 7.1            |
|    | Tine Thickness   | mm        | 90.0           |
|    | THE THURIESS   | in        | 3.5            |
|    | Tine Capacity  | kq        | 22200          |
|    |  | lbs       | 48929          |
|    | Operating Weight   | kg        | 20154<br>44418 |
|    |  | lbs       | 44418          |



-Payload (CEN EN 474-3 - Firm & Level





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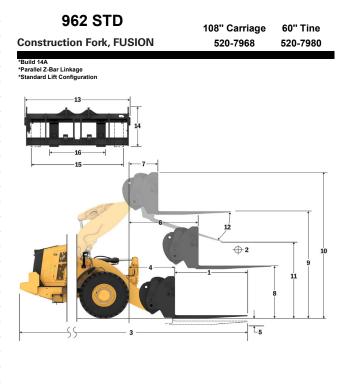
WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

<sup>\*</sup>Negative values indicate below grade

## **Fork Specifications**

#### **Fork Specifications**

| 1  | Tine Length  | mm<br>in  | 1524<br>60.0  |
|----|--|-----------|---------------|
| _  |  | mm        | 762           |
| 2  | Load Center  | in        | 30.0          |
|    | Static Tipping Load - Straight (Forks Level)                         | kg        | 10143         |
|    | Otatic Tipping Load - Otraignt (1 Orks Level)                        | lbs       | 22355         |
|    | Static Tipping Load - Articulated (Forks Level)                      | kg        | 8700          |
|    | , ,  | lbs<br>kg | 19174<br>4350 |
|    | Rated Load (SAE J1197 - 50% FTSTL)                                   | lbs       | 9587          |
|    | Detect   and (OFN EN 474 & Decemb Townsian COOK ETCT)                | kg        | 5220          |
|    | Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)                  | lbs       | 11504         |
|    | Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)          | kg        | 6960          |
|    | Trace Edda (OEIT EIT TITT and Edver Ground - 00701 1012)             | lbs       | 15339         |
| 3  | Maximum Overall Length   | mm        | 9189          |
|    |  | in<br>mm  | 361.8<br>1333 |
| 4  | Reach with Forks at Ground Level                                     | in        | 52.5          |
| _  | +0 - 1: D. : - (T 11: 1: 15: 11: 1                                   | mm        | -81           |
| 5  | *Ground to Bottom of Tine at Minimum Height and Fork Level           | in        | -3.2          |
| 6  | Reach with Arms Horizontal and Forks Level                           | mm        | 1842          |
|    | Treadil Will 74 mo Florizonial and Forto Edver                       | in        | 72.5          |
| 7  | Reach with Fork at Maximum Height                                    | mm        | 963           |
|    |  | in        | 37.9          |
| 8  | Ground to Top of Tine with Arms Horizontal and Fork Level            | mm<br>in  | 1874<br>73.8  |
| _  | Consider Top of Tip and Manifestory Unight and Forth Level           | mm        | 4026          |
| 9  | Ground to Top of Tine at Maximum Height and Fork Level               | in        | 158.5         |
| 10 | Overall Height of Fork at Full Lift (top of carriage to ground)      | mm        | 5066          |
|    | everall resigns of residual and an activation of carriage to ground) | in        | 199.5         |
| 11 | Clearance at Full Lift and Max Dump                                  | mm        | 2500          |
|    | <u> </u>   | in        | 98.4          |
| 12 | Max Discharge Angle from Horizontal                                  | deg       | 52            |
| 13 | Overall Carriage Width   | mm        | 2833          |
|    |  | in<br>mm  | 111.5<br>1130 |
| 14 | Overall Carriage Height  | in        | 44.5          |
|    | O 1 11 T 147 H 1   | mm        | 2483          |
| 15 | Outside Tine Width (max spread)                                      | in        | 97.8          |
| 16 | Outside Tine Width (min spread)                                      | mm        | 590           |
|    | Outside Title Width (mint spread)                                    | in        | 23.2          |
|    | Tine Width (single tine)   | mm<br>in  | 180.0<br>7.1  |
|    | Tine Thickness   | mm        | 90.0          |
|    | THE THICKHESS  | in        | 3.5           |
|    | Tine Capacity  | kg        | 17800         |
|    | This dapasity  | lbs       | 39231         |
|    | Operating Weight   | kg        | 20216         |
|    | · · ·  | lbs       | 44555         |



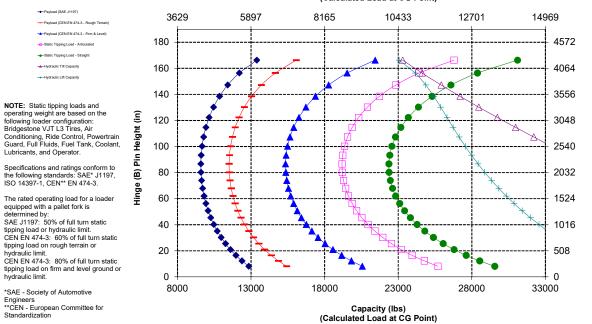
Hinge (B) Pin Height (mm)

- Payload (CEN EN 474-3 - Rough Te Payload (CEN EN 474-3 - Firm & Level)

Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE\* J1197, ISO 14397-1, CEN\*\* EN 474-3.



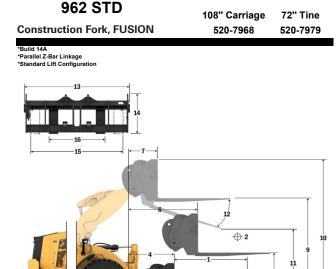


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<sup>\*</sup>Negative values indicate below grade

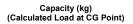
#### **Fork Specifications**

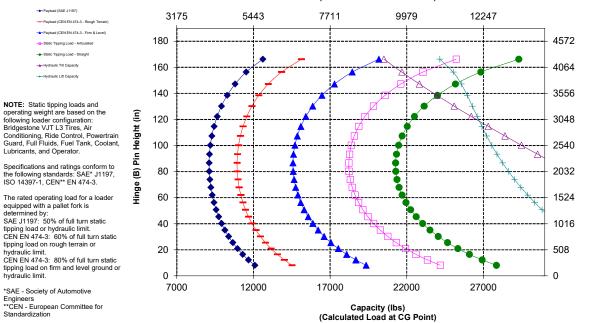
| 1 Tine Length  |
|--|
| 2   Load Center   mm   91   m   94   m   96      |
| Static Tipping Load - Straight (Forks Level)   Rad   966   86   212   82   82   84   84   864   86   86   86   87   87   87   88   88  |
| Static Tipping Load - Straight (Forks Level)   Ibs   212     Static Tipping Load - Articulated (Forks Level)   Ibs   182     Rated Load (SAE J1197 - 50% FTSTL)   Ibs   182     Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)   Ibs   105     Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Ibs   109     Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Ibs   145     3 Maximum Overall Length   mm   94     in   37     4 Reach with Forks at Ground Level   mm   133     5 *Ground to Bottom of Tine at Minimum Height and Fork Level   mm   18     in   -3     6 Reach with Fork at Maximum Height   mm   18     in   72     7 Reach with Fork at Maximum Height   mm   18     8 Ground to Top of Tine with Arms Horizontal and Fork Level   mm   18     9 Ground to Top of Tine with Arms Horizontal and Fork Level   mm   402     in   158   mm   180     10 Overall Height of Fork at Full Lift (top of carriage to ground)   mm   506     11 Clearance at Full Lift and Max Dump   mm   225     13 Overall Carriage Height   mm   181     14 Overall Carriage Height   mm   181     15 Outside Tine Width (max spread)   mm   248     16 Outside Tine Width (min spread)   mm   94     17 Outside Tine Width (min spread)   mm   506     18 Outside Tine Width (min spread)   mm   507     18 Outside Tine Width (min spread)   mm   508     19 Outside Tine Width (min spread)   mm   508     10 Out   |
| Static Tipping Load - Articulated (Forks Level)   Ibs   48   826   826   838   838   838   838   838   839   |
| Static Tipping Load - Articulated (Forks Level)   Ibs   182  |
| Rated Load (SAE J1197 - 50% FTSTL)   kg   413  |
| Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)   Ibs   916   Nated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)   Ibs   109   Ibs   Ibs   109   Ibs    |
| Rated Load (CEN EN 474-3 Rough Terrain - 00% FTSTL)   Ibs   109  |
| Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)  Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)  Maximum Overall Length  Reach with Forks at Ground Level  Start Ground to Bottom of Tine at Minimum Height and Fork Level  Reach with Arms Horizontal and Forks Level  Reach with Fork at Maximum Height  Reach with Fork at Maximum Height  Ground to Top of Tine with Arms Horizontal and Fork Level  Reach with Fork at Maximum Height and Fork Level  Reach with Fork at Maximum Height and Fork Level  Reach with Fork at Maximum Height and Fork Level  Reach with Fork at Maximum Height and Fork Level  Reach with Fork at Maximum Height and Fork Level  Reach with Fork at Full Lift (top of carriage to ground)  Reach with Fork at Maximum Height and Fork Level  Reach with Fork at Maximum Height and Fork Level  Reach with Fork at Maximum Height and Fork Level  Reach with |
| 145   3   3   3   3   3   3   3   3   3  |
| Maximum Overall Length   |
| A Reach with Forks at Ground Level   mm   133   135    |
| Reach with Forks at Ground Level   mm   133   in 52,   |
| 1  |
| 5 *Ground to Bottom of Tine at Minimum Height and Fork Level         mm -8 in -3.           6 Reach with Arms Horizontal and Forks Level         mm 184           7 Reach with Fork at Maximum Height         mm 96           8 Ground to Top of Tine with Arms Horizontal and Fork Level         mm 187           9 Ground to Top of Tine at Maximum Height and Fork Level         mm 40           10 Overall Height of Fork at Full Lift (top of carriage to ground)         mm 500           11 Clearance at Full Lift and Max Dump         mm 225           12 Max Discharge Angle from Horizontal         deg 52           13 Overall Carriage Width         mm 283           14 Overall Carriage Height         mm 115           15 Outside Tine Width (max spread)         mm 24           16 Outside Tine Width (min spread)         mm 50   |
| 1  |
| 7   Reach with Fork at Maximum Height   n   72,  |
| 7   Reach with Fork at Maximum Height   mm   96   mm   97   mm     |
| 37   |
| 8   Ground to Top of Tine with Arms Horizontal and Fork Level   mm   187   mm   mm   mm   mm   mm   mm   mm  |
| 9   Ground to Top of Tine with Amis Florizonial and Fork Level   in   73,   73,   73,   73,   74,      |
| 9 Ground to Top of Tine at Maximum Height and Fork Level         mm in 158         402 in 158           10 Overall Height of Fork at Full Lift (top of carriage to ground)         mm 506         506           11 Clearance at Full Lift and Max Dump         mm 225         38.           12 Max Discharge Angle from Horizontal         deg         52           13 Overall Carriage Width         mm 283         11           14 Overall Carriage Height         mm 113         114           15 Outside Tine Width (max spread)         mm 248         97.           16 Outside Tine Width (min spread)         mm 50         97.   |
| 158   159   150    |
| 10   |
| 11   Clearance at Full Lift and Max Dump   mm   225   in   88.     12   Max Discharge Angle from Horizontal   deg   52     13   Overall Carriage Width   mm   283   in   111     14   Overall Carriage Height   mm   113   in   141     15   Outside Tine Width (max spread)   mm   248   in   97.     16   Outside Tine Width (min spread)   mm   59   75   75   75   75   75   75   75   |
| 12 Max Discharge Angle from Horizontal   deg   52     13 Overall Carriage Width   mm   283   in 111     14 Overall Carriage Height   mm   113   in 141     15 Outside Tine Width (max spread)   mm   59     16 Outside Tine Width (min spread)   mm   59     17 Outside Tine Width (min spread)   mm   59     18 Outside Tine Width (min spread)   mm   59     18 Outside Tine Width (min spread)   mm   59  |
| 2 Max Discharge Angle from Horizontal   deg   52     3 Overall Carriage Width   mm   283     4 Overall Carriage Height   mm   113     5 Outside Tine Width (max spread)   mm   246     6 Outside Tine Width (min spread)   mm   597     7 Outside Tine Width (min spread)   mm   597     8 Outside Tine Width (min spread)   mm   597     8 Outside Tine Width (min spread)   mm   597     9 Outside Tine Width (min spread)   mm   597     1 Outside Tine Width (min spread)   mm   597       |
| 3   Overall Carriage Width   mm   283   in   111   |
| 13 Overall Carriage Width   in   111     14 Overall Carriage Height   mm   113     15 Outside Tine Width (max spread)   mm   24     16 Outside Tine Width (min spread)   mm   59   |
| 14 Overall Carriage Height         mm in 41.9 mm         115 outside Tine Width (max spread)         mm 248 in 97.           16 Outside Tine Width (min spread)         mm 59.         97.   |
| 14 Overall Carriage Height   in   44.  |
| 15 Outside Tine Width (max spread)         mm         248 in         97.           16 Outside Tine Width (min spread)         mm         59  |
| In 97.  No Outside Tipe Width (min spread) mm 59   |
|  |
| in 23.   |
|  |
| Tine Width (single tine) mm 180  |
| in 7.  |
| Tine Thickness mm 90.  |
| l 440  |
| Tine Capacity Rd 1480 lbs 326  |
| Operating Weight kg 202  |
|  |



\*Negative values indicate below grade

-Payload (CEN EN 474-3 - Firm & Level







Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE\* J1197, ISO 14397-1, CEN\*\* EN 474-3.

The rated operating load for a loader equipped with a pallet fork is determined by:

SAE J1197: 50% of full turn static tipping load or hydraulic limit.
CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.
CEN EN 474-3: 80% of full turn static tipping load on rough terrain or hydraulic limit.

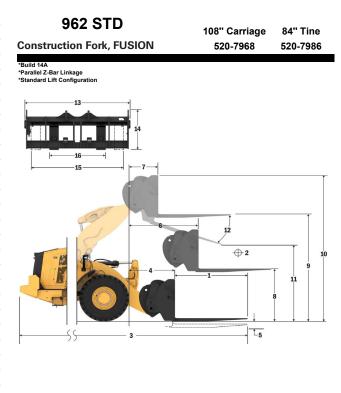
\*SAE - Society of Automotive Engineers
\*\*CEN - European Committee for

> WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

## **Fork Specifications**

#### **Fork Specifications**

|    | ··· •p••·····   |           |                |
|----|---|-----------|----------------|
| 1  | Tine Length   | mm<br>in  | 2134<br>84.0   |
|    | 1404  | mm        | 1067           |
| 2  | Load Center   | in        | 42.0           |
|    | Static Tipping Load - Straight (Forks Level)                    | kg        | 9188           |
|    | otatio ripping zoda otatigni (romo zovor)                       | lbs       | 20250          |
|    | Static Tipping Load - Articulated (Forks Level)                 | kg<br>lbs | 7862<br>17328  |
|    |   | kg        | 3931           |
|    | Rated Load (SAE J1197 - 50% FTSTL)                              | lbs       | 8664           |
|    | Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)             | kg        | 4717           |
|    | Nated Load (CEN EN 474-3 Rough Terrain - 00 % F131L)            | lbs       | 10397          |
|    | Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)     | kg        | 6290           |
|    | ,   | lbs       | 13862          |
| 3  | Maximum Overall Length  | mm<br>in  | 9799<br>385.8  |
|    |   | mm        | 1333           |
| 4  | Reach with Forks at Ground Level                                | in        | 52.5           |
| 5  | *Ground to Bottom of Tine at Minimum Height and Fork Level      | mm        | -81            |
|    | Glound to Bottom of Time at William Height and Pork Level       | in        | -3.2           |
| 6  | Reach with Arms Horizontal and Forks Level                      | mm        | 1842           |
| _  |   | in        | 72.5           |
| 7  | Reach with Fork at Maximum Height                               | mm<br>in  | 963<br>37.9    |
| _  |   | mm        | 1874           |
| 8  | Ground to Top of Tine with Arms Horizontal and Fork Level       | in        | 73.8           |
| 9  | Ground to Top of Tine at Maximum Height and Fork Level          | mm        | 4026           |
|    | Ground to Top of Time at Maximum Height and Fork Level          | in        | 158.5          |
| 10 | Overall Height of Fork at Full Lift (top of carriage to ground) | mm        | 5066           |
|    |   | in        | 199.5          |
| 11 | Clearance at Full Lift and Max Dump                             | mm<br>in  | 2019<br>79.5   |
|    |   |           |                |
| 12 | Max Discharge Angle from Horizontal                             | deg       | 52             |
| 13 | Overall Carriage Width  | mm        | 2833           |
|    | Overall Carriage Width  | in        | 111.5          |
| 14 | Overall Carriage Height   | mm        | 1130           |
|    |   | in<br>mm  | 44.5<br>2483   |
| 15 | Outside Tine Width (max spread)                                 | in        | 97.8           |
| 40 | Outside Tire Middle (sein seesed)                               | mm        | 590            |
| 16 | Outside Tine Width (min spread)                                 | in        | 23.2           |
|    | Tine Width (single tine)  | mm        | 180.0          |
|    |   | in        | 7.1            |
|    | Tine Thickness  | mm        | 90.0           |
|    |   | in        | 3.5            |
|    | Tine Capacity   | kq<br>lbs | 12700<br>27991 |
|    | 0 " W'''  | ka        | 20340          |
|    | Operating Weight  | lbs       | 44828          |
|    |   |           |                |



Hinge (B) Pin Height (mm)

- Payload (CEN EN 474-3 - Rough Ter Payload (CEN EN 474-3 - Firm & Level)

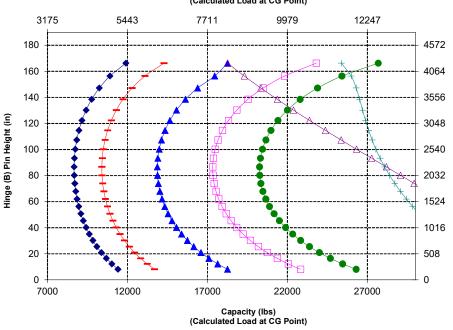




Specifications and ratings conform to the following standards: SAE\* J1197, ISO 14397-1, CEN\*\* EN 474-3.

The rated operating load for a loader equipped with a pallet fork is determined by: SAE J1197: 50% of full turn static tipping load or hydraulic limit. CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit. CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

\*SAE - Society of Automotive Engineers
\*\*CEN - European Committee for

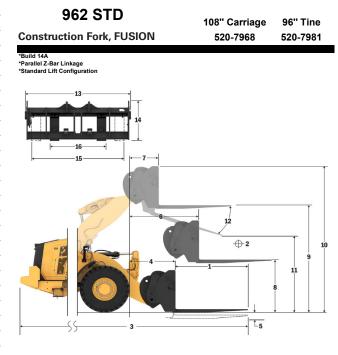




<sup>\*</sup>Negative values indicate below grade

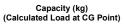
#### **Fork Specifications**

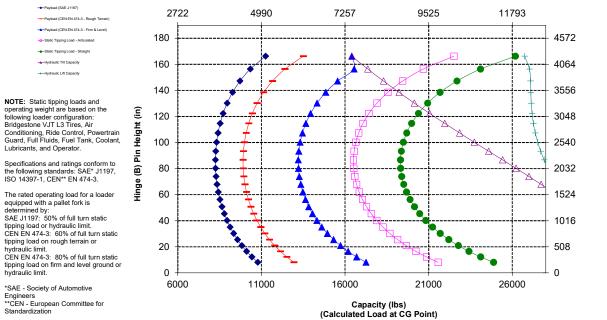
| . • | ik Opcomoduona  |           |                |
|-----|---|-----------|----------------|
| 1   | Tine Length   | mm<br>in  | 2438<br>96.0   |
| _   | 1 10 1  | mm        | 1219           |
| 2   | Load Center   | in        | 48.0           |
|     | Static Tipping Load - Straight (Forks Level)                    | kg        | 8760           |
|     | Otatic Tipping Load - Ottaignt (Forks Level)                    | lbs       | 19307          |
|     | Static Tipping Load - Articulated (Forks Level)                 | kg        | 7486           |
|     | 11 5 7  | lbs       | 16498          |
|     | Rated Load (SAE J1197 - 50% FTSTL)                              | kg        | 3743<br>8249   |
|     |   | lbs<br>ka | 4491           |
|     | Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)             | lbs       | 9899           |
|     | D   | kg        | 5988           |
|     | Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)     | lbs       | 13199          |
| 3   | Maximum Overall Length  | mm        | 10103          |
|     | Maximum Overali Lengtii   | in        | 397.7          |
| 4   | Reach with Forks at Ground Level                                | mm        | 1333           |
|     | Troubly Will Forto at Ground 2570                               | in        | 52.5           |
| 5   | *Ground to Bottom of Tine at Minimum Height and Fork Level      | mm        | -81            |
|     | <del></del>   | in        | -3.2           |
| 6   | Reach with Arms Horizontal and Forks Level                      | mm        | 1842           |
| _   |   | in        | 72.5           |
| 7   | Reach with Fork at Maximum Height                               | mm<br>in  | 963<br>37.9    |
| _   |   | mm        | 1874           |
| 8   | Ground to Top of Tine with Arms Horizontal and Fork Level       | in        | 73.8           |
| _   | Oncord to Tax of Tipe at Manipular Haints and Fade Lavel        | mm        | 4026           |
| 9   | Ground to Top of Tine at Maximum Height and Fork Level          | in        | 158.5          |
| 10  | Overall Height of Fork at Full Lift (top of carriage to ground) | mm        | 5066           |
| 10  | Overall Height of Fork at Full Lift (top of carriage to ground) | in        | 199.5          |
| 11  | Clearance at Full Lift and Max Dump                             | mm        | 1779           |
|     | Clearance at 1 dii Liit and Wax Bump                            | in        | 70.0           |
| 12  | Max Discharge Angle from Horizontal                             | deg       | 52             |
|     |   |           |                |
| 13  | Overall Carriage Width  | mm<br>in  | 2833<br>111.5  |
|     |   | mm        | 1130           |
| 14  | Overall Carriage Height   | in        | 44.5           |
|     | O L T MON / D   | mm        | 2483           |
| 15  | Outside Tine Width (max spread)                                 | in        | 97.8           |
| 16  | Outside Tine Width (min spread)                                 | mm        | 590            |
| 10  | Outside Title Width (Itilit spread)                             | in        | 23.2           |
|     | Tine Width (single tine)  | mm        | 180.0          |
|     | The Trial (onigio tillo)  | in        | 7.1            |
|     | Tine Thickness  | mm        | 90.0           |
|     |   | in        | 3.5            |
|     | Tine Capacity   | kq        | 11300          |
| _   | <u> </u>  | lbs       | 24905          |
|     | Operating Weight  | kq        | 20403<br>44967 |
|     |   | lbs       | 44907          |



\*Negative values indicate below grade

Payload (CEN EN 474-3 - Firm & Level







Lubricants, and Operator.

\*SAE - Society of Automotive Engineers
\*\*CEN - European Committee for

> WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

## **Material Handling Arm Specifications**

**Construction Fork, FUSION** 

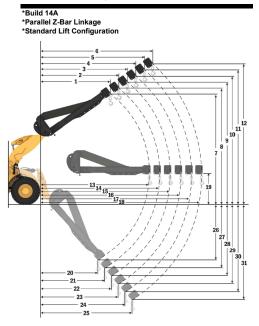
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Material Handling Arm, FUSION

6 Position

| MHA Specifications   |        | Retracted | Extension 1 | Extension 2             | Extension 3 | Extension 4 | Extended |
|--|--------|-----------|-------------|-------------------------|-------------|-------------|----------|
| WITA Specifications  | mm     | 2,386     | 2,539       | 2,692                   | 2,845       | 2.998       | 3,151    |
| Max Lift - Hook Eyelet Reach (1, 2, 3, 4, 5, 6)            |        | 2,300     | 2,559       | 2,092                   | 2,040       | 2,990       | 3,131    |
|  | ft, in | 7' 9"     | 8' 3"       | 8' 9"                   | 9' 4"       | 9' 10"      | 10' 4"   |
|  | mm     | 6,963     | 7,226       | 7,490                   | 7,754       | 8,017       | 8,281    |
| Max Lift - Hook Eyelet Height (7, 8, 9, 10, 11, 12)        | ft, in | 22' 10"   | 23' 8"      | 24' 6"                  | 25' 5"      | 26' 3"      | 27' 2"   |
|  | mm     | 4,708     | 5,013       | 5,317                   | 5,622       | 5,927       | 6,232    |
| Level - Hook Eyelet Reach (13, 14, 15, 16, 17, 18)         | ft, in | 15' 5"    | 16' 5"      | 17' 5"                  | 18' 5"      | 19' 5"      | 20' 5"   |
|  | mm     | 1,839     | 1,839       | 1,839                   | 1,839       | 1,839       | 1,839    |
| Level - Hook Eyelet Height (19)                            | ft, in | 6' 0.3"   | 6' 0.3"     | 6' 0.3"                 | 6' 0.3"     | 6' 0.3"     | 6' 0.3"  |
|  | mm     | 2,511     | 2,688       | 2,866                   | 3,043       | 3,221       | 3,399    |
| n Lift - Hook Eyelet Reach (20, 21, 22, 23, 24, 25)<br>ft, | ft, in | 8' 2"     | 8' 9"       | 9' 4"                   | 9' 11"      | 10' 6"      | 11' 1"   |
|  | mm     | (2,614)   | (2,862)     | (3,109)                 | (3,357)     | (3,605)     | (3,852)  |
| Min Lift - Hook Eyelet Height (26, 27, 28, 29, 30, 31)     | ft, in | -8' 5"    | -9' 7"      | -10' 9"                 | -11' 11"    | -11' 2"     | -12' 4"  |
|  | kg     | 6,554     | 6,205       | 5,890                   | 5,604       | 5,344       | 5,107    |
| Static Tipping Load, Straight                              | lb     | 14,446    | 13,675      | 75 12,981 12,351 11,779 | 11,255      |             |          |
|  | kg     | 5,665     | 5,362       | 5,088                   | 4,841       | 4,616       | 4,410    |
| Static Tipping Load, Articulated                           | lb     | 12,485    | 11,817      | 11,215                  | 10,669      | 10,173      | 9,719    |
| 0 5 40 11  | kg     | 19,550    | 19,550      | 19,550                  | 19,550      | 19,550      | 19,550   |
| Operating Weight   | lb     | 43,087    | 43,087      | 43,087                  | 43,087      | 43,087      | 43,087   |





NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

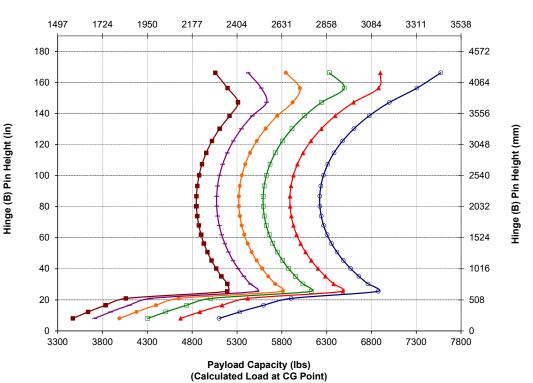
Specifications and ratings conform to the following standards: SAE\* J1197, ISO 14397-1

The rated operating load for a loader equipped with a material handling arm is determined by:

SAE J1197: 50% of full turn static tipping load or hydraulic limit.

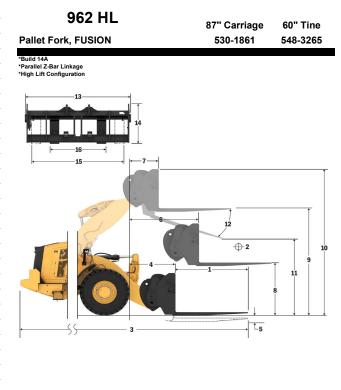
\*SAE - Society of Automotive Engineers

#### Payload Capacity (kg) (Calculated Load at CG Point)



#### **Fork Specifications**

|     | ik Opcomoduona  |           |               |
|-----|---|-----------|---------------|
| 1   | Tine Length   | mm        | 1524<br>60.0  |
|     |   | in<br>mm  | 762           |
| 2   | Load Center   | in        | 30.0          |
|     | Static Tipping Load - Straight (Forks Level)                    | kg        | 10229         |
|     | Otatic Tipping Load - Otraignt (Forks Lever)                    | lbs       | 22546         |
|     | Static Tipping Load - Articulated (Forks Level)                 | kg        | 8766          |
|     | 11 5 7  | lbs       | 19320         |
|     | Rated Load (SAE J1197 - 50% FTSTL)                              | kg<br>lbs | 4383<br>9660  |
|     |   | kg        | 5259          |
|     | Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)             | lbs       | 11592         |
|     | Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)     | kg        | 7013          |
|     | Nated Load (CEN EN 474-3 Film and Level Glound - 80 % F131L)    | lbs       | 15456         |
| 3   | Maximum Overall Length  | mm        | 9617          |
|     | maximam overall congli  | in        | 378.6         |
| 4   | Reach with Forks at Ground Level                                | mm        | 1699          |
| _   |   | in        | 66.9          |
| 5   | *Ground to Bottom of Tine at Minimum Height and Fork Level      | mm<br>in  | -167<br>-6.6  |
| _   |   | mm        | 2127          |
| 6   | Reach with Arms Horizontal and Forks Level                      | in        | 83.7          |
| 7   | Reach with Fork at Maximum Height                               | mm        | 1072          |
| ′   | Reach with Fork at Maximum Height                               | in        | 42.2          |
| 8   | Ground to Top of Tine with Arms Horizontal and Fork Level       | mm        | 1769          |
|     | Cround to 10p or this man rame riorizontal and 1 on 2010        | in        | 69.6          |
| 9   | Ground to Top of Tine at Maximum Height and Fork Level          | mm        | 4209          |
|     | <u> </u>  | in<br>mm  | 165.7<br>4984 |
| 10  | Overall Height of Fork at Full Lift (top of carriage to ground) | in        | 196.2         |
|     | 0   | mm        | 2884          |
| 11  | Clearance at Full Lift and Max Dump                             | in        | 113.5         |
| 12  | Max Discharge Angle from Horizontal                             | deg       | 44            |
| -12 | Wax Discharge Angle Iron Honzontal                              |           |               |
| 13  | Overall Carriage Width  | mm        | 2217          |
| _   |   | in        | 87.3          |
| 14  | Overall Carriage Height   | mm<br>in  | 840<br>33.1   |
|     |   | mm        | 2070          |
| 15  | Outside Tine Width (max spread)                                 | in        | 81.5          |
| 40  | Outside Tine Width (min spread)                                 | mm        | 470           |
| 10  | Outside Tine Width (min spread)                                 | in        | 18.5          |
|     | Tine Width (single tine)  | mm        | 150.0         |
|     | This Trial (onigio and)   | in        | 5.9           |
|     | Tine Thickness  | mm        | 65.0          |
|     |   | in        | 2.6<br>6300   |
|     | Tine Capacity   | kg<br>lbs | 13885         |
|     | 0 E W. H.   | kg        | 20463         |
|     | Operating Weight  | lbs       | 45101         |
|     |   |           |               |



- Payload (CEN EN 474-3 - Rough Terr

→ Payload (CEN EN 474-3 - Firm & Level)

#### Capacity (kg) (Calculated Load at CG Point)

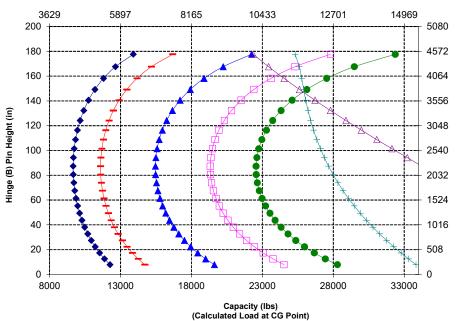


Specifications and ratings conform to the following standards: SAE\* J1197, ISO 14397-1, CEN\*\* EN 474-3.

The rated operating load for a loader equipped with a pallet fork is determined by:
SAE J1197: 50% of full turn static tipping load or hydraulic limit. CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.
CEN EN 474-3: 80% of full turn static tipping load on groups the static tipping load on the static limit.

tipping load on firm and level ground or hydraulic limit.

\*SAE - Society of Automotive Engineers \*\*CEN - European Committee for Standardization





WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

(B) Pin Height (mm)

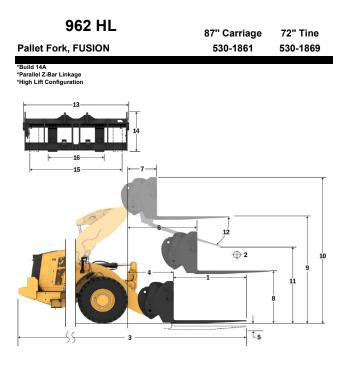
Hinge (f

<sup>\*</sup>Negative values indicate below grade

## **Fork Specifications**

#### **Fork Specifications**

| 1  | Tine Length   | mm<br>in  | 1830<br>72.0  |
|----|---|-----------|---------------|
| 2  | Load Center   | mm        | 915           |
|    | Load Center   | in        | 36.0          |
|    | Static Tipping Load - Straight (Forks Level)                    | kg<br>lbs | 9779<br>21554 |
|    |   | ka        | 8373          |
|    | Static Tipping Load - Articulated (Forks Level)                 | lbs       | 18455         |
|    | Rated Load (SAE J1197 - 50% FTSTL)                              | kg        | 4187          |
|    | Nated Load (OAL 31137 - 30 // 1101L)                            | lbs       | 9228          |
|    | Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)             | kg        | 5024          |
|    | , ,   | lbs       | 11073         |
|    | Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)     | kg<br>Ibs | 6699<br>14764 |
| _  |   | mm        | 9923          |
| 3  | Maximum Overall Length  | in        | 390.7         |
| 4  | Reach with Forks at Ground Level                                | mm        | 1699          |
| -  | Reach with Forks at Ground Level                                | in        | 66.9          |
| 5  | *Ground to Bottom of Tine at Minimum Height and Fork Level      | mm        | -167          |
|    | Croana to Bottom or this at miniman Holght and Fork 2010.       | in        | -6.6          |
| 6  | Reach with Arms Horizontal and Forks Level                      | mm        | 2127          |
|    |   | in        | 83.7          |
| 7  | Reach with Fork at Maximum Height                               | mm<br>in  | 1072<br>42.2  |
| _  |   | mm        | 1769          |
| 8  | Ground to Top of Tine with Arms Horizontal and Fork Level       | in        | 69.6          |
| 9  | Ground to Top of Tine at Maximum Height and Fork Level          | mm        | 4209          |
| 9  | Ground to Top of Time at Maximum Height and Fork Level          | in        | 165.7         |
| 10 | Overall Height of Fork at Full Lift (top of carriage to ground) | mm        | 4984          |
|    |   | in        | 196.2         |
| 11 | Clearance at Full Lift and Max Dump                             | mm<br>in  | 2672<br>105.2 |
|    | · · · · · · · · · · · · · · · · · · ·                           |           |               |
| 12 | Max Discharge Angle from Horizontal                             | deg       | 44            |
| 13 | Overall Carriage Width  | mm        | 2217          |
|    |   | in        | 87.3<br>840   |
| 14 | Overall Carriage Height   | mm<br>in  | 33.1          |
| 45 | Outside Time (Middle (many))                                    | mm        | 2070          |
| 15 | Outside Tine Width (max spread)                                 | in        | 81.5          |
| 16 | Outside Tine Width (min spread)                                 | mm        | 470           |
|    | Outside Time Width (Hill Spread)                                | in        | 18.5          |
|    | Tine Width (single tine)  | mm        | 150.0         |
|    |   | in        | 5.9           |
|    | Tine Thickness  | mm<br>in  | 65.0<br>2.6   |
|    |   | kg        | 5246          |
|    | Tine Capacity   | lbs       | 11562         |
|    | Operating Weight  | kg        | 20510         |
|    | Operating Weight  | lbs       | 45204         |



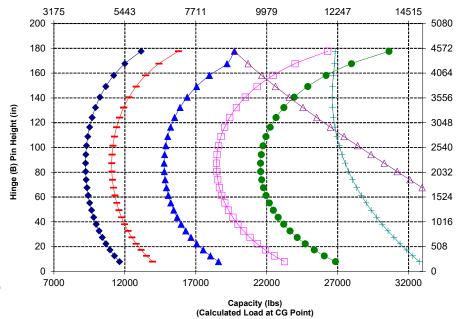
(B) Pin Height (mm)

Hinge (

--- Payload (CEN EN 474-3 - Rough Terrain

Payload (CEN EN 474-3 - Firm & Level

#### Capacity (kg) (Calculated Load at CG Point)



NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lutricasts and Operative Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE\* J1197, ISO 14397-1, CEN\*\* EN 474-3.

The rated operating load for a loader equipped with a pallet fork is determined by:
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CEN EN 474-3: 80% of full turn static tipping load on sough terrain or hydraulic limit.

tipping load on firm and level ground or hydraulic limit.

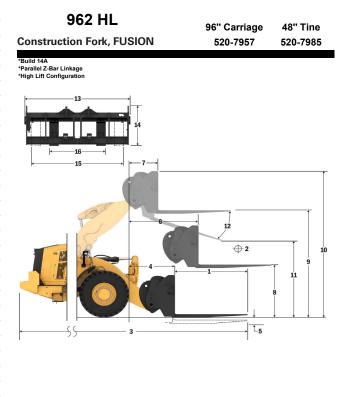
\*SAE - Society of Automotive Engineers \*\*CEN - European Committee for Standardization



<sup>\*</sup>Negative values indicate below grade

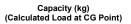
#### **Fork Specifications**

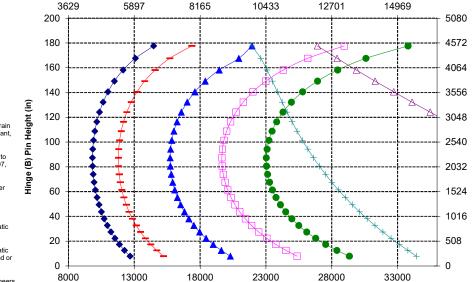
|    | ik opecilications   |           |                |
|----|---|-----------|----------------|
| 1  | Tine Length   | mm<br>in  | 1219<br>48.0   |
| 2  | Load Center   | mm        | 610            |
|    | Load Certier  | in        | 24.0           |
|    | Static Tipping Load - Straight (Forks Level)                    | kg        | 10444          |
|    |   | lbs<br>ka | 23019<br>8915  |
|    | Static Tipping Load - Articulated (Forks Level)                 | lbs       | 19648          |
|    | Rated Load (SAE J1197 - 50% FTSTL)                              | kg        | 4457           |
|    | Nated Load (SAE 31197 - 30 % F131L)                             | lbs       | 9824           |
|    | Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)             | kg        | 5349           |
|    | , ,   | lbs       | 11789<br>7132  |
|    | Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)     | kg<br>lbs | 15718          |
| _  | Manianana Oranali I an ath                                      | mm        | 9272           |
| 3  | Maximum Overall Length  | in        | 365.0          |
| 4  | Reach with Forks at Ground Level                                | mm        | 1659           |
|    | Treach with Forks at Ground Level                               | in        | 65.3           |
| 5  | *Ground to Bottom of Tine at Minimum Height and Fork Level      | mm        | -86            |
| _  | · <u> </u>  | in        | -3.4           |
| 6  | Reach with Arms Horizontal and Forks Level                      | mm<br>in  | 2119<br>83.4   |
|    |   | mm        | 1064           |
| 7  | Reach with Fork at Maximum Height                               | in        | 41.9           |
| 8  | Ground to Top of Tine with Arms Horizontal and Fork Level       | mm        | 1874           |
| ۰  | Glound to Top of Title with Arms Honzontal and Pork Level       | in        | 73.8           |
| 9  | Ground to Top of Tine at Maximum Height and Fork Level          | mm        | 4315           |
|    | Ordana to Top or Timo at Maximani Troight and Fork 2010.        | in        | 169.9          |
| 10 | Overall Height of Fork at Full Lift (top of carriage to ground) | mm        | 5355           |
|    | <u> </u>  | in<br>mm  | 210.8<br>3057  |
| 11 | Clearance at Full Lift and Max Dump                             | in        | 120.4          |
|    | M B: 1 A 1 ( 11 : 11  |           |                |
| 12 | Max Discharge Angle from Horizontal                             | deg       | 50             |
| 13 | Overall Carriage Width  | mm        | 2528           |
|    | Overall Guillage vilati   | in        | 99.5           |
| 14 | Overall Carriage Height   | mm        | 1130           |
|    |   | in        | 44.5<br>2178   |
| 15 | Outside Tine Width (max spread)                                 | mm<br>in  | 85.7           |
|    |   | mm        | 576            |
| 16 | Outside Tine Width (min spread)                                 | in        | 22.7           |
|    | Tine Width (single tine)  | mm        | 180.0          |
|    | Tille Vildui (single ulie)                                      | in        | 7.1            |
|    | Tine Thickness  | mm        | 90.0           |
| _  |   | in        | 3.5            |
|    | Tine Capacity   | kg        | 22200          |
| _  |   | lbs<br>kg | 48929<br>20772 |
|    | Operating Weight  | lbs       | 45782          |
| _  |   | IDS       | 70102          |



- Payload (CEN EN 474-3 - Rough Te

Payload (CEN EN 474-3 - Firm & Level)





Capacity (lbs) (Calculated Load at CG Point)

NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants and Operator. Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE\* J1197, ISO 14397-1, CEN\*\* EN 474-3.

The rated operating load for a loader equipped with a pallet fork is determined by: SAE J1197: 50% of full turn static tipping load or hydraulic limit. CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit. CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

\*SAE - Society of Automotive Engineers
\*\*CEN - European Committee for Standardization



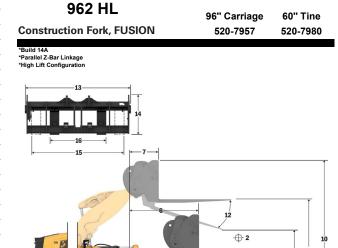
WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

<sup>\*</sup>Negative values indicate below grade

## **Fork Specifications**

#### **Fork Specifications**

|    | ik Opecinications   |          |             |
|----|---|----------|-------------|
| 1  | Tine Length   | mm       | 1524        |
|    |   | in<br>mm | 60.0<br>762 |
| 2  | Load Center   | in       | 30.0        |
|    |   | kg       | 9951        |
|    | Static Tipping Load - Straight (Forks Level)                        | lbs      | 21931       |
|    | 0.5 7   | kg       | 8483        |
|    | Static Tipping Load - Articulated (Forks Level)                     | lbs      | 18697       |
|    | Rated Load (SAE J1197 - 50% FTSTL)                                  | kg       | 4242        |
|    | Rated Load (SAE 31197 - 50% F151L)                                  | lbs      | 9349        |
|    | Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)                 | kg       | 5090        |
|    | Rated Load (CEN EN 474-3 Rough Terrain - 00 % F131L)                | lbs      | 11218       |
|    | Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)         | kg       | 6787        |
|    | Trated Load (OLIV LIV 474-31 IIIII and Level Gloding - 00 /01 101L) | lbs      | 14958       |
| 3  | Maximum Overall Length  | mm       | 9577        |
|    | Maximum Overali Eengur  | in       | 377.1       |
| 4  | Reach with Forks at Ground Level                                    | mm       | 1659        |
|    | Trodon man i onto de Grodina Euro                                   | in       | 65.3        |
| 5  | *Ground to Bottom of Tine at Minimum Height and Fork Level          | mm       | -86         |
|    | Ordana to Bottom or timo at timiliman riolgin and rom 2010          | in       | -3.4        |
| 6  | Reach with Arms Horizontal and Forks Level                          | mm       | 2119        |
|    | Trodon Mary and Front Street and Forto Service                      | in       | 83.4        |
| 7  | Reach with Fork at Maximum Height                                   | mm       | 1064        |
|    | Trought Mari on at maximum rought                                   | in       | 41.9        |
| 8  | Ground to Top of Tine with Arms Horizontal and Fork Level           | mm       | 1874        |
|    |   | in       | 73.8        |
| 9  | Ground to Top of Tine at Maximum Height and Fork Level              | mm       | 4315        |
|    | - 1   | in       | 169.9       |
| 10 | Overall Height of Fork at Full Lift (top of carriage to ground)     | mm       | 5355        |
|    |   | in       | 210.8       |
| 11 | Clearance at Full Lift and Max Dump                                 | mm       | 2823        |
|    | <u> </u>  | in       | 111.1       |
| 12 | Max Discharge Angle from Horizontal                                 | deg      | 50          |
|    |   | mm       | 2528        |
| 13 | Overall Carriage Width  | in       | 99.5        |
|    |   | mm       | 1130        |
| 14 | Overall Carriage Height   | in       | 44.5        |
|    |   | mm       | 2178        |
| 15 | Outside Tine Width (max spread)                                     | in       | 85.7        |
|    |   | mm       | 576         |
| 16 | Outside Tine Width (min spread)                                     | in       | 22.7        |
|    | T 140 H / 1 L 0 1   | mm       | 180.0       |
|    | Tine Width (single tine)  | in       | 7.1         |
|    | The Thisteries  | mm       | 90.0        |
|    | Tine Thickness  | in       | 3.5         |
|    | Ti Oit-   | ka       | 17800       |
|    | Tine Capacity   | lbs      | 39231       |
|    | Operating Weight  | ka       | 20838       |
|    | Operating Weight  | lbs      | 45927       |
|    |   |          |             |



Ĺ<sub>5</sub>

5080

4572

4064

3556

3048

2540

2032

1524

1016

508

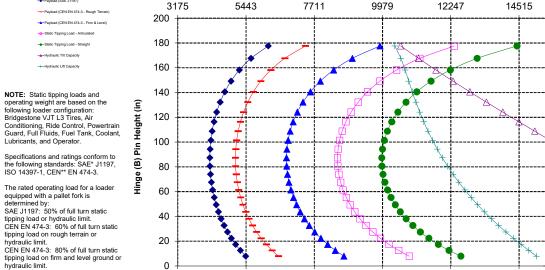
0

32000

Hinge (B) Pin Height (mm)

\*Negative values indicate below grade

## Capacity (kg) (Calculated Load at CG Point)



17000

\*SAE - Society of Automotive Engineers \*\*CEN - European Committee for Standardization

22000 Capacity (lbs) (Calculated Load at CG Point)

27000



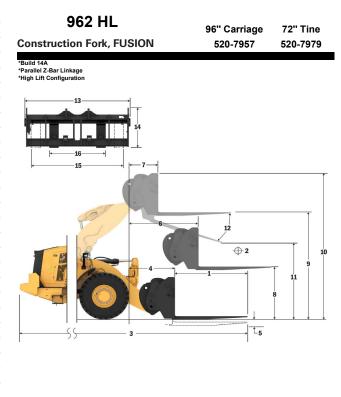
WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

7000

12000

#### **Fork Specifications**

|    | nk opecinications   |           |              |
|----|---|-----------|--------------|
| 1  | Tine Length   | mm<br>in  | 1829<br>72.0 |
| _  | 1 10 1  | mm        | 915          |
| 2  | Load Center   | in        | 36.0         |
|    | Static Tipping Load - Straight (Forks Level)                    | kg        | 9495         |
|    | Static Tipping Load - Straight (Forks Lever)                    | lbs       | 20926        |
|    | Static Tipping Load - Articulated (Forks Level)                 | kg        | 8085         |
|    | State Tipping Load Tracalated (Ferre Level)                     | lbs       | 17819        |
|    | Rated Load (SAE J1197 - 50% FTSTL)                              | kg        | 4043         |
|    |   | lbs<br>kg | 8910<br>4851 |
|    | Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)             | lbs       | 10692        |
|    |   | kg        | 6468         |
|    | Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)     | lbs       | 14256        |
| 3  | Maximum Overall Length  | mm        | 9882         |
| 3  | Maximum Overali Lengin  | in        | 389.1        |
| 4  | Reach with Forks at Ground Level                                | mm        | 1659         |
|    | Treach with Forks at Ground Level                               | in        | 65.3         |
| 5  | *Ground to Bottom of Tine at Minimum Height and Fork Level      | mm        | -86          |
|    | Ordana to Bottom of Timo at miniman Froight and Fork 2070.      | in        | -3.4         |
| 6  | Reach with Arms Horizontal and Forks Level                      | mm        | 2119         |
|    |   | in        | 83.4         |
| 7  | Reach with Fork at Maximum Height                               | mm        | 1064         |
|    | <u> </u>  | in<br>mm  | 41.9<br>1874 |
| 8  | Ground to Top of Tine with Arms Horizontal and Fork Level       | in        | 73.8         |
| _  |   | mm        | 4315         |
| 9  | Ground to Top of Tine at Maximum Height and Fork Level          | in        | 169.9        |
| 40 | Overall Height of Fork at Full Lift (top of carriage to ground) | mm        | 5355         |
| 10 | Overall neight of Fork at Full Lift (top of carnage to ground)  | in        | 210.8        |
| 11 | Clearance at Full Lift and Max Dump                             | mm        | 2589         |
|    | Clearance at Full Lift and Max Dump                             | in        | 101.9        |
| 12 | Max Discharge Angle from Horizontal                             | deg       | 50           |
|    | Wax Districting 7 (rigid from Fronzontal)                       |           |              |
| 13 | Overall Carriage Width  | mm        | 2528         |
|    |   | in<br>mm  | 99.5<br>1130 |
| 14 | Overall Carriage Height   | in        | 44.5         |
|    |   | mm        | 2178         |
| 15 | Outside Tine Width (max spread)                                 | in        | 85.7         |
| 40 | O. 4-14- Ti Width (i  | mm        | 576          |
| 16 | Outside Tine Width (min spread)                                 | in        | 22.7         |
|    | Tine Width (single tine)  | mm        | 180.0        |
|    | Tille Wider (Single tille)                                      | in        | 7.1          |
|    | Tine Thickness  | mm        | 90.0         |
|    | ***************************************                         | in        | 3.5          |
|    | Tine Capacity   | ka        | 14800        |
|    | · 1 · V   | lbs       | 32619        |
|    | Operating Weight  | kq        | 20899        |
|    | • •   | lbs       | 46061        |



- Payload (CEN EN 474-3 - Rough Ter

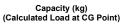
NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants and Operator.

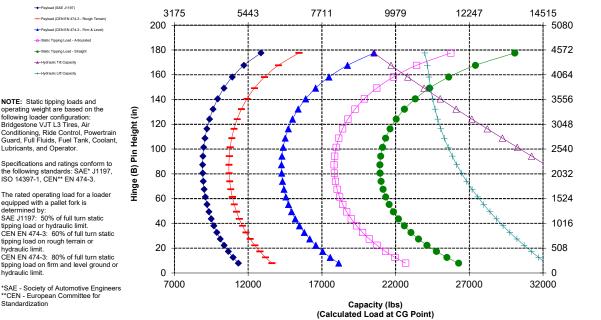
Specifications and ratings conform to the following standards: SAE\* J1197, ISO 14397-1, CEN\*\* EN 474-3.

The rated operating load for a loader equipped with a pallet fork is determined by: SAE J1197: 50% of full turn static tipping load or hydraulic limit. CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit. CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

Lubricants, and Operator.

Payload (CEN EN 474-3 - Firm & Level)







Standardization

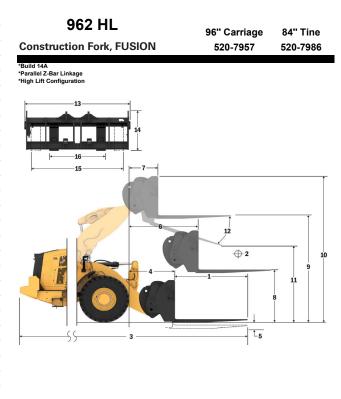
WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

<sup>\*</sup>Negative values indicate below grade

## **Fork Specifications**

#### **Fork Specifications**

| Static Tipping Load - Articulated (Forks Level)   kg 1994  |    | ik Opecinications   |     |       |
|--|----|---|-----|-------|
| 2   Load Center  | 1  | Tine Length   |     |       |
| Static Tipping Load - Straight (Forks Level)   |    | 1 1 0   |     |       |
| Static Tipping Load - Straight (Forks Level)   bs   19984  | 2  | Load Center   |     |       |
| Static Tipping Load - Articulated (Forks Level)   Right   Roger   Ro |    | Static Tipping Load - Straight (Forks Level)                    |     |       |
| Rated Load (SAE J1197 - 50% FTSTL)   Ibs   16994   Rated Load (SAE J1197 - 50% FTSTL)   Ibs   8497   Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)   Rq   4626   Ibs   10197   Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Rq   6169   Ibs   10367   1037   10387    |    | Citatio Tipping Load - Citatignt (1 Citto Level)                |     | 19984 |
| Rated Load (SAE J1197 - 50% FTSTL)   |    | Static Tipping Load - Articulated (Forks Level)                 |     |       |
| Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)   Bis   8497   |    | · · · · · · · · · · · · · · · · · · ·                           |     |       |
| Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)  |    | Rated Load (SAE J1197 - 50% FTSTL)                              |     |       |
| Rated Load (CEN EN 474-3 Rough Terrain - 00% FTSTL)   Ibs   10197  |    |   |     |       |
| Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   kg   6189   lbs   13583   lbs   1358 |    | Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)             |     |       |
| Bis   13595  |    | D-4-414 (OFN EN 474 0 Firm411 O4 000/ FTOTI )                   |     |       |
| Maximum Overall Length   In   401.1  |    | Rated Load (CEN EN 474-3 Firm and Level Ground - 80% F1S1L)     |     | 13595 |
| Reach with Forks at Ground Level   mm   165.3   mm   401.1   mm   65.3   mm   66.3   mm   65.3   mm   66.3   mm   65.3   mm   66.3   mm   61.3   mm  | -  | Maximum Ovorall Langth  | mm  | 10187 |
| Reach with Forks at Ground Level   in 65.3   mm -86   mm -86   mm -3.4   mm -3.5   m |    | Maximum Overali Lengui  | in  |       |
| 1  | 4  | Reach with Forks at Ground Level                                | mm  |       |
| Forume to Bottom of Time at Minimum Height and Fork Level   m   -3.4 mm   2119 mm    |    | Trought Will 1 onto at Ground Eever                             |     |       |
| Reach with Arms Horizontal and Forks Level   mm   21.4   mm   21.8   mm   21.9   mm   21 | 5  | *Ground to Bottom of Tine at Minimum Height and Fork Level      |     |       |
| 6         Reach with Fork at Maximum Height         in         83.4           7         Reach with Fork at Maximum Height         mm         108.4           8         Ground to Top of Tine with Arms Horizontal and Fork Level         mm         187.4           9         Ground to Top of Tine at Maximum Height and Fork Level         mm         4315           10         Overall Height of Fork at Full Lift (top of carriage to ground)         mm         5355           11         Clearance at Full Lift and Max Dump         mm         2355           12         Max Discharge Angle from Horizontal         deg         50           13         Overall Carriage Width         mm         2528           14         Overall Carriage Height         in         44.5           15         Outside Tine Width (max spread)         mm         177           16         Outside Tine Width (min spread)         mm         180.0           Tine Width (single tine)         mm         180.0           Tine Capacity         kq         20962   |    |   |     |       |
| 7         Reach with Fork at Maximum Height         mm 1064 in 41). 41         41.9           8         Ground to Top of Tine with Arms Horizontal and Fork Level         mm 1874 in 73.8           9         Ground to Top of Tine at Maximum Height and Fork Level         mm 4315 in 169.9           10         Overall Height of Fork at Full Lift (top of carriage to ground)         mm 536.0           11         Clearance at Full Lift and Max Dump         mm 210.8           12         Max Discharge Angle from Horizontal         deg 50           13         Overall Carriage Width         mm 2528           14         Overall Carriage Height         mm 2178           15         Outside Tine Width (max spread)         mm 2178           16         Outside Tine Width (min spread)         mm 576           17         mm 180.0         in 7.1           18         outside Tine Width (min spread)         mm 90.0           19         in 7.1           11         Tine Capacity         mm 90.0           10         in 3.5           11         Capacity         les 20962   | 6  | Reach with Arms Horizontal and Forks Level                      |     |       |
| Reacti with Fork at waximith Height   in   41.9   mm   1874   mm   73.8   mm   4315   mm |    |   |     |       |
| 8         Ground to Top of Tine with Arms Horizontal and Fork Level         mm / 1874 in 73.8 mm         4315 in 73.8 mm           9         Ground to Top of Tine at Maximum Height and Fork Level         mm 4315 in 169.9 mm         4315 in 169.9 mm           10         Overall Height of Fork at Full Lift (top of carriage to ground)         mm 530.8 mm         169.9 mm           11         Clearance at Full Lift and Max Dump         mm 20.2 mm         20.2 mm           12         Max Discharge Angle from Horizontal         deg 50         50           13         Overall Carriage Width         mm 2528 in 99.5 mm         99.5 mm           14         Overall Carriage Height         mm 1130 in 41.3 mm         17.8 mm           15         Outside Tine Width (max spread)         mm 2178 in 8.6 mm         17.8 mm           16         Outside Tine Width (min spread)         mm 576 in 22.7 mm         180.0 in 7.2 mm           Tine Width (single tine)         mm 180.0 in 7.3 mm         180.0 in 7.3 mm           Tine Capacity         mm 90.0 in 3.5 mm         180.0 mm           Coperation Weight         kg 20962   | 7  | Reach with Fork at Maximum Height                               |     |       |
| of Ground to Top of Time with Arms Horizontal and Fork Level         in 73.8 mm         431.5 mm         73.8 mm   |    | <u> </u>  |     |       |
| 9         Ground to Top of Tine at Maximum Height and Fork Level         mm 4315 in 169.9           10         Overall Height of Fork at Full Lift (top of carriage to ground)         mm 5355 in 210.8           11         Clearance at Full Lift and Max Dump         mm 202.7           12         Max Discharge Angle from Horizontal         deg 50           13         Overall Carriage Width         in 99.5           14         Overall Carriage Height         mm 1130           15         Outside Tine Width (max spread)         mm 2178 in 856           16         Outside Tine Width (min spread)         mm 576 in 22.7           Tine Width (single tine)         mm 180.0 in 7.7           Tine Thickness         mm 90.0 in 3.5           Tine Capacity         kg 21995           Operating Weight         kg 29962   | 8  | Ground to Top of Tine with Arms Horizontal and Fork Level       |     |       |
| 10   Overall Height of Fork at Full Lift (top of carriage to ground)   mm   535   10   11   Clearance at Full Lift and Max Dump   mm   2355   12   Max Discharge Angle from Horizontal   deg   50   13   Overall Carriage Width   mm   2528   mm   2 | _  |   |     |       |
| 10   Overall Height of Fork at Full Lift (top of carriage to ground)   mm   5355 in 210.8   1210.8   | 9  | Ground to Top of Tine at Maximum Height and Fork Level          |     |       |
| 11   Clearance at Full Lift and Max Dump   mm   231.8 mm   235.8 |    | O   |     |       |
| 11 Clearance at Full Lift and Max Dump   in   92.7     12 Max Discharge Angle from Horizontal   deg   50     13 Overall Carriage Width   mm   2528     14 Overall Carriage Height   mm   4130     15 Outside Tine Width (max spread)   mm   2178     16 Outside Tine Width (min spread)   mm   576     16 Outside Tine Width (min spread)   mm   576     17 Tine Width (single tine)   mm   180.0     18 Tine Thickness   mm   90.0     19 Tine Thickness   mm   90.0     10 Tine Capacity   kg   20962     10 Operating Weight   20962   20962     10 Operating Weight   20962   20962     10 Operating Weight   20062   20962     11 Operating Weight   20062   20062     12 Operating Weight   20062   20062     13 Overall Carriage Angle from Horizontal   20062     14 Overall Carriage Weight   20062     15 Operating Weight   20062     17 Operating Weight   20062     18 Operatin | 10 | Overall Height of Fork at Full Lift (top of carriage to ground) |     |       |
| 12 Max Discharge Angle from Horizontal         deg         50.           13 Overall Carriage Width         mm         2528 in         99.5           14 Overall Carriage Height         in         44.5         44.5           15 Outside Tine Width (max spread)         mm         1708 in         8.7           16 Outside Tine Width (min spread)         mm         576 in         12.7           Tine Width (single tine)         mm         180.0 in         3.5           Tine Thickness         mm         90.0 in         3.5           Tine Capacity         lbs         27991           Operating Weight         kg         20962  | 11 | Clearance at Full Lift and Max Dump                             | mm  |       |
| 13   Overall Carriage Width   mm   2528   in   99.5     14   Overall Carriage Height   mm   1317     15   Outside Tine Width (max spread)   mm   2178     16   Outside Tine Width (min spread)   mm   576   in   22.7     Tine Width (single tine)   mm   180.0   in   7.7     Tine Thickness   mm   90.0   in   3.5     Tine Capacity   kq   27962     Operating Weight   Queen   Q |    | Clearance at Full List and Max Dump                             | in  | 92.7  |
| 13   Overall Carriage Width   mm   2528   in   99.5     14   Overall Carriage Height   mm   1317     15   Outside Tine Width (max spread)   mm   2178     16   Outside Tine Width (min spread)   mm   576   in   22.7     Tine Width (single tine)   mm   180.0   in   7.7     Tine Thickness   mm   90.0   in   3.5     Tine Capacity   kq   27962     Operating Weight   Queen   Q | 12 | Max Discharge Angle from Horizontal                             | dea | 50    |
| 14 Overall Carriage Width  |    | Max Bisonarge 7 mgie nom monzonia                               |     |       |
| 14 Overall Carriage Height   | 13 | Overall Carriage Width  |     |       |
| 14 Overain Carnage Reight   in   44,5  |    |   |     |       |
| 15         Outside Tine Width (max spread)         mm ks 7 ks  | 14 | Overall Carriage Height   |     |       |
| 16 Outside Tine Width (min spread)   in 85.7   mm 576   m. 22.7     Tine Width (single tine)   mm 90.0   m. 9.5   m. 9.5   m. 90.0   m |    |   |     |       |
| 16 Outside Tine Width (min spread)         mm branch in 22.7         576 in 22.7           Tine Width (single tine)         mm 180.0 in 7.1           Tine Thickness         mm 90.3         90.3           Tine Capacity         ka 12.7           Operating Weight         kg 27991  | 15 | Outside Tine Width (max spread)                                 |     |       |
| Tine Width (single tine)   |    |   |     |       |
| Tine Width (single tine)         mm in 180.0 in 7.1 in 7.1           Tine Thickness         mm 90.0 in 3.5           Tine Capacity         ka 12794 ibs 27991           Operating Weight         kg 20962  | 16 | Outside Tine Width (min spread)                                 |     |       |
| Tine Width (single line)         in         7.1           Tine Thickness         mm         90.0           Tine Capacity         kq         12700           Operation Weight         kq         20962  |    | T. M.C. (1. 1. C. )   |     |       |
| 1  |    | Tine Width (single tine)  | in  | 7.1   |
| In 3.5   |    | Tino Thickness  | mm  | 90.0  |
| Operating Weight kg 20962  |    | THE THICKNESS   | in  | 3.5   |
| Operating Weight kg 20962  |    | Tine Canacity   | kg  | 12700 |
|  |    | Tino Oupdoity   | lbs | 27991 |
| lbs 46200  |    | Operating Weight  |     | 20962 |
|  |    | -1 5 5 "  | lbs | 46200 |

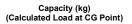


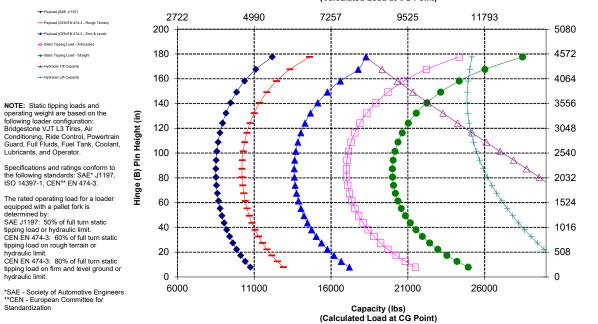
Hinge (B) Pin Height (mm)

-- Payload (CEN EN 474-3 - Rough Terr

Payload (CEN EN 474-3 - Firm & Level)

Lubricants, and Operator.





Standardization

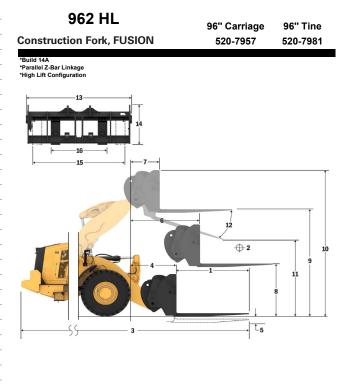
<sup>\*</sup>Negative values indicate below grade

#### **Fork Specifications**

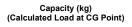
|     | ik Opcomodions  |           |               |
|-----|---|-----------|---------------|
| 1   | Tine Length   | mm<br>in  | 2438<br>96.0  |
| 2   | Load Center   | mm        | 1219          |
|     | Load Center   | in        | 48.0          |
|     | Static Tipping Load - Straight (Forks Level)                    | kg        | 8668          |
|     | , , , , , , , , , , , , , , , , , , ,                           | lbs<br>kg | 19105<br>7361 |
|     | Static Tipping Load - Articulated (Forks Level)                 | lbs       | 16225         |
|     | Rated Load (SAE J1197 - 50% FTSTL)                              | kg        | 3681          |
|     | Nated Load (SAE 31197 - 30 % F131L)                             | lbs       | 8112          |
|     | Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)             | kg        | 4417          |
|     | ,   | lbs       | 9735<br>5889  |
|     | Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)     | kg<br>lbs | 12980         |
| -   | Maximum Overell Length  | mm        | 10491         |
| 3   | Maximum Overall Length  | in        | 413.0         |
| 4   | Reach with Forks at Ground Level                                | mm        | 1659          |
|     |   | in        | 65.3          |
| 5   | *Ground to Bottom of Tine at Minimum Height and Fork Level      | mm<br>in  | -86<br>-3.4   |
| _   |   | mm        | 2119          |
| 6   | Reach with Arms Horizontal and Forks Level                      | in        | 83.4          |
| 7   | Reach with Fork at Maximum Height                               | mm        | 1064          |
|     | Treach with Fork at Maximum Fleight                             | in        | 41.9          |
| 8   | Ground to Top of Tine with Arms Horizontal and Fork Level       | mm        | 1874          |
|     | · · · · · · · · · · · · · · · · · · ·                           | in<br>mm  | 73.8<br>4315  |
| 9   | Ground to Top of Tine at Maximum Height and Fork Level          | in        | 169.9         |
| 10  | Overall Height of Fork at Full Lift (top of carriage to ground) | mm        | 5355          |
| -10 | Overall Height of Fork at Full Lift (top of carriage to ground) | in        | 210.8         |
| 11  | Clearance at Full Lift and Max Dump                             | mm        | 2122          |
|     | <u> </u>  | in        | 83.5          |
| 12  | Max Discharge Angle from Horizontal                             | deg       | 50            |
| 42  | Overall Carriage Width  | mm        | 2528          |
| -13 | Overall Carnage Width   | in        | 99.5          |
| 14  | Overall Carriage Height   | mm        | 1130          |
|     |   | in<br>mm  | 44.5<br>2178  |
| 15  | Outside Tine Width (max spread)                                 | in        | 85.7          |
| 40  | Outside Tine Width (min enreed)                                 | mm        | 576           |
| 10  | Outside Tine Width (min spread)                                 | in        | 22.7          |
|     | Tine Width (single tine)  | mm        | 180.0         |
|     | ,   | in        | 7.1           |
|     | Tine Thickness  | mm<br>in  | 90.0<br>3.5   |
|     | Tine Canacity   | ka        | 11300         |
|     | Tine Capacity   | lbs       | 24905         |
|     | Operating Weight  | kq        | 21024         |
|     | operating reagent   | lbs       | 46337         |
|     |   |           |               |

2722

4990

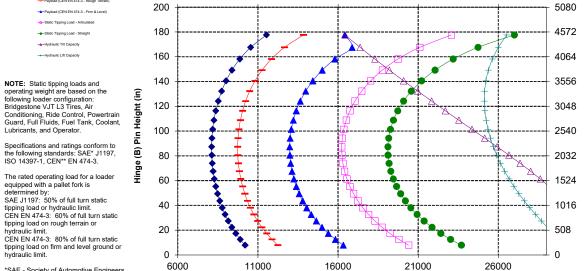


11793



Capacity (lbs) (Calculated Load at CG Point)

9525



7257

\*SAE - Society of Automotive Engineers \*\*CEN - European Committee for Standardization



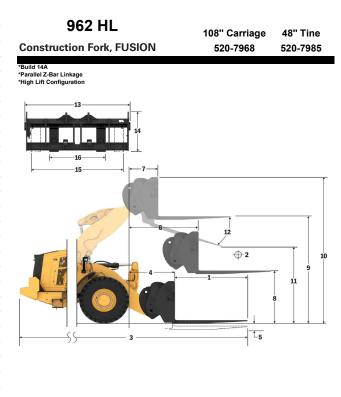
WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

<sup>\*</sup>Negative values indicate below grade

## **Fork Specifications**

#### **Fork Specifications**

| 1         Tine Length         mm         121 in a 48 at 1 in 48 at 24.0           2         Load Center         mm         610 in 24.0           Static Tipping Load - Straight (Forks Level)         lbs         24.0           Static Tipping Load - Articulated (Forks Level)         lbs         295           Rated Load (SAE J1197 - 50% FTSTL)         lbs         1955           Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)         lbs         177           Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)         lbs         1584           3         Maximum Overall Length         mm         207           4         Reach with Forks at Ground Level         mm         165           5         *Ground to Bottom of Tine at Minimum Height and Fork Level         mm         211           6         Reach with Arms Horizontal and Forks Level         mm         106           7         Reach with Fork at Maximum Height         mm         107           8         Ground to Top of Tine with Arms Horizontal and Fork Level         mm         107           9         Ground to Top of Tine at Maximum Height and Fork Level         mm         107           9         Ground to Top of Tine at Maximum Height and Fork Level         mm         107           10   |
|--|
| 2   Load Center  |
| 24.0   |
| Static Tipping Load - Straight (Forks Level)   Ibs   2292  |
| Static Tipping Load - Articulated (Forks Level)   Static Tipping Load (SAE J1197 - 50% FTSTL)   Static Tipping Load (SAE J1197 - 50% FTSTL)   Static Tipping Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)   Static Tipping Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Static Tipping Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Static Tipping Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Static Tipping Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Static Tipping Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Static Tipping Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Static Tipping Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Static Tipping Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Static Tipping Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Static Tipping Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Static Tipping Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Static Tipping Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Static Tipping Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Static Tipping Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Static Tipping Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Static Tipping Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Static Tipping Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Static Tipping Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Static Tipping Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL   Static Tipping Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL   Static Tipping Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL   Static Tipping Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL   Static Tipping Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL   Static Tipping Load (CEN EN 474-3 Firm and Level Ground - 80% |
| Static Tipping Load - Articulated (Forks Level)   Ibs   1955     Rated Load (SAE J1197 - 50% FTSTL)   Rq   543     Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)   Rq   532     Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Rq   709     Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Rq   709     Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Rq   709     Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Rq   709     Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Rq   709     Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Rq   709     Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Rq   709     Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Rq   709     Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Rq   709     Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Rq   709     Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Rq   709     Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Rq   709     Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Rq   709     Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Rq   709     Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Rq   709     Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Rq   709     Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Rq   709     Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Rq   709     Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Rq   709     Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Rq   709     Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Rq   709     Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Rq   709     Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL   Rq   709     Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL   Rq   709     Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL   Rq  |
| Rated Load (SAE J1197 - 50% FTSTL)   |
| Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)  |
| Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)         kg lbs         532 lbs         1173 lbs         1174 lbs         150 lbs         1174 lbs         150 lbs  |
| Rated Load (CEN EN 474-3 Rough Terrain - 00% FTSTL)   Ibs   1173     Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Ibs   1564     3   Maximum Overall Length   mm   927.   |
| Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)  |
| 158   1584   1587   1588   1584   1588   1584   1588   1584   1588   1584   1588   1584   1588   1584   1588   1584   1588   1 |
| Maximum Overall Length   In   365,   365,   365   4   Reach with Forks at Ground Level   In   65.5   5   6   Ground to Bottom of Tine at Minimum Height and Fork Level   In   -80   10    |
| Reach with Forks at Ground Level   mm   165.   mm   166.   mm    |
| 5         *Ground to Bottom of Tine at Minimum Height and Fork Level         in         65.5           6         Reach with Arms Horizontal and Forks Level         mm         211.           7         Reach with Fork at Maximum Height         mm         106.           8         Ground to Top of Tine with Arms Horizontal and Fork Level         mm         187.           9         Ground to Top of Tine at Maximum Height and Fork Level         mm         431.           10         Overall Height of Fork at Full Lift (top of carriage to ground)         mm         535.           11         Clearance at Full Lift and Max Dump         mm         30.           12         Max Discharge Angle from Horizontal         deg         50.           13         Overall Carriage Width         mm         283.           14         Overall Carriage Height         mm         283.           15         Outside Tine Width (max spread)         mm         249.   |
| 1  |
| 1   3.4  |
| 6         Reach with Arms Horizontal and Forks Level         mm         211 in 83 sq.           7         Reach with Fork at Maximum Height         in 41.5 mm         106 in 41.5 mm           8         Ground to Top of Tine with Arms Horizontal and Fork Level         im 73.6 mm         473.6 mm           9         Ground to Top of Tine at Maximum Height and Fork Level         im 73.6 mm         169.5 mm           10         Overall Height of Fork at Full Lift (top of carriage to ground)         im 210.6 mm         210.6 mm           11         Clearance at Full Lift and Max Dump         in 120.6 mm         23.6 mm           12         Max Discharge Angle from Horizontal         deg 50         50           13         Overall Carriage Width         in 111.6 mm         113.6 mm         111.1 mm           14         Overall Carriage Height         in 143.6 mm         129.6 mm   |
| Reach with Fork at Maximum Height         in mm 106 in 41.         83.4           8 Ground to Top of Tine with Arms Horizontal and Fork Level         mm 431 in 7.         187 in 73.2           9 Ground to Top of Tine at Maximum Height and Fork Level         mm 431 in 16.         43.1           10 Overall Height of Fork at Full Lift (top of carriage to ground)         mm 535 in 210.           11 Clearance at Full Lift and Max Dump         mm 320.           12 Max Discharge Angle from Horizontal         deg 50.           13 Overall Carriage Width         in 111.           14 Overall Carriage Height         in 111.           15 Outside Tine Width (max spread)         mm 249.           in 948.         mm 249.           in 194.         44.5  |
| 7         Reach with Fork at Maximum Height         mm (106) in (1) (1) (1) (1) (1) (1) (1) (1) (1) (1)  |
| React Will Fork at Maximum Height  |
| 8         Ground to Top of Tine with Arms Horizontal and Fork Level         mm         187.           9         Ground to Top of Tine at Maximum Height and Fork Level         mm         431.           10         Overall Height of Fork at Full Lift (top of carriage to ground)         mm         436.           11         Clearance at Full Lift and Max Dump         mm         30.           12         Max Discharge Angle from Horizontal         deg         50.           13         Overall Carriage Width         mm         26.           14         Overall Carriage Height         mm         11.           15         Outside Tine Width (max spread)         mm         249.   |
| 9         Ground to Top of Tine at Maximum Height and Fork Level         in Maximum Height and Fork Level         mm 431. mm 431. mm 431. mm 431. mm 431. mm 535. mm 535. mm 535. mm 535. mm 535. mm 120. mm 1305. mm 120. mm 1305. mm 120.  |
| 10   Overall Height of Fork at Full Lift (top of carriage to ground)   mm   535;   mm   536;   mm    |
| 10   Overall Height of Fork at Full Lift (top of carriage to ground)   mm   169.   mm    |
| 11   Clearance at Full Lift and Max Dump   mm   305   120   12   Max Discharge Angle from Horizontal   deg   50   13   Overall Carriage Width   mm   283   in   111   14   Overall Carriage Height   in   44   44   15   Outside Tine Width (max spread)   mm   249   15   Outside Tine Width (max spread)   mm   249   30   30   30   30   30   30   30   3   |
| 11         Clearance at Full Lift and Max Dump         In a 210.           12         Max Discharge Angle from Horizontal         deg 50.           13         Overall Carriage Width         In 111.           14         Overall Carriage Height         Im 13.           15         Outside Tine Width (max spread)         Im 249.   |
| 11 Clearance at Full Lift and wax Dump         in         120.           12 Max Discharge Angle from Horizontal         deg         50           13 Overall Carriage Width         mm         283.           14 Overall Carriage Height         mm         113.           15 Outside Tine Width (max spread)         mm         249.           in         948.         in         98.  |
| 12         Max Discharge Angle from Horizontal         deg         50           13         Overall Carriage Width         mm         283: min           14         Overall Carriage Height         mm         111: min           15         Outside Tine Width (max spread)         mm         249: min           15         Outside Tine Width (max spread)         mm         249: min   |
| 13         Overall Carriage Width         mm / in 11.         283 / in 111.           14         Overall Carriage Height         in 44.5           15         Outside Tine Width (max spread)         mm 249 / in 19.  |
| 13         Overall Carriage Wildth         in         111.           14         Overall Carriage Height         in         44.8           15         Outside Tine Wildth (max spread)         mm         249.           in         98.         in         98.  |
| 11   11   12   13   14   15   16   17   17   17   17   17   17   17  |
| 14 Overall carriage reight         in         44.5           15 Outside Tine Width (max spread)         mm         249.           in         98.   |
| 15 Outside Tine Width (max spread) in 44:. in 44:. in 249: in 98.  |
| in 98.1  |
| , , In 98.1  |
|  |
| 16 Outside Tine Width (min spread) mm 590 in 23.2  |
| mm 100   |
| Tine Width (single tine) in 7.1  |
| Tine Thickness mm 90.0   |
| in 3.5   |
| Tine Capacity kg 2220  |
| IDS 4892   |
| Operating Weight kg 2082   |
| lbs 4589   |



Hinge (B) Pin Height (mm)

Payload (CEN EN 474-3 - Firm & Level)

## Capacity (kg) (Calculated Load at CG Point)

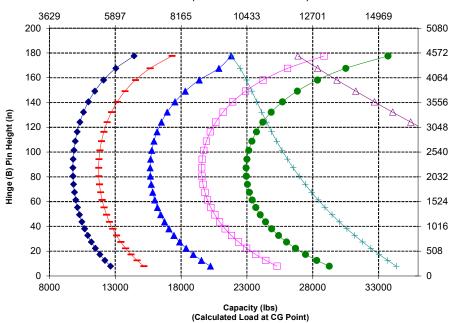


NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants and Operator. Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE\* J1197, ISO 14397-1, CEN\*\* EN 474-3.

The rated operating load for a loader equipped with a pallet fork is determined by: SAE J1197: 50% of full turn static tipping load or hydraulic limit. CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit. CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

\*SAE - Society of Automotive Engineers
\*\*CEN - European Committee for Standardization

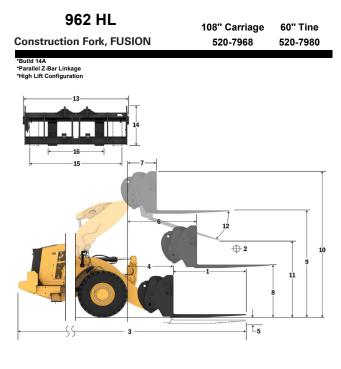




<sup>\*</sup>Negative values indicate below grade

#### **Fork Specifications**

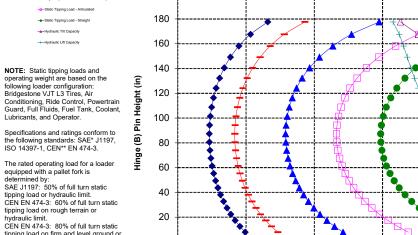
|    | ik opecinoations  |           |               |
|----|---|-----------|---------------|
| 1  | Tine Length   | mm<br>in  | 1524<br>60.0  |
| 2  | Load Center   | mm        | 762           |
|    | Load Center   | in        | 30.0          |
|    | Static Tipping Load - Straight (Forks Level)                    | kg        | 9914          |
|    | otatio ripping coda otraigit (romo corol)                       | lbs       | 21851         |
|    | Static Tipping Load - Articulated (Forks Level)                 | kg        | 8447<br>18617 |
|    | · · · · · · · · · · · · · · · · · · ·                           | lbs<br>kg | 4223          |
|    | Rated Load (SAE J1197 - 50% FTSTL)                              | lbs       | 9308          |
|    | D + 11  | ka        | 5068          |
|    | Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)             | lbs       | 11170         |
|    | Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)     | kg        | 6758          |
|    | Nated Load (CEN EN 474-3 Film and Level Glound - 60 % F131L)    | lbs       | 14894         |
| 3  | Maximum Overall Length  | mm        | 9577          |
|    | Muximum Overali Edilgar   | in        | 377.1         |
| 4  | Reach with Forks at Ground Level                                | mm        | 1659          |
|    |   | in        | 65.3          |
| 5  | *Ground to Bottom of Tine at Minimum Height and Fork Level      | mm        | -86<br>-3.4   |
|    | <u> </u>  | in<br>mm  | 2119          |
| 6  | Reach with Arms Horizontal and Forks Level                      | in        | 83.4          |
| _  | B 1 20 E 1 114 1 11111  | mm        | 1064          |
| 7  | Reach with Fork at Maximum Height                               | in        | 41.9          |
| 8  | Ground to Top of Tine with Arms Horizontal and Fork Level       | mm        | 1874          |
| •  | Glound to Top of Title with Arms Honzontal and Fork Level       | in        | 73.8          |
| 9  | Ground to Top of Tine at Maximum Height and Fork Level          | mm        | 4315          |
|    |   | in        | 169.9         |
| 10 | Overall Height of Fork at Full Lift (top of carriage to ground) | mm        | 5355          |
|    |   | in        | 210.8<br>2823 |
| 11 | Clearance at Full Lift and Max Dump                             | mm<br>in  | 111.1         |
|    |   |           |               |
| 12 | Max Discharge Angle from Horizontal                             | deg       | 50            |
| 13 | Overall Carriage Width  | mm        | 2833          |
|    | Overall Curriage vitati   | in        | 111.5         |
| 14 | Overall Carriage Height   | mm        | 1130          |
|    |   | in        | 44.5<br>2483  |
| 15 | Outside Tine Width (max spread)                                 | mm<br>in  | 97.8          |
|    |   | mm        | 590           |
| 16 | Outside Tine Width (min spread)                                 | in        | 23.2          |
|    | Tine Width (single tine)  | mm        | 180.0         |
|    | Tille Widil (Siligle tille)                                     | in        | 7.1           |
|    | Tine Thickness  | mm        | 90.0          |
|    | 1110 1110111000   | in        | 3.5           |
|    | Tine Capacity   | ka        | 17800         |
|    | * 1 7   | lbs       | 39231         |
|    | Operating Weight  | kg        | 20887         |
|    | <u> </u>  | lbs       | 46035         |



-Payload (CEN EN 474-3 - Firm & Level



Capacity (lbs) (Calculated Load at CG Point)



Hinge (B) Pin Height (mm)

tipping load on firm and level ground or hydraulic limit.





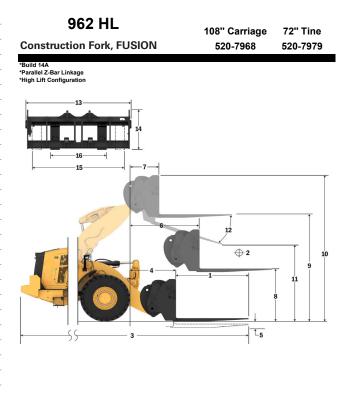
WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

<sup>\*</sup>Negative values indicate below grade

## **Fork Specifications**

#### **Fork Specifications**

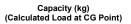
|     | ik Opecinications   |           |               |
|-----|---|-----------|---------------|
| 1   | Tine Length   | mm        | 1829<br>72.0  |
|     | Load Center   | in<br>mm  | 915           |
|     | Load Center   | in        | 36.0          |
|     | Static Tipping Load - Straight (Forks Level)                    | kg        | 9459          |
|     |   | lbs       | 20847         |
|     | Static Tipping Load - Articulated (Forks Level)                 | kg<br>Ibs | 8049<br>17740 |
|     | D   | kg        | 4024          |
|     | Rated Load (SAE J1197 - 50% FTSTL)                              | lbs       | 8870          |
|     | Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)             | kg        | 4829          |
|     | Nated Edad (OEN EN 474-3 Nough Terrain - 00 /01 101E)           | lbs       | 10644         |
|     | Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)     | kg        | 6439          |
|     | ,   | lbs<br>mm | 14192<br>9882 |
| 3   | Maximum Overall Length  | in        | 389.1         |
| _   | Reach with Forks at Ground Level                                | mm        | 1659          |
| 4   | Reach with Forks at Ground Level                                | in        | 65.3          |
| 5   | *Ground to Bottom of Tine at Minimum Height and Fork Level      | mm        | -86           |
|     | Ground to Bottom or time at Minimum Height and Fork Eever       | in        | -3.4          |
| 6   | Reach with Arms Horizontal and Forks Level                      | mm        | 2119          |
| _   |   | in        | 83.4<br>1064  |
| 7   | Reach with Fork at Maximum Height                               | mm<br>in  | 41.9          |
| _   | One would be Too of Time with Annual Haring and Food Lawy       | mm        | 1874          |
| 8   | Ground to Top of Tine with Arms Horizontal and Fork Level       | in        | 73.8          |
| 9   | Ground to Top of Tine at Maximum Height and Fork Level          | mm        | 4315          |
|     |   | in        | 169.9         |
| 10  | Overall Height of Fork at Full Lift (top of carriage to ground) | mm<br>in  | 5355<br>210.8 |
|     |   | mm        | 2589          |
| 11  | Clearance at Full Lift and Max Dump                             | in        | 101.9         |
| 12  | Max Discharge Angle from Horizontal                             |           | 50            |
| -12 | Max Discharge Angle Iron Horizontal                             | deg       |               |
| 13  | Overall Carriage Width  | mm        | 2833          |
| _   | · · · <u>v</u>  | in<br>mm  | 111.5<br>1130 |
| 14  | Overall Carriage Height   | in        | 44.5          |
|     |   | mm        | 2483          |
| 15  | Outside Tine Width (max spread)                                 | in        | 97.8          |
| 16  | Outside Tine Width (min spread)                                 | mm        | 590           |
|     | Odiside Tille Width (Illin Spread)                              | in        | 23.2          |
|     | Tine Width (single tine)  | mm        | 180.0         |
|     | , ,   | in        | 7.1<br>90.0   |
|     | Tine Thickness  | mm<br>in  | 3.5           |
| _   | Ti 0it-   | ka        | 14800         |
|     | Tine Capacity   | lbs       | 32619         |
|     | Operating Weight  | kg        | 20949         |
|     | Operating Weight  | lbs       | 46172         |
|     |   |           |               |

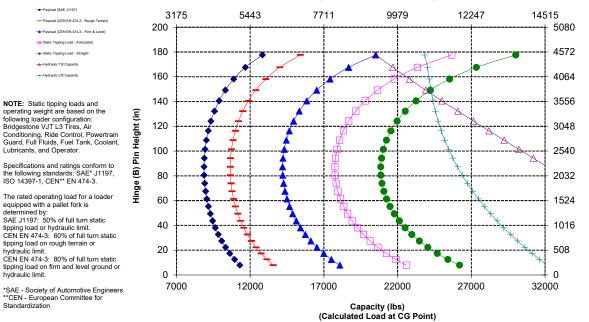


Hinge (B) Pin Height (mm)

-- Payload (CEN EN 474-3 - Rough Terr

Payload (CEN EN 474-3 - Firm & Level)





The rated operating load for a loader equipped with a pallet fork is determined by: SAE J1197: 50% of full turn static tipping load or hydraulic limit. CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit. CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit. \*SAE - Society of Automotive Engineers
\*\*CEN - European Committee for Standardization

Lubricants, and Operator.

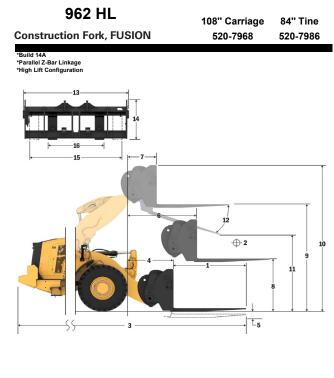
Specifications and ratings conform to the following standards: SAE\* J1197, ISO 14397-1, CEN\*\* EN 474-3.



<sup>\*</sup>Negative values indicate below grade

#### **Fork Specifications**

|    | ik Opcomounons  |           |               |
|----|---|-----------|---------------|
| 1  | Tine Length   | mm        | 2134<br>84.0  |
| 2  | Load Center   | in<br>mm  | 1067          |
|    | Load Center   | in        | 42.0          |
|    | Static Tipping Load - Straight (Forks Level)                    | kg        | 9033          |
|    | otatio ripping 2000 ottaignt (1 onto 2010)                      | lbs       | 19909         |
|    | Static Tipping Load - Articulated (Forks Level)                 | kg        | 7677<br>16920 |
|    |   | lbs<br>kg | 3838          |
|    | Rated Load (SAE J1197 - 50% FTSTL)                              | lbs       | 8460          |
|    | D + 11  | ka        | 4606          |
|    | Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)             | lbs       | 10152         |
|    | Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)     | kg        | 6142          |
|    | Rated Load (CEN EN 474-3 Fill and Level Glound - 60 % F131L)    | lbs       | 13536         |
| 3  | Maximum Overall Length  | mm        | 10187         |
| _  | Muximum Overali Edilgan   | in        | 401.1         |
| 4  | Reach with Forks at Ground Level                                | mm        | 1659          |
|    |   | in        | 65.3          |
| 5  | *Ground to Bottom of Tine at Minimum Height and Fork Level      | mm        | -86<br>-3.4   |
| _  | <u> </u>  | in<br>mm  | 2119          |
| 6  | Reach with Arms Horizontal and Forks Level                      | in        | 83.4          |
| _  |   | mm        | 1064          |
| 7  | Reach with Fork at Maximum Height                               | in        | 41.9          |
| 8  | Ground to Top of Tine with Arms Horizontal and Fork Level       | mm        | 1874          |
| ۰  | Ground to Top of Title with Arms Horizontal and Fork Level      | in        | 73.8          |
| 9  | Ground to Top of Tine at Maximum Height and Fork Level          | mm        | 4315          |
| _  | Ordana to Top of Time at Maximan Thoight and Tork Edvor         | in        | 169.9         |
| 10 | Overall Height of Fork at Full Lift (top of carriage to ground) | mm        | 5355          |
| _  | - 0 (1 0 0 /  | in        | 210.8         |
| 11 | Clearance at Full Lift and Max Dump                             | mm        | 2355          |
|    | <u> </u>  | in        | 92.7          |
| 12 | Max Discharge Angle from Horizontal                             | deg       | 50            |
| 13 | Overall Carriage Width  | mm        | 2833          |
|    | Overall Carriage virtui   | in        | 111.5         |
| 14 | Overall Carriage Height   | mm        | 1130          |
|    |   | in        | 44.5<br>2483  |
| 15 | Outside Tine Width (max spread)                                 | mm<br>in  | 97.8          |
|    |   | mm        | 590           |
| 16 | Outside Tine Width (min spread)                                 | in        | 23.2          |
|    | Tine Width (single tine)  | mm        | 180.0         |
|    | Title Width (Single title)                                      | in        | 7.1           |
|    | Tine Thickness  | mm        | 90.0          |
|    | THE INICIALOG   | in        | 3.5           |
|    | Tine Capacity   | kq        | 12700         |
|    |   | lbs       | 27991         |
|    | Operating Weight  | kq        | 21011         |
|    | · · ·   | lbs       | 46308         |

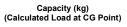


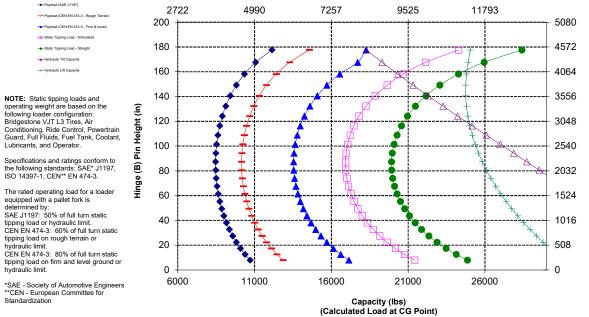
-Payload (CEN EN 474-3 - Firm & Level

NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE\* J1197, ISO 14397-1, CEN\*\* EN 474-3.

Lubricants, and Operator.







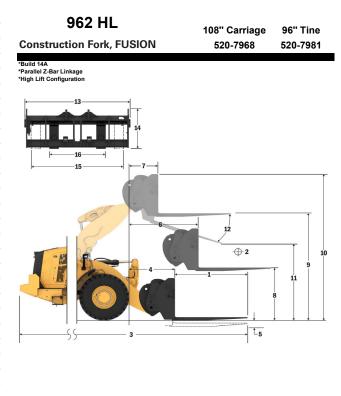
WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

<sup>\*</sup>Negative values indicate below grade

## **Fork Specifications**

#### **Fork Specifications**

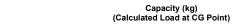
|    | nk opecinications   |           |                |
|----|---|-----------|----------------|
| 1  | Tine Length   | mm<br>in  | 2438<br>96.0   |
|    |   | mm        | 1219           |
| 2  | Load Center   | in        | 48.0           |
|    | Static Tipping Load - Straight (Forks Level)                    | kg        | 8635           |
|    | Static Tipping Load - Straight (Forks Level)                    | lbs       | 19031          |
|    | Static Tipping Load - Articulated (Forks Level)                 | kg        | 7328           |
|    | Otalic Tipping Load - Articulated (Forks Level)                 | lbs       | 16151          |
|    | Rated Load (SAE J1197 - 50% FTSTL)                              | kg        | 3664           |
|    | 114104 2044 (0/12 0110) 00/01 1012)                             | lbs       | 8075           |
|    | Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)             | kg        | 4397           |
|    |   | lbs       | 9691           |
|    | Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)     | kg        | 5862           |
|    | (   | lbs       | 12921          |
| 3  | Maximum Overall Length  | mm        | 10491          |
|    |   | in        | 413.0          |
| 4  | Reach with Forks at Ground Level                                | mm        | 1659           |
|    |   | in        | 65.3           |
| 5  | *Ground to Bottom of Tine at Minimum Height and Fork Level      | mm        | -86<br>-3.4    |
|    | <u> </u>  | in        | 2119           |
| 6  | Reach with Arms Horizontal and Forks Level                      | mm<br>in  |                |
|    |   | mm        | 83.4<br>1064   |
| 7  | Reach with Fork at Maximum Height                               | in        | 41.9           |
|    |   | mm        | 1874           |
| 8  | Ground to Top of Tine with Arms Horizontal and Fork Level       | in        | 73.8           |
| _  | 0 11 7 77 111 1 15 11 1   | mm        | 4315           |
| 9  | Ground to Top of Tine at Maximum Height and Fork Level          | in        | 169.9          |
| 40 | Overall Height of Fork at Full Lift (top of carriage to ground) | mm        | 5355           |
| 10 | Overall neight of Fork at Full Lift (top of carnage to ground)  | in        | 210.8          |
| 44 | Clearance at Full Lift and Max Dump                             | mm        | 2122           |
| 11 | Clearance at Full Lift and Max Dump                             | in        | 83.5           |
| 12 | Max Discharge Angle from Horizontal                             | doa       | 50             |
| 12 | Max Discharge Angle Iron Honzontal                              | deg       | 30             |
| 12 | Overall Carriage Width  | mm        | 2833           |
|    | Overall Carriage Width  | in        | 111.5          |
| 14 | Overall Carriage Height   | mm        | 1130           |
|    | Overall Carriage Height   | in        | 44.5           |
| 15 | Outside Tine Width (max spread)                                 | mm        | 2483           |
|    | /   | in        | 97.8           |
| 16 | Outside Tine Width (min spread)                                 | mm        | 590            |
|    | - ' ' '   | in        | 23.2           |
|    | Tine Width (single tine)  | mm        | 180.0          |
|    | /   | in        | 7.1            |
|    | Tine Thickness  | mm        | 90.0           |
|    |   | in        | 3.5            |
|    | Tine Capacity   | kg        | 11300          |
|    |   | lbs       | 24905<br>21074 |
|    | Operating Weight  | ka<br>Ibs | 46447          |
|    |   | เมธ       | +044/          |

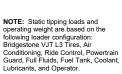


Hinge (B) Pin Height (mm)

- Payload (CEN EN 474-3 - Rough Ter

Payload (CEN EN 474-3 - Firm & Level)

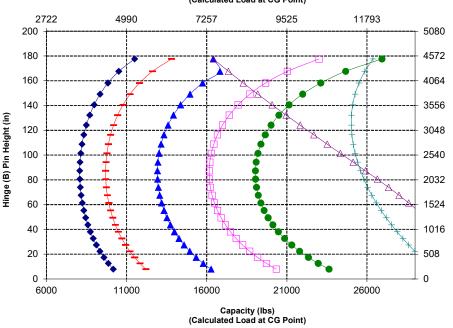




Specifications and ratings conform to the following standards: SAE\* J1197, ISO 14397-1, CEN\*\* EN 474-3.

The rated operating load for a loader equipped with a pallet fork is determined by: SAE J1197: 50% of full turn static tipping load or hydraulic limit. CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit. CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

\*SAE - Society of Automotive Engineers
\*\*CEN - European Committee for Standardization

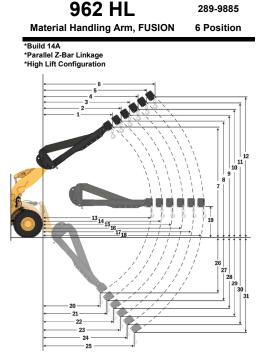




<sup>\*</sup>Negative values indicate below grade

## **Material Handling Arm Specifications**

| MHA Specifications                                     |        | Retracted | Extension 1 | Extension 2 | Extension 3 | Extension 4 | Extended |
|--|--------|-----------|-------------|-------------|-------------|-------------|----------|
| Max Lift - Hook Eyelet Reach (1, 2, 3, 4, 5, 6)        | mm     | 2,460     | 2,611       | 2,761       | 2,912       | 3,062       | 3,213    |
| wax Lift - Hook Eyelet Neach (1, 2, 3, 4, 3, 0)        | ft, in | 8' 0"     | 8' 6"       | 9' 0"       | 9' 6"       | 10' 0"      | 10' 6"   |
| Max Lift - Hook Eyelet Height (7, 8, 9, 10, 11, 12)    | mm     | 7,270     | 7,535       | 7,800       | 8,065       | 8,330       | 8,595    |
| wax Litt - Hook Eyelet Height (7, 6, 9, 10, 11, 12)    | ft, in | 23' 10"   | 24' 8"      | 25' 7"      | 26' 5"      | 27' 3"      | 28' 2"   |
| Level - Hook Eyelet Reach (13, 14, 15, 16, 17, 18)     | mm     | 4,985     | 5,290       | 5,595       | 5,900       | 6,204       | 6,509    |
| Level - Hook Eyelet Reach (13, 14, 15, 16, 17, 18)     | ft, in | 16' 4"    | 17' 4"      | 18' 4"      | 19' 4"      | 20' 4"      | 21' 4"   |
| Level - Hook Eyelet Height (19)                        | mm     | 1,839     | 1,839       | 1,839       | 1,839       | 1,839       | 1,839    |
| Level - Hook Eyelet Height (19)                        | ft, in | 6' 0.3"   | 6' 0.3"     | 6' 0.3"     | 6' 0.3"     | 6' 0.3"     | 6' 0.3"  |
| Min Lift - Hook Eyelet Reach (20, 21, 22, 23, 24, 25)  | mm     | 2,812     | 2,987       | 3,161       | 3,336       | 3,510       | 3,685    |
| Will Litt - Hook Eyelet Reach (20, 21, 22, 23, 24, 23) | ft, in | 9' 2"     | 9' 9"       | 10' 4"      | 10' 11"     | 11' 6"      | 12' 1"   |
| Min Lift - Hook Eyelet Height (26, 27, 28, 29, 30, 31) | mm     | (2,641)   | (2,891)     | (3,141)     | (3,391)     | (3,641)     | (3,891)  |
| MIN LIII - HOOK Eyelet Height (26, 27, 26, 29, 30, 31) | ft, in | -8' 4"    | -9' 6"      | -10' 8"     | -11' 10"    | -11' 0"     | -12' 2"  |
| Chair Timing Land Chairba                              | kg     | 6,611     | 6,275       | 5,970       | 5,693       | 5,439       | 5,207    |
| Static Tipping Load, Straight                          | lb     | 14,572    | 13,830      | 13,158      | 12,547      | 11,988      | 11,476   |
| Static Tipping Load, Articulated                       | kg     | 5,681     | 5,391       | 5,128       | 4,889       | 4,671       | 4,470    |
|  | lb     | 12,522    | 11,882      | 11,303      | 10,776      | 10,295      | 9,853    |
| Occasion Weight  | kg     | 20,221    | 20,221      | 20,221      | 20,221      | 20,221      | 20,221   |
| Operating Weight                                       | lb     | 44,567    | 44,567      | 44,567      | 44,567      | 44,567      | 44,567   |





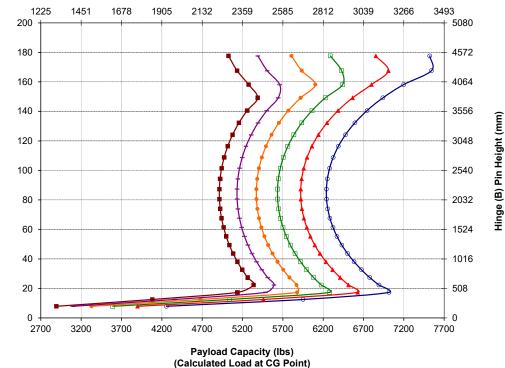
NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, FuelTank, Coolant, Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE\* J1197, ISO 14397-1 Hinge (B) Pin Height (in)

The rated operating load for a loader equipped with a material handling arm is determined by:
SAE J1197: 50% of full turn static tipping load or hydraulic limit.

\*SAE - Society of Automotive Engineers

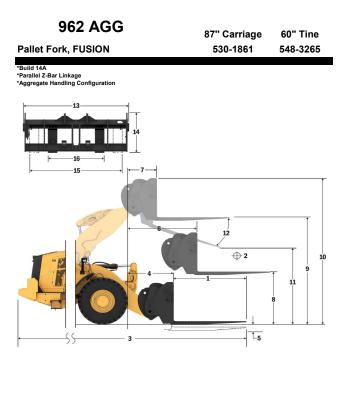
## Payload Capacity (kg) (Calculated Load at CG Point)



## **Fork Specifications**

#### **Fork Specifications**

| Rated Load (SAE J1197 - 50% FTSTL)   |    | ik opecinications  |     |       |
|--|----|--|-----|-------|
| 2   Load Center  | 1  | Tine Length  |     |       |
| Static Tipping Load - Straight (Forks Level)   Kg   11282  | ,  | Load Contor  |     |       |
| Static Tipping Load - Straight (Forks Level)   Ibs   24865   |    | Load Certier   |     |       |
| Static Tipping Load - Articulated (Forks Level)   kg   9700   lbs   21372   Rated Load (SAE J1197 - 50% FTSTL)   kg   4850   10680   |    | Static Tipping Load - Straight (Forks Level)                         |     |       |
| Rated Load (SAE J1197 - 50% FTSTL)   Rated Load (SAE J1197 - 50% FTSTL)   Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)   Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Rated Load (CEN EN 478-4 Firm - 9294   Rated Load (CEN  |    |  |     |       |
| Rated Load (SAE J1197 - 50% FTSTL)   kg   4850   1689   1680    |    | Static Tipping Load - Articulated (Forks Level)                      |     | 21379 |
| Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)  |    | Pated Load (SAE 11107 - 50% ETSTL)                                   |     |       |
| Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)   Ibs   12828  |    | Trated Load (SAL 31197 - 30 % 1 TOTL)                                |     | 10690 |
| Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)  |    | Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)                  |     |       |
| State   Coad (CEN EN 474-5 Firm and Level Ground - 80% F1S1L)   Ibs   17103  |    | , ,  |     |       |
| 3         Maximum Overall Length         mm 9294 in 39294 in 3859.           4         Reach with Forks at Ground Level         mm 1376 in 54.2 mm 1376 in 54.2 mm 1576.           5         "Ground to Bottom of Tine at Minimum Height and Fork Level         mm 168.4 mm 16.4 mm 18.4 mm 17.2.8 mm 17.2.8 mm 18.2 mm 18.2 mm 19.2 mm 18.2 mm 19.2 mm 18.2 mm 19.2   |    | Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)          |     |       |
| Maximum Overall Length   In   365.9   A   Reach with Forks at Ground Level   In   34.2   S   *Ground to Bottom of Tine at Minimum Height and Fork Level   In   54.2   In   6   Reach with Arms Horizontal and Forks Level   In   16.4   In   16.4   In   16.5    | _  |  |     |       |
| 1  | 3  | Maximum Overali Length   | in  | 365.9 |
| 5         "Ground to Bottom of Tine at Minimum Height and Fork Level         in 54.2 mm -161.1 mm -164.1   | 4  | Peach with Forks at Ground Level                                     | mm  | 1376  |
| 1  |    | Treach with Forks at Cround Level                                    | in  |       |
| 1  | 5  | *Ground to Bottom of Tine at Minimum Height and Fork Level           |     |       |
| Reach with Fork at Maximum Height  |    |  |     |       |
| 7         Reach with Fork at Maximum Height         mm 971 in 382.0         97.0         98.0         99.0         Ground to Top of Tine with Arms Horizontal and Fork Level         mm 1769 in 69.6         99.0         99.0         Ground to Top of Tine at Maximum Height and Fork Level         mm 392.0         392.0         in 154.3         mm 484.9         154.3         mm 484.9         16.0         16.0         16.0         17.0         17.0         18.4.9         mm 49.1         17.0         18.4.9         19.0 <th< td=""><td>6</td><td>Reach with Arms Horizontal and Forks Level</td><td></td><td></td></th<>   | 6  | Reach with Arms Horizontal and Forks Level                           |     |       |
| Reach with Fork at Maximum Height   in   38.2   mm   1769   n   69.6   n    |    |  |     |       |
| 8         Ground to Top of Tine with Arms Horizontal and Fork Level         mm (9,6) (6,9) (6,9)         general representation of the second of the   | 7  | Reach with Fork at Maximum Height                                    |     |       |
| 9   Ground to Top of Tine at Maximum Height and Fork Level   mm   39.50 in   154.3   mm   454.3   mm   454.9   mm   454.9   mm   450.0   mm   450. | _  | Constitution of Tax of Time with Association and I and I and I and I |     |       |
| 154.3   154. | 8  | Ground to Top of Tine with Arms Horizontal and Fork Level            | in  | 69.6  |
| 10   Overall Height of Fork at Full Lift (top of carriage to ground)   mm   484.9   mm   484.9 | 9  | Ground to Top of Tine at Maximum Height and Fork Level               | mm  |       |
| 11   Clearance at Full Lift and Max Dump   mm   184.9   mm   184.1   |    | ordana to rop or rine at Maximum rioignt and ronk Ecver              |     |       |
| 11 Clearance at Full Lift and Max Dump         mm         2556           12 Max Discharge Angle from Horizontal         deg         def           13 Overall Carriage Width         mm         2217           14 Overall Carriage Height         mm         87.3           15 Outside Tine Width (max spread)         mm         2070           16 Outside Tine Width (min spread)         mm         470           17 Ine Width (single tine)         mm         150.0           18 Tine Thickness         mm         65.0           19 Tine Capacity         kg         6000           Operating Weight         kg         2085  | 10 | Overall Height of Fork at Full Lift (top of carriage to ground)      |     |       |
| 11   Clearance at Full Litt and Max Dump   in   100.6     12   Max Discharge Angle from Horizontal   deg   46     13   Overall Carriage Width   mm   2217     14   Overall Carriage Height   mm   84.0     15   Outside Tine Width (max spread)   mm   2070     16   Outside Tine Width (min spread)   mm   47.0     17   In   18.0   mm   150.0     18   Tine Width (single tine)   mm   150.0     19   Tine Thickness   mm   65.0     10   Tine Capacity   kg   3086     10   Operating Weight   88   2086     10   Constitute Weight   88     11   Constitute Weight   88     12   Constitute Weight   88     13   Constitute Weight   88     14   Constitute Weight   88     15   Constitute Weight   88     16   Constitute Weight   88     17   Constitute Weight   88     17   Constitute Weight   88     18   Constitute W |    |  |     |       |
| 12         Max Discharge Angle from Horizontal         deg         46           13         Overall Carriage Width         mm         2217           14         Overall Carriage Height         mm         84.0           15         Outside Tine Width (max spread)         mm         87.0           16         Outside Tine Width (min spread)         mm         470           1         in         18.5           Tine Width (single tine)         mm         150.0           Tine Thickness         mm         65.0           Tine Capacity         kg         6000           Operating Weight         kg         2085  | 11 | Clearance at Full Lift and Max Dump                                  |     |       |
| 13   Overall Carriage Width   mm   2217   in   87.3       14   Overall Carriage Height   mm   84.5       15   Outside Tine Width (max spread)   mm   27.0       16   Outside Tine Width (min spread)   mm   47.0       17   Tine Width (single tine)   mm   150.0       18   Tine Thickness   mm   65.0       19   Tine Capacity   8,8   20386       Operating Weight   8,8   20386       10   Operating Weight   8,8   20386       11   Operating Weight   8,8   20386       12   Operating Weight   8,8   20386       13   Operating Weight   8,8   20386       14   Operating Weight   8,8   20386       15   Operating Weight   8,8   20386       16   Operating Weight   8,8   20386       17   Operating Weight   8,8   20386       18   Operating Weight   9,8   20386       18   Operating Weight   9,8  | 40 | Mars Biank and Angle from Harinantal                                 |     |       |
| 14   Overall Carriage Width   in   | 12 | Max Discharge Angle from Horizontal                                  | deg | 46    |
| 14   Overall Carriage Height   mm   87.3   mm   87.5   mm   87.5 | 13 | Overall Carriage Width   | mm  |       |
| 15   Outside Tine Width (max spread)   mm   2070   m   81.5   mm   470   m   470   m   150.0   m   1 |    | Overall Carriage Wilder  |     |       |
| 15         Outside Tine Width (max spread)         mm bin and spread         270 in 81 spread           16         Outside Tine Width (min spread)         mm 470 in 18 spread         470 in 18 spread           Tine Width (single tine)         mm 5.9 in 5.9 in 2.6 in 2.6 in 2.6 in 2.6 in 2.6 in 2.6 in 3.6   | 14 | Overall Carriage Height  |     |       |
| 16 Outside Tine Width (min spread)   in   81.5   mm   470   mn   470   mn   150.0   mn   150.0   mn   65.0   mn  |    |  |     |       |
| 16 Outside Tine Width (min spread)         mm 470 in 1850 mm         470 mm         470 mm         470 mm         470 mm         470 mm         480 mm  | 15 | Outside Tine Width (max spread)                                      |     |       |
| Tine Width (single tine)   | 40 | O. 4-14- Ti \Middle (1   |     |       |
| Ine Width (single une)         in         5.9           Tine Thickness         mm         65.0           Tine Capacity         kg         6300           Ibs         13885           Operating Weight         kg         20369   | 16 | Outside Tine Width (min spread)                                      |     |       |
| 1   5.9   1    |    | Tine Width (single tine)   | mm  | 150.0 |
| Tine Unickness         in         2.6           Tine Capacity         kg         6300           Operating Weight         kg         2085   |    | Title Width (Single title)   |     |       |
| Tine Capacity kg 6300  Congrating Weight kg 20369  |    | Tine Thickness   |     |       |
| 1385   |    | ***************************************                              |     |       |
| Operating Weight kg 20369  |    | Tine Capacity  |     |       |
|  |    | <u> </u>   |     |       |
| 100 44002  |    | Operating Weight   |     |       |
|  |    | Operating Weight   | lbs | 44892 |



Pin Height (mm)

<u>@</u>

## Capacity (kg) (Calculated Load at CG Point)



- Payload (CEN EN 474-3 - Rough Terral

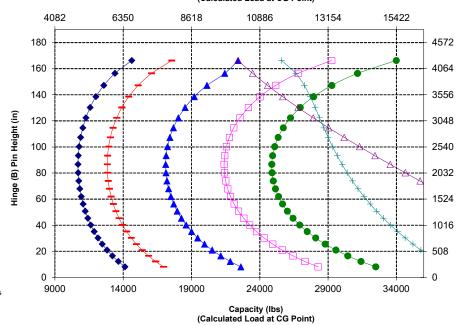
NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lutricaste, and Operative. Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE\* J1197, ISO 14397-1, CEN\*\* EN 474-3.

The rated operating load for a loader equipped with a pallet fork is determined by:
SAE J1197: 50% of full turn static tipping load or hydraulic limit. CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.
CEN EN 474-3: 80% of full turn static tipping load on sough terrain or hydraulic limit.

tipping load on firm and level ground or hydraulic limit.

\*SAE - Society of Automotive Engineers \*\*CEN - European Committee for Standardization

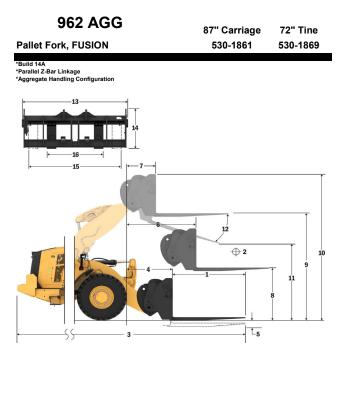


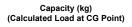


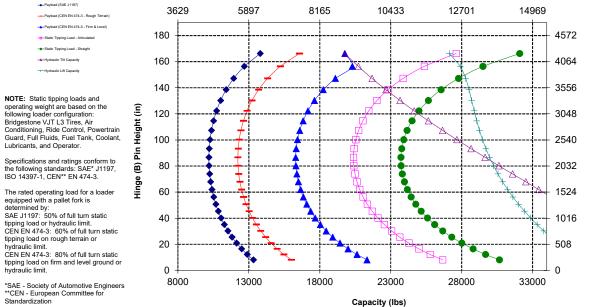
<sup>\*</sup>Negative values indicate below grade

#### **Fork Specifications**

|    | ik Opcomodions  |           |                |
|----|---|-----------|----------------|
| 1  | Tine Length   | mm<br>in  | 1830<br>72.0   |
| 2  | Load Center   | mm        | 915            |
|    | Load Ceriter  | in        | 36.0           |
|    | Static Tipping Load - Straight (Forks Level)                    | kg<br>lbs | 10757<br>23709 |
|    |   | kg        | 9243           |
|    | Static Tipping Load - Articulated (Forks Level)                 | lbs       | 20372          |
|    | Rated Load (SAE J1197 - 50% FTSTL)                              | kg        | 4621           |
|    | Nated Load (SAE 31197 - 30 % F131L)                             | lbs       | 10186          |
|    | Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)             | kg        | 5546           |
|    | ,   | lbs       | 12223          |
|    | Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)     | kg<br>lbs | 7394<br>16297  |
| _  |   | mm        | 9600           |
| 3  | Maximum Overall Length  | in        | 378.0          |
| 4  | Reach with Forks at Ground Level                                | mm        | 1376           |
|    | Treach with Forks at Ground Level                               | in        | 54.2           |
| 5  | *Ground to Bottom of Tine at Minimum Height and Fork Level      | mm        | -161           |
|    | <u> </u>  | in        | -6.4           |
| 6  | Reach with Arms Horizontal and Forks Level                      | mm<br>in  | 1849<br>72.8   |
| _  |   | mm        | 971            |
| 7  | Reach with Fork at Maximum Height                               | in        | 38.2           |
| 8  | Ground to Top of Tine with Arms Horizontal and Fork Level       | mm        | 1769           |
| ۰  | Ground to Top of Tine with Arms Honzontal and Fork Level        | in        | 69.6           |
| 9  | Ground to Top of Tine at Maximum Height and Fork Level          | mm        | 3920           |
|    |   | in        | 154.3          |
| 10 | Overall Height of Fork at Full Lift (top of carriage to ground) | mm<br>in  | 4695<br>184.9  |
|    |   | mm        | 2337           |
| 11 | Clearance at Full Lift and Max Dump                             | in        | 92.0           |
| 12 | Max Discharge Angle from Horizontal                             | deg       | 46             |
| 12 | Max Discharge Angle Irom Horizontal                             |           |                |
| 13 | Overall Carriage Width  | mm        | 2217           |
|    |   | in        | 87.3           |
| 14 | Overall Carriage Height   | mm<br>in  | 840<br>33.1    |
|    | 0 1 11 T 140 H / B  | mm        | 2070           |
| 15 | Outside Tine Width (max spread)                                 | in        | 81.5           |
| 16 | Outside Tine Width (min spread)                                 | mm        | 470            |
|    | Outside Title Width (Hill Spieda)                               | in        | 18.5           |
|    | Tine Width (single tine)  | mm        | 150.0          |
|    | , ,   | in        | 5.9            |
|    | Tine Thickness  | mm<br>in  | 65.0<br>2.6    |
|    |   | kg        | 5246           |
|    | Tine Capacity   | lbs       | 11562          |
|    | Operating Weight  | kg        | 20416          |
|    | Operating weight  | lbs       | 44996          |







Capacity (lbs) (Calculated Load at CG Point)

Lubricants, and Operator.

WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

Pin Height (mm)

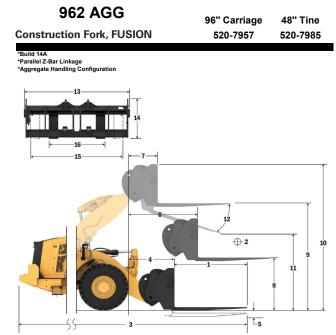
<u>@</u> Hinge (

<sup>\*</sup>Negative values indicate below grade

## **Fork Specifications**

#### **Fork Specifications**

|    | ik Opecinications   |           |                |
|----|---|-----------|----------------|
| 1  | Tine Length   | mm<br>in  | 1219<br>48.0   |
| 2  | Load Center   | mm        | 610            |
|    | Load Center   | in        | 24.0           |
|    | Static Tipping Load - Straight (Forks Level)                    | kg<br>lbs | 11590<br>25545 |
|    |   | ka        | 9931           |
|    | Static Tipping Load - Articulated (Forks Level)                 | lbs       | 21888          |
|    | Rated Load (SAE J1197 - 50% FTSTL)                              | kg        | 4966           |
|    | Nated Load (GAL 31197 - 30 %1 101L)                             | lbs       | 10944          |
|    | Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)             | kg        | 5959           |
|    | <u> </u>  | lbs<br>kg | 13133<br>7945  |
|    | Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)     | lbs       | 17511          |
| 3  | Maximum Overall Length  | mm        | 8946           |
| ٠  | Maximum Overali Lengin  | in        | 352.2          |
| 4  | Reach with Forks at Ground Level                                | mm        | 1332           |
|    | Trought with 1 onto at Ground Ecvor                             | in        | 52.5           |
| 5  | *Ground to Bottom of Tine at Minimum Height and Fork Level      | mm        | -81            |
|    |   | in        | -3.2           |
| 6  | Reach with Arms Horizontal and Forks Level                      | mm<br>in  | 1841<br>72.5   |
| _  |   | mm        | 963            |
| 7  | Reach with Fork at Maximum Height                               | in        | 37.9           |
| 8  | Ground to Top of Tine with Arms Horizontal and Fork Level       | mm        | 1874           |
|    | Ground to Top of Title With Arths Horizonital and Fork Level    | in        | 73.8           |
| 9  | Ground to Top of Tine at Maximum Height and Fork Level          | mm        | 4026           |
|    |   | in        | 158.5          |
| 10 | Overall Height of Fork at Full Lift (top of carriage to ground) | mm<br>in  | 5066<br>199.5  |
|    |   | mm        | 2740           |
| 11 | Clearance at Full Lift and Max Dump                             | in        | 107.9          |
| 42 | Max Discharge Angle from Horizontal                             |           | 52             |
| 12 | Max Discharge Angle Irom Horizontal                             | deg       |                |
| 13 | Overall Carriage Width  | mm        | 2528           |
|    | O Toran Carrago Trian   | in        | 99.5           |
| 14 | Overall Carriage Height   | mm<br>in  | 1130<br>44.5   |
|    |   | mm        | 2178           |
| 15 | Outside Tine Width (max spread)                                 | in        | 85.7           |
| 40 | Outside Tire Middle (sein seese d)                              | mm        | 576            |
| 10 | Outside Tine Width (min spread)                                 | in        | 22.7           |
|    | Tine Width (single tine)  | mm        | 180.0          |
|    | This Theat (onigio uno)   | in        | 7.1            |
|    | Tine Thickness  | mm        | 90.0           |
|    |   | in        | 3.5            |
|    | Tine Capacity   | ka<br>lbs | 22200<br>48929 |
|    | O   | ka        | 20678          |
|    | Operating Weight  | lbs       | 45573          |
|    |   |           |                |

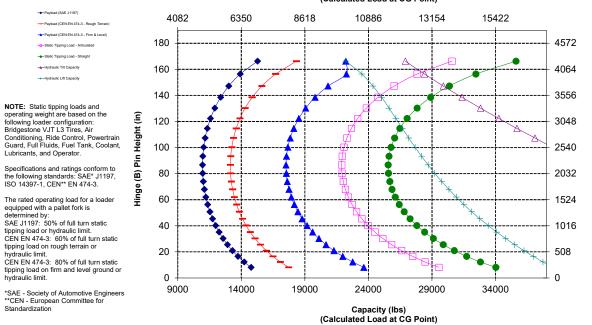


Hinge (B) Pin Height (mm)

\*Negative values indicate below grade

-Payload (CEN EN 474-3 - Firm & Level

## Capacity (kg) (Calculated Load at CG Point)



Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE\* J1197, ISO 14397-1, CEN\*\* EN 474-3.

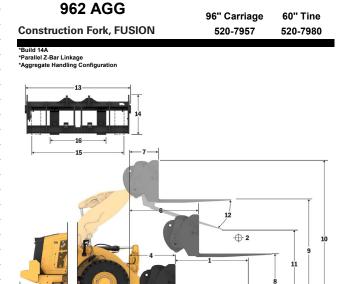
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Hinge (B) Pin Height (mm)

### **Fork Specifications**

#### **Fork Specifications**

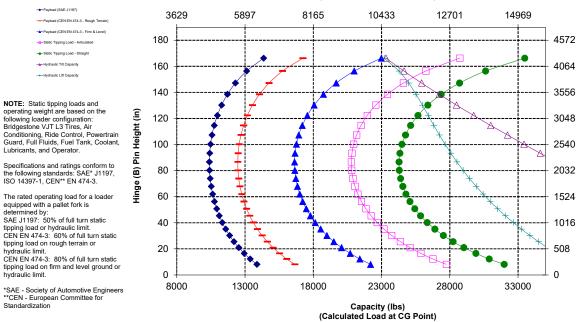
|    | opeoinounene  |           |                |
|----|---|-----------|----------------|
| 1  | Tine Length   | mm<br>in  | 1524<br>60.0   |
| _  | 1 10 1  | mm        | 762            |
| 2  | Load Center   | in        | 30.0           |
|    | Static Tipping Load - Straight (Forks Level)                      | kg        | 11013          |
|    | Otatic Tipping Load - Straight (1 Orks Level)                     | lbs       | 24273          |
|    | Static Tipping Load - Articulated (Forks Level)                   | kg        | 9427           |
|    | , ,   | lbs<br>kg | 20777<br>4714  |
|    | Rated Load (SAE J1197 - 50% FTSTL)                                | lbs       | 10389          |
|    | D + 11  | kg        | 5656           |
|    | Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)               | lbs       | 12466          |
|    | Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)       | kg        | 7542           |
|    | Trated Load (CEN EN 474-51 IIIII and Level Gloding - 60 % 1 151E) | lbs       | 16622          |
| 3  | Maximum Overall Length  | mm        | 9251           |
|    |   | in        | 364.2          |
| 4  | Reach with Forks at Ground Level                                  | mm        | 1333<br>52.5   |
|    |   | in<br>mm  | -81            |
| 5  | *Ground to Bottom of Tine at Minimum Height and Fork Level        | in        | -3.2           |
| _  | D 1 21 A 11 1 1 1 1 1 1 1   | mm        | 1842           |
| 6  | Reach with Arms Horizontal and Forks Level                        | in        | 72.5           |
| 7  | Reach with Fork at Maximum Height                                 | mm        | 963            |
| ′  | Reach with Fork at Maximum Height                                 | in        | 37.9           |
| 8  | Ground to Top of Tine with Arms Horizontal and Fork Level         | mm        | 1874           |
|    |   | in        | 73.8           |
| 9  | Ground to Top of Tine at Maximum Height and Fork Level            | mm        | 4026           |
|    | <u>-</u>  | in<br>mm  | 158.5<br>5066  |
| 10 | Overall Height of Fork at Full Lift (top of carriage to ground)   | in        | 199.5          |
|    | 0   | mm        | 2500           |
| 11 | Clearance at Full Lift and Max Dump                               | in        | 98.4           |
| 12 | Max Discharge Angle from Horizontal                               | doa       | 52             |
| 12 | Max Discharge Angle Iron Horizontal                               | deg       |                |
| 13 | Overall Carriage Width  | mm        | 2528           |
|    | O Torian Carriago Triadi  | in        | 99.5           |
| 14 | Overall Carriage Height   | mm        | 1130<br>44.5   |
|    |   | in<br>mm  | 2178           |
| 15 | Outside Tine Width (max spread)                                   | in        | 85.7           |
|    | 0 + : 1 T W: W / : N  | mm        | 576            |
| 16 | Outside Tine Width (min spread)                                   | in        | 22.7           |
|    | Tine Width (single tine)  | mm        | 180.0          |
|    | Title Width (single title)  | in        | 7.1            |
|    | Tine Thickness  | mm        | 90.0           |
|    | ***************************************                           | in        | 3.5            |
|    | Tine Capacity   | kq        | 17800          |
|    | ·   | lbs<br>ka | 39231<br>20744 |
|    | Operating Weight  | lbs       | 45719          |
|    |   | เมอ       | 40/18          |



\*Negative values indicate below grade

-Payload (CEN EN 474-3 - Firm & Level

## Capacity (kg) (Calculated Load at CG Point)



The rated operating load for a loader equipped with a pallet fork is determined by: SAE J1197: 50% of full turn static tipping load or hydraulic limit. CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit. CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit. \*SAE - Society of Automotive Engineers \*\*CEN - European Committee for Standardization

Lubricants, and Operator.

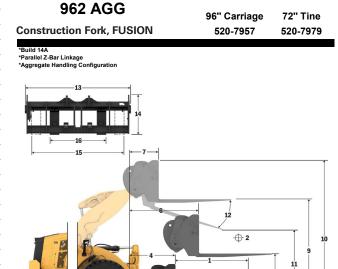
Specifications and ratings conform to the following standards: SAE\* J1197, ISO 14397-1, CEN\*\* EN 474-3.



## **Fork Specifications**

#### **Fork Specifications**

| Interestingtiff   Interest   In | 1  |    | ik Opecinications   |     |       |
|--|--|----|---|-----|-------|
| 2   Load Center  | 2 Load Center   mm   91t   31t   36t   3 | 1  | Tine Length   |     | 1829  |
| Static Tipping Load - Straight (Forks Level)   | Static Tipping Load - Straight (Forks Level)   In   36.1   | _  | 1 10 1  |     |       |
| Static Tipping Load - Straight (Fork's Level)   Ibs   2310-   Static Tipping Load - Articulated (Fork's Level)   Ibs   1975-   Rated Load (SAE J1197 - 50% FTSTL)   Kg   4482-   Bis   9878-   Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)   Kg   5378-   Bis   9878-   Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Kg   7171-   Ibs   1880-   Samurian Overall Length   Ibs   1955-   A Reach with Forks at Ground Level   Ibs   1833-   In   525-   Foround to Bottom of Tine at Minimum Height and Fork Level   Imm   1842-   In   72.5-   Reach with Fork at Maximum Height   Imm   Imm  | Static Tipping Load - Straight (Forks Level)   Ibs   2316  | 2  | Load Center   |     | 36.0  |
| Static Tipping Load - Articulated (Forks Level)   Ins   Static Tipping Load - Articulated (Forks Level)   Ins   Static Tipping Load - Articulated (Forks Level)   Ins   Static Tipping Load (SAE J1197 - 50% FTSTL)   Ins   Static Stat | Static Tipping Load - Articulated (Forks Level)   Ibs   937t   |    | Static Tipping Load Straight (Forks Lovel)                      | kg  | 10483 |
| Rated Load (SAE J1197 - 50% FTSTL)   Bis   9478   Seg   4482   Seg   4482   Seg   5378   Seg   5378   Seg   5378   Seg   5478   Seg   Seg   5478   Seg   Seg   5478   Seg   Seg   5478   Seg   5478   Seg   5478   Seg   5478   Seg   5478    | Static Tipping Load - Articulated (Forks Level)   Ibs   1975     Rated Load (SAE J1197 - 50% FTSTL)   Ibs   987     Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)   Ikg   537     Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Ikg   717     Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Ikg   717     Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Ikg   717     Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Ikg   718     Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Ikg   718     Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Ikg   718     Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Ikg   718     Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Ikg   718     Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Ikg   718     Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Ikg   718     Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Ikg   718     Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Ikg   718     Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Ikg   718     Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Ikg   718     Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Ikg   718     Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Ikg   718     Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Ikg   718     Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Ikg   718     Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL   Ikg   718     Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL   Ikg   718     Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL   Ikg   718     Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL   Ikg   718     Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL   Ikg   718     Rated Load (CEN EN 474-18)   Ikg   718     Rated Load (CEN EN 474-18)   Ikg   718     Rated Load (CEN EN 474-18)   Ik |    | Static Tipping Load - Straight (Forks Level)                    | lbs | 23104 |
| Rated Load (SAE J1197 - 50% FTSTL)   | Rated Load (SAE J1197 - 50% FTSTL)   |    | Static Tipping Load - Articulated (Forks Level)                 |     | 8964  |
| Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)   Bis   9878   Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)   Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Rated Load (CEN EN 474-3 Firm and Level Ground - 813  | Rated Load (SAE 31197 - 30% F1S1L)   Ibs   987   Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)   Ibs   1186   118 |    |   |     |       |
| Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)  | Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)  |    | Rated Load (SAE J1197 - 50% FTSTL)                              |     |       |
| Rated Load (CEN EN 474-3 Rough Terrain - 00% FTSTL)   Bis   1185-   Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Red   T171-   Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Red   T171-   Red   T189-   Red   T189-   Red   Reach with Forks at Ground Level   mm   1333   | Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Ibs   1186   15 |    | ,   |     |       |
| Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   kg   7171   lbs   1580 | Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)  |    | Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)             |     |       |
| State Cload (Len En 4743 Firm and Level Ground - 80% F151L)   Bis   1580 mm   9556 m | 158  |    |   |     |       |
| 3         Maximum Overall Length         mm         9556 in 3 786 in 3 7876           4         Reach with Forks at Ground Level         mm         1333 in 52.5           5         "Ground to Bottom of Tine at Minimum Height and Fork Level         mm         18 mm           6         Reach with Arms Horizontal and Forks Level         mm         18 mm           7         Reach with Fork at Maximum Height         mm         9 mm           8         Ground to Top of Tine with Arms Horizontal and Fork Level         in         73.8 mm           9         Ground to Top of Tine at Maximum Height and Fork Level         in         158.8 mm           10         Overall Height of Fork at Full Lift (top of carriage to ground)         in         199.5 mm           11         Clearance at Full Lift and Max Dump         mm         205.1 mm           12         Max Discharge Angle from Horizontal         deg         52           13         Overall Carriage Height         mm         100 mm           14         Overall Carriage Height         mm         100 mm           15         Outside Tine Width (min spread)         mm         217 mm           16         Outside Tine Width (min spread)         mm         180 mm           17         Tine Capacity         mm<  | 3         Maximum Overall Length         mmm 955 in 376         955 in 376           4         Reach with Forks at Ground Level         mm 133 in 52.1         5 *Ground to Bottom of Tine at Minimum Height and Fork Level         mm - 81 in - 3.1         5 *Ground to Bottom of Tine at Minimum Height and Fork Level         mm 184 in - 72.1         7 Reach with Arms Horizontal and Forks Level         mm 96 in 37.1         7 Reach with Fork at Maximum Height         mm 96 in 37.1         7 Reach with Fork at Maximum Height and Fork Level         mm 187 in 73.1         7 Reach with Fork at Maximum Height and Fork Level         mm 187 in 73.1         158 in 198 in 198 in 198 in 198 in 198 in 198 in 199 in   |    | Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)     |     | 15805 |
| Reach with Forks at Ground Level   mm   13/6.   mm   52.5  | Reach with Forks at Ground Level   mm   133   in   52.   | _  | Manianana Oranali I an adh                                      |     | 9556  |
| Reach with Forks at Ground Level   in   52.5   | 5 *Ground to Bottom of Tine at Minimum Height and Fork Level         in 52.1           6 Reach with Arms Horizontal and Forks Level         mm 184 in 72.1           7 Reach with Fork at Maximum Height         mm 96.1           8 Ground to Top of Tine with Arms Horizontal and Fork Level         mm 187 in 73.1           9 Ground to Top of Tine at Maximum Height and Fork Level         mm 402 in 158.1           10 Overall Height of Fork at Full Lift (top of carriage to ground)         mm 506 in 199.1           11 Clearance at Full Lift and Max Dump         mm 225 in 88.1           12 Max Discharge Angle from Horizontal         deg 52           13 Overall Carriage Width         mm 257 in 88.1           14 Overall Carriage Height         mm 137 in 44.3           15 Outside Tine Width (max spread)         mm 217 in 85.1           16 Outside Tine Width (min spread)         mm 577 in 75.2           Tine Width (single tine)         mm 180 in 7.1           Tine Capacity         mm 180 in 7.1           Operating Weight         mm 3.5           Concreting Weight         mm 180 in 7.1           Operating Weight         mm 3.5           Operating Weight         mm 3.5  | 3  | Maximum Overali Length  | in  | 376.2 |
| 1  | 5   Ground to Bottom of Tine at Minimum Height and Fork Level   mm   -84   in   -3.1   in   -3.2   i | 4  | Booch with Forks at Ground Lovel                                | mm  | 1333  |
| 1   3.2   3.2   3.3    | 18   | -  | Reach with Forks at Ground Level                                | in  | 52.5  |
| 1  | Reach with Arms Horizontal and Forks Level   mm   184   mm   186   mm   187   mm   187 | 5  | *Ground to Bottom of Tine at Minimum Height and Fork Level      | mm  |       |
| 6         Reach with Fork at Maximum Height         in         72.5           7         Reach with Fork at Maximum Height         mm         963           8         Ground to Top of Tine with Arms Horizontal and Fork Level         mm         1874           9         Ground to Top of Tine at Maximum Height and Fork Level         mm         4026           10         Overall Height of Fork at Full Lift (top of carriage to ground)         mm         5066           11         Clearance at Full Lift and Max Dump         mm         2259           12         Max Discharge Angle from Horizontal         deg         52           13         Overall Carriage Width         mm         2528           14         Overall Carriage Height         in         44.5           15         Outside Tine Width (max spread)         mm         17.6           16         Outside Tine Width (min spread)         mm         57.6           Tine Width (single tine)         mm         180.0           Tine Capacity         kq         1480           Operation Weight         kq         20.0  | Reach with Fork at Maximum Height   mm   96.   |    | Ground to Bottom of Time at Minimum Fleight and Folk Eever      |     |       |
| 7   Reach with Fork at Maximum Height   in   72.5   in   37.9     8   Ground to Top of Tine with Arms Horizontal and Fork Level   in   73.8     9   Ground to Top of Tine at Maximum Height and Fork Level   in   15.8     10   Overall Height of Fork at Full Lift (top of carriage to ground)   in   199.8     11   Clearance at Full Lift and Max Dump   mm   2259     12   Max Discharge Angle from Horizontal   deg   52     13   Overall Carriage Width   mm   2528     14   Overall Carriage Height   mm   1130     15   Outside Tine Width (max spread)   mm   2178     16   Outside Tine Width (min spread)   mm   2178     17   Tine Width (single tine)   mm   180.0     18   Tine Capacity   mm   90.0     19   Operating Weight   mm   90.0     10   Operating Weight   mm   90.0     11   Operating Weight   mm   90.0     12   Operating Weight   mm   90.0     13   Operating Weight   mm   90.0     14   Operating Weight   mm   90.0     15   Operating Weight   mm   90.0     16   Operating Weight   mm   90.0     17   Operating Weight   mm   90.0     18   Operating Weight   mm   90.0     19   Operating Weight   mm   90.0     10   Operating Weight   mm   90.0     11   Operating Weight   mm   90.0     12   Operating Weight   mm   90.0     13   Operating Weight   mm   90.0     14   Operating Weight   mm   90.0     15   Operating Weight   mm   90.0     16   Operating Weight   mm   90.0     17   Operating Weight   mm   90.0     18   Operating Weight   mm   90.0     19   Operating Weight   mm   90.0     10   Operating Weight   mm   90.0     11   Operating Weight   mm   90.0     12   Operating Weight   mm   90.0     13   Operating Weight   mm   90.0     14   Operating Weight   mm   90.0     15   Operating Weight   mm   90.0     16   Operating Weight   mm   90.0     17   Operating Weight   mm   90.0     18   Operating Weight   mm   90.0     19   Operating Weight   mm   90.0     10   Operating Weight   mm   90.0     11   Operating Weight   mm   90.0     12   Operating Weight   mm   90.0     13   Operating Weight   mm   90.0     14   Operating Weig | 7   Reach with Fork at Maximum Height  | 6  | Reach with Arms Horizontal and Forks Level                      |     |       |
| Reactif Will Flork at Maximum Height   in   37.9   mm   1874   in   73.8   ground to Top of Tine with Arms Horizontal and Fork Level   in   73.8   ground to Top of Tine at Maximum Height and Fork Level   mm   40.26   in   158.5   10   Overall Height of Fork at Full Lift (top of carriage to ground)   mm   5066   in   199.5   11   Clearance at Full Lift and Max Dump   mm   2255   in   88.9   12   Max Discharge Angle from Horizontal   deg   5.9   13   Overall Carriage Width   mm   25.28   in   99.5   14   Overall Carriage Height   in   44.5   in   44.5   15   Outside Tine Width (max spread)   mm   1376   in   27.7   11   Tine Width (single tine)   mm   180.0   in   3.7   11   Tine Thickness   mm   90.0   in   3.5   Tine Capacity   kg   14800   lbs   32611   Operating Weight   kg   20810   control of the property   14   200  | 37.  |    | Trought Many and Trong Street and Tonio 20101                   |     |       |
| 8   Ground to Top of Tine with Arms Horizontal and Fork Level in 37.9   mm 187.9   mm  | 8   Ground to Top of Tine with Arms Horizontal and Fork Level   mm   187   158   158   159   1 | 7  | Reach with Fork at Maximum Height                               |     |       |
| 9         Ground to Top of Tine at Maximum Height and Fork Level         in max 4028 (in 1858)           10         Overall Height of Fork at Full Lift (top of carriage to ground)         mm 5066 (in 1993)           11         Clearance at Full Lift and Max Dump         mm 2259 (in 88.9)           12         Max Discharge Angle from Horizontal         deg 52           13         Overall Carriage Width         mm 2528 (in 99.5)           14         Overall Carriage Height         in 44.5 (in 49.5)           15         Outside Tine Width (max spread)         mm 27.6 (in 85.7)           16         Outside Tine Width (min spread)         mm 27.6 (in 27.2)           Tine Width (single tine)         mm 180.0 (in 7.2)           Tine Thickness         mm 90.0 (in 3.2)           Tine Capacity         kq 14800 (bs 3261)           Operation Weight         kq 14800 (bs 3261)  | 9         Ground to Top of Tine with Amin's Horizontal and Poix Level         in main and Fork Level         73.           10         Overall Height of Fork at Full Lift (top of carriage to ground)         mm 506 in 199.           11         Clearance at Full Lift and Max Dump         mm 225 in 88.           12         Max Discharge Angle from Horizontal         deg 52 in 99.           13         Overall Carriage Width         mm 255 in 99.           14         Overall Carriage Height         mm 113 in 44.           15         Outside Tine Width (max spread)         mm 277 in 85.           16         Outside Tine Width (min spread)         mm 576 in 22.           Tine Width (single tine)         mm 80.           Tine Thickness         mm 90.           Tine Capacity         kd 1486 is 3281 kg 2084           Operating Weight         kd 2086   |    | <u> </u>  |     |       |
| 9         Ground to Top of Tine at Maximum Height and Fork Level         mm 4026 in 1583 (in 1583)           10         Overall Height of Fork at Full Lift (top of carriage to ground)         mm 5066 in 1993 (in 1993)           11         Clearance at Full Lift and Max Dump         mm 2506 (in 1993)           12         Max Discharge Angle from Horizontal         deg 52           13         Overall Carriage Width         mm 257           14         Overall Carriage Height         mm 2178 (in 44.5)           15         Outside Tine Width (max spread)         mm 2178 (in 49.5)           16         Outside Tine Width (min spread)         mm 576 (in 22.7)           Tine Width (single tine)         mm 180.0 (in 7.7)           Tine Thickness         mm 90.0 (in 7.1)           Tine Capacity         kg 14800 (bs 3261)           Operating Weight         kg 2081   | 9         Ground to Top of Tine at Maximum Height and Fork Level         mm in 188         402           10         Overall Height of Fork at Full Lift (top of carriage to ground)         mm 506         506           11         Clearance at Full Lift and Max Dump         mm 225         38.           12         Max Discharge Angle from Horizontal         deg         52           13         Overall Carriage Width         mm 25         6           14         Overall Carriage Height         mm 113         11           15         Outside Tine Width (max spread)         mm 217           16         Outside Tine Width (min spread)         mm 57           Tine Width (single tine)         mm 180           Tine Thickness         mm 90           Tine Capacity         ka 1488           Operating Weight         ka 2086   | 8  | Ground to Top of Tine with Arms Horizontal and Fork Level       |     |       |
| 15.8.1   | 158  |    | ·   |     |       |
| 10   Overall Height of Fork at Full Lift (top of carriage to ground)   mm   5066 in 199.9     11   Clearance at Full Lift and Max Dump   mm   2259 in 88.9     12   Max Discharge Angle from Horizontal   deg   52     13   Overall Carriage Width   mm   2528   in 99.5     14   Overall Carriage Height   in 44.5   mm   1178     15   Outside Tine Width (max spread)   mm   576   in 85.7     16   Outside Tine Width (min spread)   mm   576   in 27.7     Tine Width (single tine)   mm   180.0   in 7.7     Tine Thickness   mm   90.0   in 90.0     Tine Capacity   kg   14800   lbs 32611     Operating Weight   kg   20080   carriage to ground   c | 10   Overall Height of Fork at Full Lift (top of carriage to ground)   mm   506   in   1999   mm   225   2 | 9  | Ground to Top of Tine at Maximum Height and Fork Level          |     |       |
| 199.6  | 19   |    |   |     |       |
| 11         Clearance at Full Lift and Max Dump         mm bin 88.9 (sin 88.9)         2258 (sin 98.5)           12         Max Discharge Angle from Horizontal         deg 52         52           13         Overall Carriage Width         mm 2528 (sin 99.5)           14         Overall Carriage Height         mm 18.0         in 85.7           15         Outside Tine Width (max spread)         mm 576 (mm 576)         mm 760 (mm 180.0)           16         Outside Tine Width (single tine)         mm 180.0 (mm 780.0)         mm 90.0 (mm 90.0)           Tine Thickness         mm 90.0 (mm 90.0)         mm 90.0 (mm 90.0)         mm 90.0 (mm 90.0)           Tine Capacity         kg 14800 (mm 90.0)         kg 14800 (mm 90.0)         kg 14800 (mm 90.0)           Operation Weight         kg 20810 (mm 90.0)         kg 20810 (mm 90.0)   | 11 Clearance at Full Lift and Max Dump   mm   225   m. 88.1     12 Max Discharge Angle from Horizontal   deg   52     13 Overall Carriage Width   mm   252   m. 99.1     14 Overall Carriage Height   mm   113   m. 44.1     15 Outside Tine Width (max spread)   mm   217   m. 85.1     16 Outside Tine Width (min spread)   mm   576   m. 22.1     Tine Width (single tine)   mm   180   m. 7.1     Tine Thickness   mm   90.1   m. 3.5     Tine Capacity   ka   1486   m. 2080   m. 3.26   m. 3.26   m. 3.26   m. 3.26     Operating Weight   ka   2080   m. 88.1   m. 3.26   m.  | 10 | Overall Height of Fork at Full Lift (top of carriage to ground) |     |       |
| 11 Clearance at Full Lift and wax Dump   in 88.9     12 Max Discharge Angle from Horizontal   deg 52     13 Overall Carriage Width   in 99.5     14 Overall Carriage Height   mm 1130   in 445.     15 Outside Tine Width (max spread)   mm 2178   in 8576   in 8576     16 Outside Tine Width (min spread)   mm 576   in 277     17 Tine Width (single tine)   mm 180.0   in 77.1     17 Tine Thickness   mm 90.0   in 7.5     18 Tine Capacity   kg 13.5     19 Operating Weight   kg 2081   kg 2081   kg 2081     10 Operating Weight   kg 2081   k | 11   Clearance at Full Lift and wax Dump   in   88.1     12   Max Discharge Angle from Horizontal   deg   52     13   Overall Carriage Width   mm   257     14   Overall Carriage Height   mm   113     15   Outside Tine Width (max spread)   mm   217     16   Outside Tine Width (min spread)   mm   576     17   Tine Width (single tine)   mm   180     17   Tine Thickness   mm   90.1     18   Tine Capacity   ka   1486     19   Operating Weight   ka   2086     10   Operating Weight   ka   2086     10   September   Septemb |    | 0   |     | 2259  |
| 13   Overall Carriage Width   mm   2528     14   Overall Carriage Height   mm   13.5     15   Outside Tine Width (max spread)   mm   27.6     16   Outside Tine Width (min spread)   mm   57.6     17   Tine Width (single tine)   mm   180.0     18   Tine Thickness   mm   90.0     19   Tine Capacity   kg   14800     19   Operating Weight   kg   2021     10   Operating Weight   kg   2021     11   Operating Weight   kg   2021     12   Operating Weight   kg   2021     13   Operating Weight   kg   2021     14   Operating Weight   kg   2021     15   Operating Weight   kg   2021     16   Operating Weight   kg   2021     17   Operating Weight   kg   2021     18   Operating Weight   kg   2021     18   Operating Weight   kg   2021     19   Operating Weight   kg   2021     10   Operating Weight   kg   2021     11   Operating Weight   kg   2021     12   Operating Weight   kg   2021     13   Operating Weight   kg   2021     14   Operating Weight   kg   2021     15   Operating Weight   kg   2021     16   Operating Weight   kg   2021     17   Operating Weight   kg   2021     18   Operating Weigh | 13   Overall Carriage Width   mm   252   in   99.     14   Overall Carriage Height   mm   113   in   44.     15   Outside Tine Width (max spread)   mm   271   in   85.     16   Outside Tine Width (min spread)   mm   576   in   22.     Tine Width (single tine)   mm   180   in   7.1     Tine Thickness   mm   90.   in   3.5     Tine Capacity   ka   1486   ibs   3261     Operating Weight   ka   2086   Capacity    | 11 | Clearance at Full Lift and Max Dump                             |     | 88.9  |
| 13   Overall Carriage Width   mm   2528     14   Overall Carriage Height   mm   1318     15   Outside Tine Width (max spread)   mm   276     16   Outside Tine Width (min spread)   mm   576     17   Tine Width (single tine)   mm   180,0     18   Tine Thickness   mm   90,0     19   Tine Capacity   kq   14800     10   Operating Weight   kg   2081     11   Operating Weight   kg   2081     12   Operating Weight   kg   2081     13   Operating Weight   kg   2081     14   Operating Weight   kg   2081     15   Operating Weight   kg   2081     16   Operating Weight   kg   2081     17   Operating Weight   kg   2081     18   Operating Weight   kg   2081     18   Operating Weight   kg   2081     19   Operating Weight   kg   2081     10   Operating Weight   kg   2081     11   Operating Weight   kg   2081     12   Operating Weight   kg   2081     13   Operating Weight   kg   2081     14   Operating Weight   kg   2081     15   Operating Weight   kg   2081     16   Operating Weight   kg   2081     17   Operating Weight   kg   2081     18   Operating Weight  | 13   Overall Carriage Width   mm   252   in   99.     14   Overall Carriage Height   mm   113   in   44.     15   Outside Tine Width (max spread)   mm   271   in   85.     16   Outside Tine Width (min spread)   mm   576   in   22.     Tine Width (single tine)   mm   180   in   7.1     Tine Thickness   mm   90.   in   3.5     Tine Capacity   ka   1486   ibs   3261     Operating Weight   ka   2086   Capacity    | 42 | May Discharge Angle from Harizantal                             | 400 | E2    |
| 14   Overall Carriage Width   in   99.5   mm   1130   1150   1150   Outside Tine Width (max spread)   mm   2178   in   85.7   160   Outside Tine Width (min spread)   mm   576   in   25.7   Tine Width (single tine)   mm   180.0   in   17.1   Tine Thickness   mm   90.0   in   3.5   Tine Capacity   kg   14800   lbs   32611   Operating Weight   kg   2001   2001   kg   2001   kg | 14   Overall Carriage Width   99.     14   Overall Carriage Height   mm   113   in   44.     15   Outside Tine Width (max spread)   mm   576   in   85.     16   Outside Tine Width (min spread)   mm   576   in   22.     Tine Width (single tine)   mm   180   in   7.1     Tine Thickness   mm   90.   in   3.5     Tine Capacity   ka   148kg   188kg    | 12 | Max Discharge Angle Ironi Horizoniai                            | deg |       |
| 14   Overall Carriage Height   mm   139.3   mm   131.3   mm   141.5   mm   131.5   mm   131.5   mm   131.5   mm   131.5   mm   131.6   mm   131.6   mm   131.6   mm   131.6   mm   131.6   mm   130.6   mm   130.6  | 14   Overall Carriage Height   mm   113   in   44.     15   Outside Tine Width (max spread)   mm   576   in   85.     16   Outside Tine Width (min spread)   mm   576   in   22.     Tine Width (single tine)   mm   180   in   7.1     Tine Thickness   mm   90.     Tine Capacity   kg   1480   in   3.5     Operating Weight   kg   2080   control   kg   2080   control   kg   2080   control   kg   2080   control   cont | 13 | Overall Carriage Width  |     | 2528  |
| 14   Overain Carnage Reight   in   44.5  | 44   15   Outside Tine Width (max spread)   mm   217   in   85       16   Outside Tine Width (min spread)   mm   576   in   22       Tine Width (single tine)   mm   180   in   7.1       Tine Thickness   mm   90   in   3.5       Tine Capacity   ka   1486       Operating Weight   ka   2086   k |    | Overall Garriage vitati   |     |       |
| 15 Outside Tine Width (max spread)   mm   44.5   mm   21.5   mm   55.7   mm   50.0   mm  | 15 Outside Tine Width (max spread)   mm   217   16 Outside Tine Width (min spread)   mm   57   16 Outside Tine Width (min spread)   mm   180   17   17   17   17   17   17   17   1  | 14 | Overall Carriage Height   |     |       |
| 16 Outside Tine Width (min spread)   m   85.7   mm   576   min   22.7   min   21.7   min   180.0   | 16 Outside line Width (min spread)   in   85.  |    |   |     |       |
| 16 Outside Tine Width (min spread)         mm 576 in 22.7         576 in 22.7           Tine Width (single tine)         mm 180.0 in 7.1         180.0 in 7.1           Tine Thickness         mm 90.0 in 3.5         3.6           Tine Capacity         kg 148.0 in 3.5         185.0 in 3.5           Operating Weight         kg 20.0 in 3.5         186.0 in 3.5  | 16 Outside Tine Width (min spread)         mm 576 22 22 22 22 22 22 22 22 22 22 22 22 22   | 15 | Outside Tine Width (max spread)                                 |     |       |
| Tine Width (single tine)   | Tine Width (single tine)   |    |   |     |       |
| Tine Width (single tine)         mm is 18.0 mm of 17.1 mm         19.0 mm         90.0 mm         90.0 mm         95.0 mm         95.0 mm         95.0 mm         95.0 mm         95.0 mm         96.0 mm  | Tine Width (single tine)         mm isomorphism         180 in 7.1           Tine Thickness         im 90.1           Tine Capacity         ka 148c ibs 326f           Operating Weight         ka 208c  | 16 | Outside Tine Width (min spread)                                 |     |       |
| Tine Width (single line)         in         7.1           Tine Thickness         mm         90.0           Tine Capacity         kg         1480           Operating Weight         kg         2080  | Tine Width (single tine)         in         7.1           Tine Thickness         in         3.5           Tine Capacity         ka         148(bs           Operating Weight         ka         208(bs   |    |   |     |       |
| Tine Thickness         mm 90.0 in 3.5           Tine Capacity         kg 14800 lbs 3261           Operating Weight         kg 2081   | Tine Thickness         mm 90.1           Tine Capacity         ka 148k           Ibs 326         326           Operating Weight         ka 208k  |    | line wiath (single tine)  |     |       |
| Tine Capacity         in sign and                                | Time Triboxiless         in         3.5           Tine Capacity         ka         148t           Operating Weight         ka         208t   |    | Tine Thickness  |     | 90.0  |
| Tine Capacity   kg   1480    bs   3261    Operating Weight   kg   2008   | Tine Capacity         kg         148(           Operating Weight         kg         208(   |    | Title Titlickness   |     |       |
| Operating Weight kg 2080:  | Operating Weight kg 2080   |    | Tine Canacity   |     | 14800 |
|  |  |    | тне Сараску   | lbs | 32619 |
|  | lbs 4585   |    | Operating Weight  | kg  | 20805 |
| lbs 4585   |  |    | operating resignit  | lbs | 45853 |

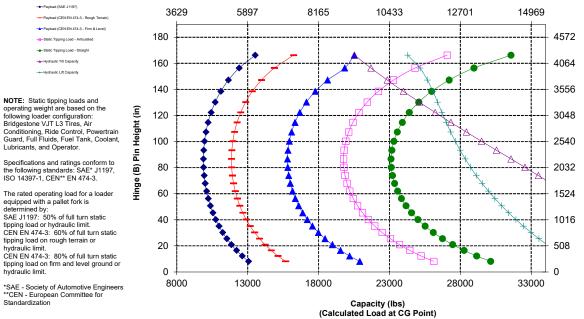


Hinge (B) Pin Height (mm)

\*Negative values indicate below grade

-Payload (CEN EN 474-3 - Firm & Level

## Capacity (kg) (Calculated Load at CG Point)



Specifications and ratings conform to the following standards: SAE\* J1197, ISO 14397-1, CEN\*\* EN 474-3.

Lubricants, and Operator.

The rated operating load for a loader equipped with a pallet fork is determined by: SAE J1197: 50% of full turn static tipping load or hydraulic limit. CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit. CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

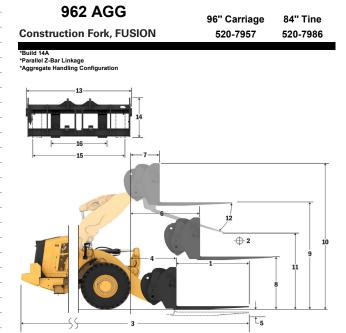
\*SAE - Society of Automotive Engineers \*\*CEN - European Committee for Standardization



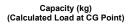
#### **Fork Specifications**

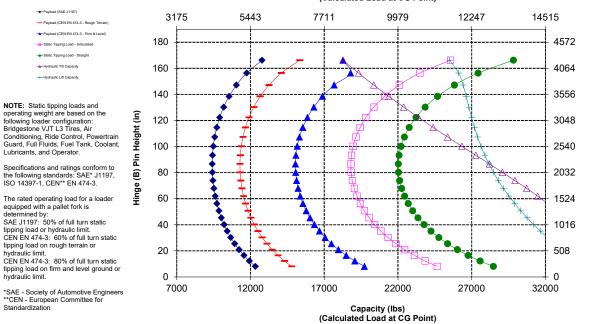
#### **Fork Specifications**

|    | ik Opecinications   |           |              |
|----|---|-----------|--------------|
| 1  | Tine Length   | mm        | 2134         |
| _  | 1 10 1  | in<br>mm  | 84.0<br>1067 |
| 2  | Load Center   | in        | 42.0         |
|    | Static Tipping Load - Straight (Forks Level)                    | kg        | 9989         |
|    | Otatio ripping Load - Otalgrit (1 Orko Lovel)                   | lbs       | 22016        |
|    | Static Tipping Load - Articulated (Forks Level)                 | kg        | 8532         |
|    | , ,   | lbs       | 18804        |
|    | Rated Load (SAE J1197 - 50% FTSTL)                              | kg<br>lbs | 4266<br>9402 |
| _  |   | kg        | 5119         |
|    | Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)             | lbs       | 11282        |
|    | Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)     | kg        | 6825         |
|    | Rated Load (CEN EN 474-3 Film and Level Ground - 60% F151L)     | lbs       | 15043        |
| 3  | Maximum Overall Length  | mm        | 9861         |
|    | Maximum Overall Length  | in        | 388.2        |
| 4  | Reach with Forks at Ground Level                                | ḿш        | 1333         |
|    |   | in        | 52.5         |
| 5  | *Ground to Bottom of Tine at Minimum Height and Fork Level      | mm        | -81          |
| _  | <u> </u>  | in<br>mm  | -3.2<br>1842 |
| 6  | Reach with Arms Horizontal and Forks Level                      | in        | 72.5         |
| _  |   | mm        | 963          |
| 7  | Reach with Fork at Maximum Height                               | in        | 37.9         |
| _  | Ground to Top of Tine with Arms Horizontal and Fork Level       | mm        | 1874         |
| 8  | Ground to Top of Tine with Arms Horizontal and Fork Level       | in        | 73.8         |
| 9  | Ground to Top of Tine at Maximum Height and Fork Level          | mm        | 4026         |
|    | Ordana to Top of Time at Maximum Fleight and Fork Edver         | in        | 158.5        |
| 10 | Overall Height of Fork at Full Lift (top of carriage to ground) | mm        | 5066         |
|    | - 0 (1 0 0 7  | in        | 199.5        |
| 11 | Clearance at Full Lift and Max Dump                             | mm        | 2019<br>79.5 |
|    | <u> </u>  | in        | 79.5         |
| 12 | Max Discharge Angle from Horizontal                             | deg       | 52           |
| 42 | Overall Carriage Width  | mm        | 2528         |
| 13 | Overall Carriage Width  | in        | 99.5         |
| 14 | Overall Carriage Height   | mm        | 1130         |
|    | Overall Garnage Height  | in        | 44.5         |
| 15 | Outside Tine Width (max spread)                                 | ḿш        | 2178         |
| _  | · ' ' '   | in        | 85.7         |
| 16 | Outside Tine Width (min spread)                                 | mm<br>in  | 576<br>22.7  |
|    | Ti \M(:-Ht- /-:I- 4:)   | mm        | 180.0        |
|    | Tine Width (single tine)  | in        | 7.1          |
|    | Tine Thickness  | mm        | 90.0         |
|    | THE THICKNESS   | in        | 3.5          |
|    | Tine Capacity   | kg        | 12700        |
|    | inc separate  | lbs       | 27991        |
|    | Operating Weight  | ka        | 20868        |
|    | , , ,   | lbs       | 45992        |
|    |   |           |              |



Payload (CEN EN 474-3 - Firm & Level







Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE\* J1197, ISO 14397-1, CEN\*\* EN 474-3.

The rated operating load for a loader equipped with a pallet fork is determined by:

SAE J1197: 50% of full turn static tipping load or hydraulic limit.
CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.
CEN EN 474-3: 80% of full turn static tipping load on rough terrain or hydraulic limit.

WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

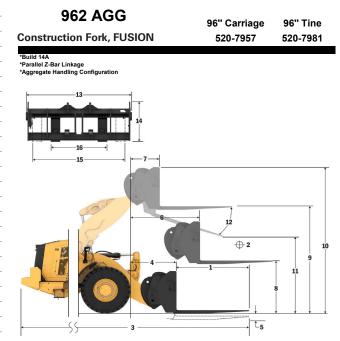
Hinge (B) Pin Height (mm)

<sup>\*</sup>Negative values indicate below grade

## **Fork Specifications**

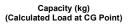
#### **Fork Specifications**

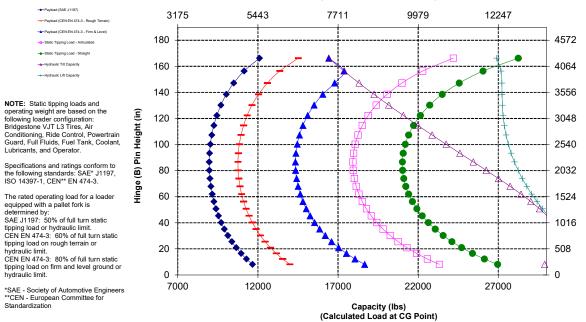
|     | ik Opecinications   |           |                |
|-----|---|-----------|----------------|
| 1   | Tine Length   | mm        | 2438<br>96.0   |
| _   | Land Contra   | in<br>mm  | 1219           |
| 2   | Load Center   | in        | 48.0           |
|     | Static Tipping Load - Straight (Forks Level)                    | kg        | 9531           |
|     | Static Tipping Load - Straight (1 Grks Level)                   | lbs       | 21007          |
|     | Static Tipping Load - Articulated (Forks Level)                 | kg        | 8131           |
|     | ··  | lbs       | 17921          |
|     | Rated Load (SAE J1197 - 50% FTSTL)                              | kg<br>lbs | 4065<br>8960   |
|     |   | kg        | 4879           |
|     | Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)             | lbs       | 10752          |
|     | D   | kg        | 6505           |
|     | Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)     | lbs       | 14336          |
| 3   | Maximum Overall Length  | mm        | 10165          |
|     | Maximum Overali Lengui  | in        | 400.2          |
| 4   | Reach with Forks at Ground Level                                | mm        | 1333           |
|     |   | in        | 52.5           |
| 5   | *Ground to Bottom of Tine at Minimum Height and Fork Level      | mm        | -81            |
| _   |   | in        | -3.2<br>1842   |
| 6   | Reach with Arms Horizontal and Forks Level                      | mm<br>in  | 72.5           |
| _   |   | mm        | 963            |
| 7   | Reach with Fork at Maximum Height                               | in        | 37.9           |
| _   | Ground to Top of Tine with Arms Horizontal and Fork Level       | mm        | 1874           |
| 8   | Ground to Top or Tine with Arms Horizontal and Fork Level       | in        | 73.8           |
| 9   | Ground to Top of Tine at Maximum Height and Fork Level          | mm        | 4026           |
|     | Ordana to rop or time at Maximum rieight and ronk Eever         | in        | 158.5          |
| 10  | Overall Height of Fork at Full Lift (top of carriage to ground) | mm        | 5066           |
|     |   | in        | 199.5<br>1779  |
| 11  | Clearance at Full Lift and Max Dump                             | mm<br>in  | 70.0           |
|     |   |           |                |
| 12  | Max Discharge Angle from Horizontal                             | deg       | 52             |
| 12  | Overall Carriage Width  | mm        | 2528           |
| -13 | Overall Carriage Width  | in        | 99.5           |
| 14  | Overall Carriage Height   | mm        | 1130           |
|     |   | in        | 44.5           |
| 15  | Outside Tine Width (max spread)                                 | mm<br>in  | 2178<br>85.7   |
|     | · · · · · · · · · · · · · · · · · · ·                           | mm        | 576            |
| 16  | Outside Tine Width (min spread)                                 | in        | 22.7           |
|     | Time Militaly (simple 4ime)                                     | mm        | 180.0          |
|     | Tine Width (single tine)  | in        | 7.1            |
|     | Tine Thickness  | mm        | 90.0           |
|     | THE INICIALOS   | in        | 3.5            |
|     | Tine Capacity   | ka        | 11300          |
| _   | - 1 /   | lbs       | 24905          |
|     | Operating Weight  | ka        | 20930<br>46129 |
| _   | · · ·   | lbs       | 40129          |



Hinge (B) Pin Height (mm)

Payload (CEN EN 474-3 - Firm & Level





Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE\* J1197, ISO 14397-1, CEN\*\* EN 474-3.

WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

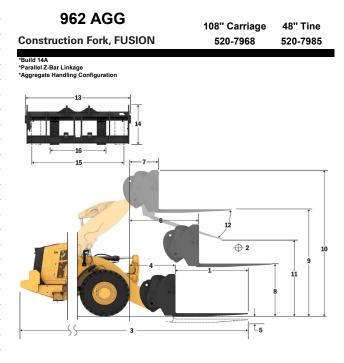


<sup>\*</sup>Negative values indicate below grade

#### **Fork Specifications**

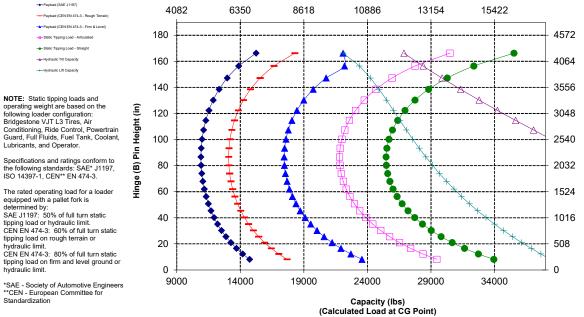
#### **Fork Specifications**

|    | ik Opecinications   |           |               |
|----|---|-----------|---------------|
| 1  | Tine Length   | mm<br>in  | 1219<br>48.0  |
| _  | 1 10 1  | mm        | 610           |
| 2  | Load Center   | in        | 24.0          |
|    | Static Tipping Load - Straight (Forks Level)                    | kg        | 11549         |
|    | Static Tipping Load - Straight (Forks Level)                    | lbs       | 25455         |
|    | Static Tipping Load - Articulated (Forks Level)                 | kg        | 9890          |
|    | otatio ripping 25dd - / illiodiatod (i orio 2575)               | lbs       | 21798         |
|    | Rated Load (SAE J1197 - 50% FTSTL)                              | kg        | 4945          |
|    | ,   | lbs       | 10899<br>5934 |
|    | Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)             | kg<br>lbs | 13079         |
|    |   | kg        | 7912          |
|    | Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)     | lbs       | 17439         |
| _  |   | mm        | 8946          |
| 3  | Maximum Overall Length  | in        | 352.2         |
| 4  | Reach with Forks at Ground Level                                | mm        | 1332          |
| -  | Reach with Forks at Ground Level                                | in        | 52.5          |
| 5  | *Ground to Bottom of Tine at Minimum Height and Fork Level      | mm        | -81           |
|    | Ground to Bottom of Time at Minimum Fleight and Fork Ecver      | in        | -3.2          |
| 6  | Reach with Arms Horizontal and Forks Level                      | mm        | 1841          |
|    | Trought Many and Trong Street and Tonio 2010                    | in        | 72.5          |
| 7  | Reach with Fork at Maximum Height                               | mm        | 963           |
|    | <u> </u>  | in        | 37.9          |
| 8  | Ground to Top of Tine with Arms Horizontal and Fork Level       | mm        | 1874          |
|    | ·   | in        | 73.8<br>4026  |
| 9  | Ground to Top of Tine at Maximum Height and Fork Level          | mm<br>in  | 158.5         |
|    |   | mm        | 5066          |
| 10 | Overall Height of Fork at Full Lift (top of carriage to ground) | in        | 199.5         |
|    | 0   | mm        | 2740          |
| 11 | Clearance at Full Lift and Max Dump                             | in        | 107.9         |
| 42 | May Discharge Angle from Harizantel                             |           |               |
| 12 | Max Discharge Angle from Horizontal                             | deg       | 52            |
| 12 | Overall Carriage Width  | mm        | 2833          |
|    | Overall Carriage Width  | in        | 111.5         |
| 14 | Overall Carriage Height   | mm        | 1130          |
|    | O Totali O atriago Tioigrit                                     | in        | 44.5          |
| 15 | Outside Tine Width (max spread)                                 | mm        | 2493          |
|    | · ' ' /   | in        | 98.1<br>590   |
| 16 | Outside Tine Width (min spread)                                 | mm<br>in  | 23.2          |
|    |   | mm        | 180.0         |
|    | Tine Width (single tine)  | in        | 7.1           |
|    | Time Thirdness  | mm        | 90.0          |
|    | Tine Thickness  | in        | 3.5           |
|    | Tine Conseits   | ka        | 22200         |
|    | Tine Capacity   | lbs       | 48929         |
|    | Operating Weight  | kg        | 20731         |
|    | Operating Weight  | lbs       | 45690         |
|    |   |           |               |



Payload (CEN EN 474-3 - Firm & Level

# Capacity (kg) (Calculated Load at CG Point)



The rated operating load for a loader equipped with a pallet fork is determined by: SAE J1197: 50% of full turn static tipping load or hydraulic limit. CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit. CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

Lubricants, and Operator.

\*SAE - Society of Automotive Engineers \*\*CEN - European Committee for Standardization



WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

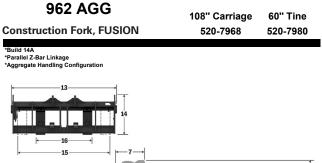
Hinge (B) Pin Height (mm)

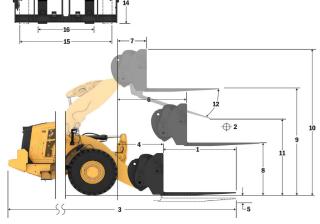
<sup>\*</sup>Negative values indicate below grade

## **Fork Specifications**

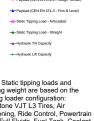
#### **Fork Specifications**

|    | opeomeanem  |           |                |
|----|---|-----------|----------------|
| 1  | Tine Length   | mm<br>in  | 1524<br>60.0   |
| _  |   | mm        | 762            |
| 2  | Load Center   | in        | 30.0           |
|    | Static Tipping Load - Straight (Forks Level)                        | kg        | 10978          |
|    | Otatic Tipping Load - Otraignt (Forks Level)                        | lbs       | 24195          |
|    | Static Tipping Load - Articulated (Forks Level)                     | kg        | 9392           |
|    | , ,   | lbs<br>kg | 20699<br>4696  |
|    | Rated Load (SAE J1197 - 50% FTSTL)                                  | lbs       | 10350          |
|    | D + 11  | kg        | 5635           |
|    | Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)                 | lbs       | 12420          |
|    | Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)         | kg        | 7513           |
|    | Trated Load (OEIV EIV 474-31 IIIII and Level Gloding - 00 /01 1012) | lbs       | 16559          |
| 3  | Maximum Overall Length  | mm        | 9251           |
|    |   | in        | 364.2          |
| 4  | Reach with Forks at Ground Level                                    | mm        | 1333<br>52.5   |
|    |   | in<br>mm  | -81            |
| 5  | *Ground to Bottom of Tine at Minimum Height and Fork Level          | in        | -3.2           |
| _  | D 1 7/1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1                           | mm        | 1842           |
| 6  | Reach with Arms Horizontal and Forks Level                          | in        | 72.5           |
| 7  | Reach with Fork at Maximum Height                                   | mm        | 963            |
| ′  | Reach with Fork at Maximum neight                                   | in        | 37.9           |
| 8  | Ground to Top of Tine with Arms Horizontal and Fork Level           | mm        | 1874           |
|    |   | in        | 73.8           |
| 9  | Ground to Top of Tine at Maximum Height and Fork Level              | mm        | 4026           |
|    | <u> </u>  | in<br>mm  | 158.5<br>5066  |
| 10 | Overall Height of Fork at Full Lift (top of carriage to ground)     | in        | 199.5          |
|    | 0   | mm        | 2500           |
| 11 | Clearance at Full Lift and Max Dump                                 | in        | 98.4           |
| 12 | Max Discharge Angle from Horizontal                                 | deg       | 52             |
| 12 | Max Discharge Angle Iron Honzonial                                  | uey       |                |
| 13 | Overall Carriage Width  | mm        | 2833           |
|    | O Toran Carrage Trian   | in        | 111.5          |
| 14 | Overall Carriage Height   | mm        | 1130           |
|    |   | in<br>mm  | 44.5<br>2483   |
| 15 | Outside Tine Width (max spread)                                     | in        | 97.8           |
|    | O L I L MORE / I D  | mm        | 590            |
| 16 | Outside Tine Width (min spread)                                     | in        | 23.2           |
|    | Tine Width (single tine)  | mm        | 180.0          |
|    | Title Wider (Single title)  | in        | 7.1            |
|    | Tine Thickness  | mm        | 90.0           |
|    |   | in        | 3.5            |
|    | Tine Capacity   | ka        | 17800          |
|    | <u> </u>  | lbs<br>ka | 39231<br>20793 |
|    | Operating Weight  | lbs       | 45827          |
|    |   | ins       | 75021          |





Hinge (B) Pin Height (mm)

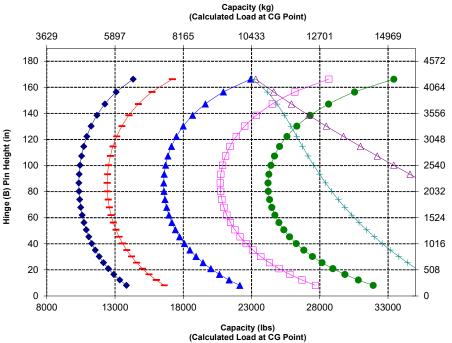


NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator. Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE\* J1197, ISO 14397-1, CEN\*\* EN 474-3.

The rated operating load for a loader equipped with a pallet fork is determined by: SAE J1197: 50% of full turn static tipping load or hydraulic limit. CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit. CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

\*SAE - Society of Automotive Engineers \*\*CEN - European Committee for Standardization





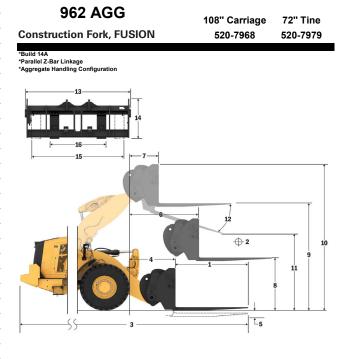
WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

<sup>\*</sup>Negative values indicate below grade

#### **Fork Specifications**

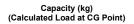
#### **Fork Specifications**

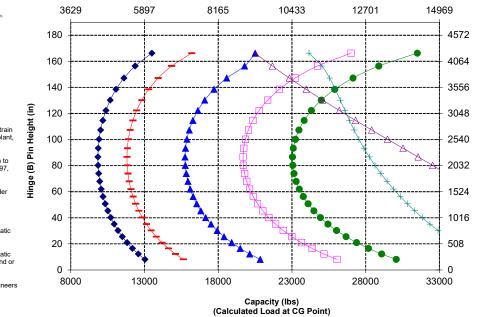
|     | ik Opecinications   |           |               |
|-----|---|-----------|---------------|
| 1   | Tine Length   | mm        | 1829<br>72.0  |
|     |   | in<br>mm  | 915           |
| 2   | Load Center   | in        | 36.0          |
|     | Static Tipping Load - Straight (Forks Level)                    | kg        | 10448         |
|     | Static ripping Load - Straight (Porks Level)                    | lbs       | 23027         |
|     | Static Tipping Load - Articulated (Forks Level)                 | kg        | 8929          |
|     | otatio ripping Load - / titodiated (1 onto Level)               | lbs       | 19679         |
|     | Rated Load (SAE J1197 - 50% FTSTL)                              | kg        | 4464          |
|     | ,                         | lbs       | 9840          |
|     | Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)             | kg<br>lbs | 5357<br>11808 |
|     | <u> </u>  | kg        | 7143          |
|     | Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)     | lbs       | 15744         |
| _   |   | mm        | 9556          |
| 3   | Maximum Overall Length  | in        | 376.2         |
|     | Barack with Fader at Consult I avail                            | mm        | 1333          |
| 4   | Reach with Forks at Ground Level                                | in        | 52.5          |
| 5   | *Ground to Bottom of Tine at Minimum Height and Fork Level      | mm        | -81           |
| э   | Ground to Bottom of Time at Minimum Height and Fork Level       | in        | -3.2          |
| 6   | Reach with Arms Horizontal and Forks Level                      | mm        | 1842          |
|     | Treach with Annis Horizontal and Forks Level                    | in        | 72.5          |
| 7   | Reach with Fork at Maximum Height                               | mm        | 963           |
|     | Trought Married at Marinan Troight                              | in        | 37.9          |
| 8   | Ground to Top of Tine with Arms Horizontal and Fork Level       | mm        | 1874          |
|     | <u> </u>  | in        | 73.8          |
| 9   | Ground to Top of Tine at Maximum Height and Fork Level          | mm        | 4026<br>158.5 |
|     | <u> </u>  | in<br>mm  | 5066          |
| 10  | Overall Height of Fork at Full Lift (top of carriage to ground) | in        | 199.5         |
|     |   | mm        | 2259          |
| 11  | Clearance at Full Lift and Max Dump                             | in        | 88.9          |
| 40  | Man Diaghanna Angla from Harimontal                             |           |               |
| 12  | Max Discharge Angle from Horizontal                             | deg       | 52            |
| 12  | Overall Carriage Width  | mm        | 2833          |
| -13 | Overall Carriage Width  | in        | 111.5         |
| 14  | Overall Carriage Height   | mm        | 1130          |
|     | O Torial Carriago Froight                                       | in        | 44.5          |
| 15  | Outside Tine Width (max spread)                                 | mm        | 2483          |
|     | - ( 1 /   | in        | 97.8          |
| 16  | Outside Tine Width (min spread)                                 | mm        | 590<br>23.2   |
|     |   | in<br>mm  | 180.0         |
|     | Tine Width (single tine)  | in        | 7.1           |
|     | T. T  | mm        | 90.0          |
|     | Tine Thickness  | in        | 3.5           |
|     | Tine Conseits   | ka        | 14800         |
|     | Tine Capacity   | lbs       | 32619         |
|     | Operating Weight  | kg        | 20855         |
|     | Operating weight  | lbs       | 45963         |
|     |   |           |               |



\*Negative values indicate below grade

Payload (CEN EN 474-3 - Firm & Level





NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator. Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE\* J1197, ISO 14397-1, CEN\*\* EN 474-3.

The rated operating load for a loader equipped with a pallet fork is determined by: SAE J1197: 50% of full turn static tipping load or hydraulic limit. CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit. CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

\*SAE - Society of Automotive Engineers \*\*CEN - European Committee for Standardization



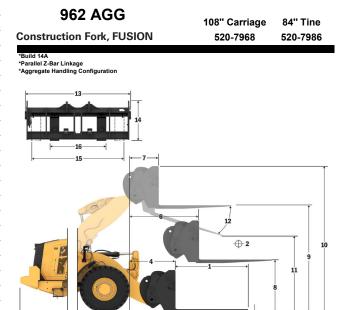
WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

Hinge (B) Pin Height (mm)

## **Fork Specifications**

#### **Fork Specifications**

|    | ik Opcomoduons  |           |                |
|----|---|-----------|----------------|
| 1  | Tine Length   | mm<br>in  | 2134<br>84.0   |
| _  |   | mm        | 1067           |
| 2  | Load Center   | in        | 42.0           |
|    | Static Tipping Load - Straight (Forks Level)                    | kg        | 9956           |
|    | Static Tipping Load - Straight (Forks Level)                    | lbs       | 21944          |
|    | Static Tipping Load - Articulated (Forks Level)                 | kg        | 8499           |
|    | otatio ripping zoda / ritodiatoa (r orito zoror)                | lbs       | 18732          |
|    | Rated Load (SAE J1197 - 50% FTSTL)                              | kg        | 4250           |
|    | ,   | lbs       | 9366<br>5100   |
|    | Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)             | kg<br>lbs | 11239          |
|    |   | kg        | 6799           |
|    | Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)     | lbs       | 14986          |
| _  | Manifestora Occasilla an eth                                    | mm        | 9861           |
| 3  | Maximum Overall Length  | in        | 388.2          |
| 4  | Reach with Forks at Ground Level                                | mm        | 1333           |
|    | Treach with Forks at Ground Level                               | in        | 52.5           |
| 5  | *Ground to Bottom of Tine at Minimum Height and Fork Level      | mm        | -81            |
|    | Croana to Bottom of Timo at himminan Florgin and Tone 2010.     | in        | -3.2           |
| 6  | Reach with Arms Horizontal and Forks Level                      | mm        | 1842           |
|    |   | in        | 72.5           |
| 7  | Reach with Fork at Maximum Height                               | mm        | 963            |
|    | <u>•</u>  | in<br>mm  | 37.9<br>1874   |
| 8  | Ground to Top of Tine with Arms Horizontal and Fork Level       | in        | 73.8           |
| _  | 0 11 7 77 111 1 1111 15 11 1                                    | mm        | 4026           |
| 9  | Ground to Top of Tine at Maximum Height and Fork Level          | in        | 158.5          |
| 10 | Overall Height of Fork at Full Lift (top of carriage to ground) | mm        | 5066           |
| 10 | Overall Height of Fork at Full Lift (top of carriage to ground) | in        | 199.5          |
| 11 | Clearance at Full Lift and Max Dump                             | mm        | 2019           |
|    | Clearance at 1 dil Elit and Wax Dunip                           | in        | 79.5           |
| 12 | Max Discharge Angle from Horizontal                             | deg       | 52             |
|    | 3 3   |           | 0000           |
| 13 | Overall Carriage Width  | mm<br>in  | 2833<br>111.5  |
|    |   | mm        | 1130           |
| 14 | Overall Carriage Height   | in        | 44.5           |
|    | 0 + : 1 T W: W / D  | mm        | 2483           |
| 15 | Outside Tine Width (max spread)                                 | in        | 97.8           |
| 16 | Outside Tine Width (min spread)                                 | mm        | 590            |
| 10 | Outside Title Width (Illin Spread)                              | in        | 23.2           |
|    | Tine Width (single tine)  | mm        | 180.0          |
|    | This That (ongo tho)  | in        | 7.1            |
|    | Tine Thickness  | mm        | 90.0           |
|    |   | in        | 3.5            |
|    | Tine Capacity   | kg        | 12700          |
| _  | <u> </u>  | lbs       | 27991          |
|    | Operating Weight  | kg<br>lbs | 20917<br>46100 |
|    |   | ınə       | 40100          |



Hinge (B) Pin Height (mm)

-Payload (CEN EN 474-3 - Firm & Level

NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

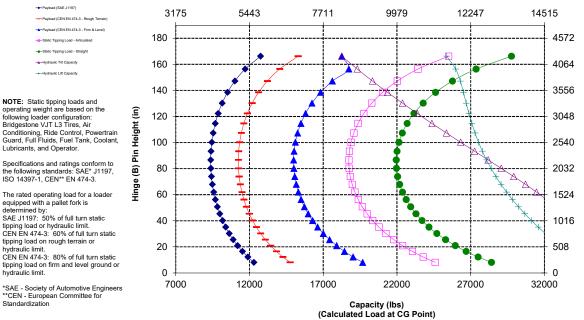
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SAE J1197: 50% of full turn static tipping load or hydraulic limit.
CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.
CEN EN 474-3: 80% of full turn static tipping load on ground the static tipping load on tipm and level cround or

tipping load on firm and level ground or hydraulic limit.

Lubricants, and Operator.

# Capacity (kg) (Calculated Load at CG Point)



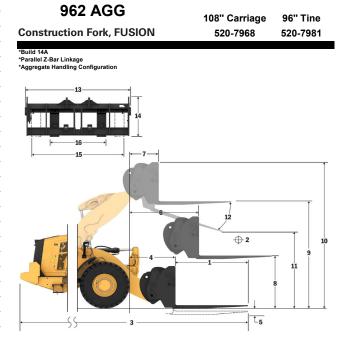
WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

<sup>\*</sup>Negative values indicate below grade

## **Fork Specifications**

#### **Fork Specifications**

| . • | opeoou  |           |                |
|-----|---|-----------|----------------|
| 1   | Tine Length   | mm<br>in  | 2438<br>96.0   |
| _   | Land Carden   | mm        | 1219           |
| 2   | Load Center   | in        | 48.0           |
|     | Static Tipping Load - Straight (Forks Level)                    | kg        | 9499           |
|     | State Tipping Load Statignt (1 Sins Lote)                       | lbs       | 20936          |
|     | Static Tipping Load - Articulated (Forks Level)                 | kg<br>lbs | 8099<br>17849  |
|     |   | kg        | 4049           |
|     | Rated Load (SAE J1197 - 50% FTSTL)                              | lbs       | 8925           |
|     | Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)             | kg        | 4859           |
|     | Rated Load (CEN EN 474-3 Rough Terrain - 00 % F131L)            | lbs       | 10710          |
|     | Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)     | kg        | 6479           |
|     | ,   | lbs       | 14280          |
| 3   | Maximum Overall Length  | mm<br>in  | 10165<br>400.2 |
|     |   | mm        | 1333           |
| 4   | Reach with Forks at Ground Level                                | in        | 52.5           |
| 5   | *Ground to Bottom of Tine at Minimum Height and Fork Level      | mm        | -81            |
|     | Ground to Bottom or Time at William Height and Pork Level       | in        | -3.2           |
| 6   | Reach with Arms Horizontal and Forks Level                      | mm        | 1842           |
|     |   | in        | 72.5           |
| 7   | Reach with Fork at Maximum Height                               | mm<br>in  | 963<br>37.9    |
| _   |   | mm        | 1874           |
| 8   | Ground to Top of Tine with Arms Horizontal and Fork Level       | in        | 73.8           |
| 9   | Ground to Top of Tine at Maximum Height and Fork Level          | mm        | 4026           |
|     | Ground to Top of Title at Maximum Height and Fork Level         | in        | 158.5          |
| 10  | Overall Height of Fork at Full Lift (top of carriage to ground) | mm        | 5066           |
|     | -   | in        | 199.5          |
| 11  | Clearance at Full Lift and Max Dump                             | mm<br>in  | 1779<br>70.0   |
|     |   |           |                |
| 12  | Max Discharge Angle from Horizontal                             | deg       | 52             |
| 13  | Overall Carriage Width  | mm        | 2833           |
|     | Overall Carriage virtual  | in        | 111.5          |
| 14  | Overall Carriage Height   | mm        | 1130           |
|     |   | in<br>mm  | 44.5<br>2483   |
| 15  | Outside Tine Width (max spread)                                 | in        | 97.8           |
| 40  | Outside Tine Width (min enroad)                                 | mm        | 590            |
| 10  | Outside Tine Width (min spread)                                 | in        | 23.2           |
|     | Tine Width (single tine)  | mm        | 180.0          |
|     | (0.2 1110)  | in        | 7.1            |
|     | Tine Thickness  | mm        | 90.0           |
|     |   | in        | 3.5<br>11300   |
|     | Tine Capacity   | ka<br>lbs | 24905          |
|     | O   | ka        | 20980          |
|     | Operating Weight  | lbs       | 46239          |
|     |   |           |                |



<sup>\*</sup>Negative values indicate below grade

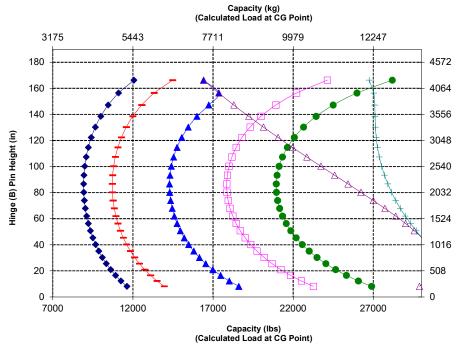


NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator. Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE\* J1197, ISO 14397-1, CEN\*\* EN 474-3.

The rated operating load for a loader equipped with a pallet fork is determined by: SAE J1197: 50% of full turn static tipping load or hydraulic limit. CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit. CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

\*SAE - Society of Automotive Engineers \*\*CEN - European Committee for Standardization



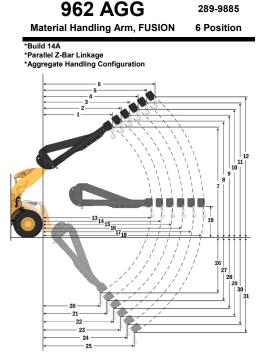


WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

Hinge (B) Pin Height (mm)

## **Material Handling Arm Specifications**

| MHA Specifications                                     |        | Retracted | Extension 1 | Extension 2 | Extension 3 | Extension 4 | Extended |
|--|--------|-----------|-------------|-------------|-------------|-------------|----------|
| Max Lift - Hook Eyelet Reach (1, 2, 3, 4, 5, 6)        | mm     | 2,386     | 2,539       | 2,692       | 2,845       | 2,998       | 3,151    |
| IVIAX LIIT - FIOOK Eyelet Reach (1, 2, 3, 4, 5, 6)     | ft, in | 7' 9"     | 8' 3"       | 8' 9"       | 9' 4"       | 9' 10"      | 10' 4"   |
| Max Lift - Hook Eyelet Height (7, 8, 9, 10, 11, 12)    | mm     | 6,963     | 7,226       | 7,490       | 7,754       | 8,017       | 8,281    |
| wax Liit - Hook Eyelet Height (7, 6, 9, 10, 11, 12)    | ft, in | 22' 10"   | 23' 8"      | 24' 6"      | 25' 5"      | 26' 3"      | 27' 2"   |
| Level - Hook Eyelet Reach (13, 14, 15, 16, 17, 18)     | mm     | 4,708     | 5,013       | 5,317       | 5,622       | 5,927       | 6,232    |
| Level - Hook Eyelet Reach (13, 14, 15, 16, 17, 18)     | ft, in | 15' 5"    | 16' 5"      | 17' 5"      | 18' 5"      | 19' 5"      | 20' 5"   |
| Level - Hook Eyelet Height (19)                        | mm     | 1,839     | 1,839       | 1,839       | 1,839       | 1,839       | 1,839    |
| Level - Hook Eyelet Height (19)                        | ft, in | 6' 0.3"   | 6' 0.3"     | 6' 0.3"     | 6' 0.3"     | 6' 0.3"     | 6' 0.3"  |
| Min Life Hank Funds Book (20, 24, 22, 23, 24, 25)      | mm     | 2,511     | 2,688       | 2,866       | 3,043       | 3,221       | 3,399    |
| Min Lift - Hook Eyelet Reach (20, 21, 22, 23, 24, 25)  | ft, in | 8' 2"     | 8' 9"       | 9' 4"       | 9' 11"      | 10' 6"      | 11' 1"   |
| Min Lift - Hook Eyelet Height (26, 27, 28, 29, 30, 31) | mm     | (2,614)   | (2,862)     | (3,109)     | (3,357)     | (3,605)     | (3,852)  |
| Min Litt - Hook Eyelet Height (26, 27, 26, 29, 30, 31) | ft, in | -8' 5"    | -9' 7"      | -10' 9"     | -11' 11"    | -11' 2"     | -12' 4"  |
| Chair Tinning Lond Charinta                            | kg     | 7,081     | 6,704       | 6,364       | 6,057       | 5,776       | 5,520    |
| Static Tipping Load, Straight                          | lb     | 15,606    | 14,776      | 14,027      | 13,349      | 12,731      | 12,167   |
| Chaffe Timeign Lond Astiguidated                       | kg     | 6,104     | 5,778       | 5,485       | 5,219       | 4,977       | 4,755    |
| Static Tipping Load, Articulated                       | lb     | 13,454    | 12,736      | 12,088      | 11,502      | 10,968      | 10,480   |
| On anation We inte                                     | kg     | 20,127    | 20,127      | 20,127      | 20,127      | 20,127      | 20,127   |
| Operating Weight                                       | lb     | 44,359    | 44,359      | 44,359      | 44,359      | 44,359      | 44,359   |





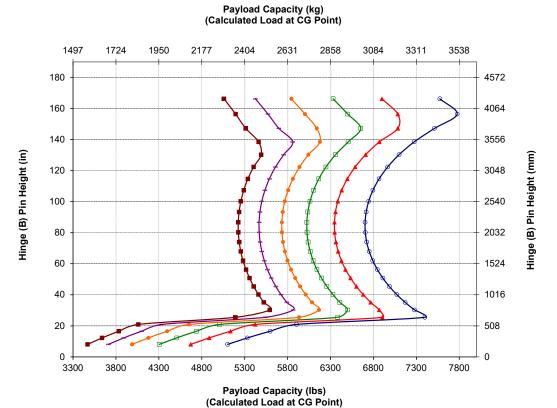
NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, FuelTank, Coolant, Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE\* J1197, ISO 14397-1

The rated operating load for a loader equipped with a material handling arm is determined by:

SAE J1197: 50% of full turn static tipping load or hydraulic limit.

\*SAE - Society of Automotive Engineers



## **Standard and Optional Equipment**

Standard and optional equipment may vary. Consult your Cat dealer for details.

|  | Standard | Optional     |
|--|----------|--------------|
| POWERTRAIN   |          |              |
| Cat® C7.1 engine   | ✓        |              |
| Electric fuel priming pump   | ✓        |              |
| Fuel-water separator and secondary fuel filter                       | ✓        |              |
| Engine, air precleaner   | ✓        |              |
| Turbine, air precleaner  |          | ✓            |
| Radiator, high debris  |          | ✓            |
| Cooling fan, reversible  |          | ✓            |
| Axles, open/open differentials**                                     | ✓        |              |
| Axles, front differential lock**                                     | ✓        |              |
| Axles, auto differential locks front and rear                        |          | ✓            |
| Axles, ecology drains, AOC ready, extreme temperature seals          |          | ✓            |
| Axles, oil cooler  |          | $\checkmark$ |
| Transmission, countershaft, automatic powershift                     | ✓        |              |
| Torque converter with lock-up  | ✓        |              |
| Service brakes, hydraulic, fully enclosed wet disc, wear indicators  | ✓        |              |
| Park brake, caliper on front axles, spring applied-pressure released | ✓        |              |
| ONBOARD TECHNOLOGIES   |          |              |
| Cat Payload scale  | ✓        |              |
| Autodig with auto set tires  | ✓        |              |
| Operator ID and machine security                                     | ✓        |              |
| Application profiles   | ✓        |              |
| Job aids   | ✓        |              |
| Controls help and eOMM   | ✓        |              |
| Cat Advanced Payload   |          | ✓            |
| Cat Payload printer  |          | ✓            |

|   | Standard | Optional |
|---|----------|----------|
| OPERATOR ENVIRONMENT                                |          |          |
| Cab, pressurized, sound suppression                 | ✓        |          |
| Door, remote opening system**                       |          | ✓        |
| EH implement controls, parking brake                | ✓        |          |
| HMU steering wheel                                  | ✓        |          |
| Steering, joystick                                  |          | ✓        |
| Entertainment radio                                 |          | ✓        |
| CB radio ready                                      |          | ✓        |
| Seat, cloth, air suspension                         | ✓        |          |
| Seat, suede/cloth, air suspension, heated           |          | ✓        |
| Seat, leather/cloth, air suspension, heated/cooled  |          | ✓        |
| Touchscreen display                                 | ✓        |          |
| Visibility: mirrors, rearview camera                | ✓        |          |
| Multiview (360°) vision system                      |          | ✓        |
| Cat Detect rear radar system                        |          | ✓        |
| Dedicated rearview screen                           |          | ✓        |
| Mirrors, heated                                     |          | ✓        |
| Air conditioner, heater, defroster (auto temp, fan) | ✓        |          |
| Sun visor, front and rear retractable               | ✓        |          |
| Window cleaning platform, front**                   |          | ✓        |
| Window, front, laminated                            |          | ✓        |
| Windows, front, heavy duty                          |          | ✓        |
| Full cab window guard                               |          | ✓        |

(continued on next page)

## Standard and Optional Equipment (continued)

Standard and optional equipment may vary. Consult your Cat dealer for details.

|   | Standard | Optional |
|---|----------|----------|
| ELECTRICAL  |          |          |
| Starting and charging system, 24V   | ✓        |          |
| Starter, electric, heavy duty   | ✓        |          |
| Cold start, 120V or 240V  |          | ✓        |
| Lights: halogen, 4 work lights, 2 front roading lights with turn signals, 2 rearview lights | ✓        |          |
| Lights: LED   |          | ✓        |
| Warning beacon  |          | ✓        |
| Reversing strobe lights   |          | ✓        |
| HYDRAULICS  |          |          |
| Implement system, load sensing with variable displacement piston pump                       | ✓        |          |
| Steering system, load sensing with dedicated variable displacement piston pump              | ✓        |          |
| Ride control, dual accumulators**   |          | ✓        |
| 3 <sup>rd</sup> and 4 <sup>th</sup> auxiliary functions with ride control                   |          | ✓        |
| Oil sampling valves, Cat XT <sup>TM</sup> hoses   | ✓        |          |
| Quick coupler control   |          | ✓        |
| LINKAGE   |          |          |
| Parallel lift, Z-bar  | ✓        |          |
| High lift   |          | ✓        |
| Kickouts: lift and tilt   | ✓        |          |

|  | Standard | Optional |
|--|----------|----------|
| MONITORING SYSTEM  |          |          |
| Front dash with analog gauges, LCD display, and warning lights                               | ✓        |          |
| Primary touchscreen monitor (Cat<br>Payload, quad screens, machine settings<br>and messages) | ✓        |          |
| ADDITIONAL EQUIPMENT   |          |          |
| Cat Autolube system  |          | ✓        |
| Fenders, extensions or roading   |          | ✓        |
| Guards: powertrain, crankcase, window glass, cylinders, rear                                 |          | ✓        |
| Biodegradable hydraulic oil  |          | ✓        |
| High-speed oil change system   |          | ✓        |
| Rear cab access  |          | ✓        |
| Toolbox  |          | ✓        |
| Wheel chocks   |          | ✓        |
| Secondary steering system, electrical**  |          | ✓        |
| SPECIAL CONFIGURATIONS*  |          |          |
| Aggregate handler counterweight  |          | ✓        |
| Waste and industrial   |          | ✓        |
| Forestry   |          | ✓        |
| Corrosion resistant  |          | ✓        |

<sup>\*</sup> Not all configurations available in all regions, subject to availability.
\*\* Standard or optional depending on region. Consult your dealer.

## 962 Environmental Declaration

The following information applies to the machine at the time of final manufacture as configured for sale in the regions covered in this document. The content of this declaration is valid as of the date issued; however, content related to machine features and specifications are subject to change without notice. For additional information, please see the machine's Operation and Maintenance Manual.

For more information on sustainability in action and our progress, please visit https://www.caterpillar.com/en/company/sustainability.html.

#### **Engine**

- The Cat® C7.1 engine meets U.S. EPA Tier 4 Final, EU Stage V, and Japan 2014 emission standards or Brazil MAR-1 and UN ECE R96 Stage IIIA emission standards, equivalent to U.S. EPA Tier 3 and EU Stage IIIA.
- Cat U.S. EPA Tier 4 Final, EU Stage V, Korea Stage V, China Nonroad Stage IV, Japan 2014 engines are required to use ULSD (ultra-low sulfur diesel fuel with 15 ppm of sulfur or less) or ULSD blended with the following lowercarbon intensity fuels up to:
  - ✓ 20% biodiesel FAME (fatty acid methyl ester)\*
  - √ 100% renewable diesel, HVO (hydrotreated vegetable oil) and GTL (gas-to-liquid) fuels
- Cat engines meeting Brazil MAR-1 and UN ECE R96 Stage IIIA emission standards, equivalent to U.S. EPA Tier 3 and EU Stage IIIA, are compatible with diesel fuel blended with the following lower-carbon intensity fuels up to:
  - √ 100% biodiesel FAME (fatty acid methyl ester)\*\*
  - ✓ 100% renewable diesel, HVO (hydrotreated vegetable oil) and GTL (gas-to-liquid) fuels

Refer to guidelines for successful application. Please consult your Cat dealer or "Caterpillar Machine Fluids Recommendations" (SEBU6250) for details.

- \*Engines with no aftertreatment devices can use higher blends, up to 30% biodiesel where mandated.
- \*\* For use of blends higher than 20% biodiesel, consult your Cat dealer.

#### **Air Conditioning System**

The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1430). The system contains 1.6 kg (3.5 lb) of refrigerant, which has a  $\rm CO_2$  equivalent of 2.288 metric tonnes (2.522 tons).

#### **Paint**

- Based on best available knowledge, the maximum allowable concentration, measured in parts per million (PPM), of the following heavy metals in paint are:
- Barium  $\leq 0.01\%$
- Cadmium < 0.01%
- Chromium < 0.01%
- Lead < 0.01%

#### Sound

| _ |  |           |
|---|--|-----------|
|   | Operator Sound Pressure Level (ISO 6396:2008)  | 70 dB(A)  |
|   | Exterior Sound Power Level (ISO 6395:2008)     | 107 dB(A) |
|   | Operator Sound Pressure Level (ISO 6396:2008)* | 69 dB(A)  |
|   | Exterior Sound Power Level (ISO 6395:2008)**   | 104 dB(A) |

- \* Including countries that adopt the EU and UK directives.
- \*\* European Union Noise Directive 2000/14/EC and UK Noise Regulation 2001 No. 1701.

#### **Oils and Fluids**

- Caterpillar factory fills with ethylene glycol coolants. Cat Diesel Engine Antifreeze/Coolant (DEAC) and Cat Extended Life Coolant (ELC) can be recycled. Consult your Cat dealer for more information.
- Cat Bio HYDO Advanced is an EU Ecolabel approved biodegradable hydraulic oil
- Additional fluids are likely to be present, please consult the Operations and Maintenance Manual or the Application and Installation guide for complete fluid recommendations and maintenance intervals.

#### **Features and Technology**

- The following features and technology may contribute to fuel savings and/or carbon reduction. Features may vary. Consult your Cat dealer for details.
  - Autodig with auto set tires provides consistent high bucket fill factors for up to 10% more productivity
- 5-speed advanced powershift transmission, including a lock-up clutch torque converter, delivers smooth shifting, fast acceleration, and speed on grade, amplifying your performance and fuel efficiency
- Reliable fuel systems boost machine performance and fuel economy, lowering overall costs and fuel consumption
- Automatic engine idle shutdown system reduces idle hours
- Extended maintenance intervals reduce fluid and filter consumption
- Remote Flash and Remote Troubleshoot

#### Recycling

 The materials included in machines are categorized as below with approximate weight percentage. Because of variations of product configurations, the following values in the table may vary.

| Material Type            | Weight Percentage |
|--------------------------|-------------------|
| Steel                    | 71.50%            |
| Iron                     | 12.37%            |
| Nonferrous Metal         | 2.29%             |
| Mixed Metal              | 0.57%             |
| Mixed Metal and Nonmetal | 0.57%             |
| Plastic                  | 1.10%             |
| Rubber                   | 6.09%             |
| Mixed Nonmetallic        | 0.03%             |
| Fluid                    | 2.57%             |
| Other                    | 2.91%             |
| Uncategorized            | 0.00%             |
| Total                    | 100%              |

A machine with higher recyclability rate will ensure more efficient usage
of valuable natural resources and enhance end-of-life value of the product.
According to ISO 16714 (Earthmoving machinery – Recyclability and
recoverability – Terminology and calculation method), recyclability rate is
defined as percentage by mass (mass fraction in percent) of the new machine
potentially able to be recycled, reused or both.

All parts in the bill of material are first evaluated by component type based on a list of components defined by the ISO 16714 and Japan CEMA (Construction Equipment Manufacturers Association) standards. Remaining parts are further evaluated for recyclability based on material type.

Because of variations of product configurations, the following value in the table may vary.

Recyclability - 98%



# 962

# Waste & Scrap Handler

The Cat 962 Wheel Loader Waste and Scrap Handler package features guarding and reinforcement necessary for work in transfer stations, recycling depots, scrap yards, and demolition sites.

#### **Proven Reliability**

- Cat C7.1 engine offers high power density with a combination of proven electronics, fuel, and air systems.
- Equipped with automatic Cat regeneration system, Cat Clean Emissions Module (CEM) with diesel particulate filter (DPF), and diesel exhaust fluid (DEF) tank and pump.
- Thorough component design and machine validation processes result in unmatched reliability and uptime.

#### **Durability**

- Waste and scrap handler package adds additional steel guards all around the machine to protect your investment and keep debris out of the implement valve and engine compartments.
- Heavy-duty steel cable lower steps stand up to the harshest of conditions.
- Heavy-duty transmission and axles designed to handle waste and scrap applications.
- Automatic countershaft powershift (5F/3R) transmission features durable, long-lasting components.

#### **Achieve Greater Fuel Efficiency and Productivity**

- Optional high lift linkage provides additional dump clearance.
- Optional 3rd and 4th valve hydraulics for work tools that require additional functions.
- Optional variable pitch fan and high debris cooling cores keep the cores free from debris.
- Five-speed transmission and lock-up clutch torque converter, powertrains deliver smooth shifting, fast acceleration, and speed on grade for greater performance and fuel efficiency.
- Deeply integrated engine, powertrain, and hydraulic systems deliver unmatched productivity and fuel efficiency.

#### **Safety Features**

- Rear-vision camera enhances visibility behind the machine, helping you work safely and confidently.
- Cab access with wide door, optional remote door opening, and inclined steps add solid stability.
- Floor-to-ceiling windshield, large mirrors with integrated spot mirrors, and rear-vision camera provide industry leading all-around visibility.
- Monitored seat belt is standard and can be enhanced with an optional exterior indicator.

- Optional multiview (360°) vision system helps the operator monitor the surroundings of the machine at all times.
- Optional Cat Detect radar technology enhances awareness by monitoring the working environment and alerts operators to hazards.
- Optional access light and under-hood service light system to provide illuminated access to the machine and daily checks even in the dark.

#### **Reduced Maintenance Time and Costs**

- Extended fluid and filter change intervals reduce maintenance costs by up to 30%.\*
- Optional turbine engine air precleaner improves air filter life.
- Remote Troubleshoot can connect the machine to the dealer service department to help diagnose problems quickly so you can get back to work.
- Remote Flash works around your schedule to ensure your machine's software is up to date for optimal performance.
- One-piece tilting hood makes engine compartment access fast and easy.
- Optional integrated autolube extends component and service life.

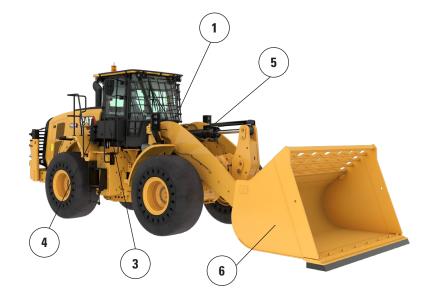
#### Work in Comfort in the All New Cab

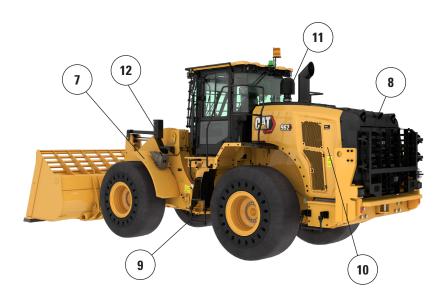
- Carbon cab air filter reduces cabin odors.
- Optional powered cabin precleaner filters the incoming air and pressurizes the cab.
- Next-generation, easily adjustable seat and suspension for improved operator comfort. It comes in three trim levels and can be equipped with a 4-point harness (kit).
- New in-cab dashboard and high-resolution touch display(s) are easy to use, intuitive, and user friendly.
- Sound suppression, seals, and viscous cab mounts decrease noise and vibration for a quieter work environment.
- The seat-mounted electro-hydraulic joystick steering system provides precision control and dramatically reduces arm fatigue, resulting in excellent comfort and accuracy. Standard in North America and optional in all other regions.
- The hydraulic metering unit (HMU) steering wheel provides precision control, resulting in excellent comfort and accuracy. Standard in all regions except North America. Limited optional availability for North America, consult your Cat dealer.

<sup>\*</sup>Parts and fluids only.

#### 962 Waste and Scrap Handler Features

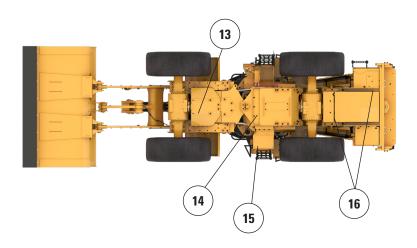
- 1. Optional window guarding to provide impact resistance to the glass
- 2. Added steel guards include crankcase, powertrain, front frame, hitch, steering cylinder, service center, cab, platform, implement valve cover, and tilt cylinder
- 3. Carbon cab air filter removes harsh odors
- Optional powered cab precleaner helps to improve cab filter life and keeps the cab pressurized
- Optional 3<sup>rd</sup> and 4<sup>th</sup> valve hydraulics available to control a large variety of work tools
- 6. Large line of Cat waste and scrap work tools





- 7. Narrow front steel fenders help to keep the windshield clean and are set inboard of the outer edge of the tire for added protection
- 8. Optional rear guard protects the rear grill and cooling package from impact
- 9. Heavy-duty steel cable lower steps stand up to the harshest conditions
- Optional variable pitch fan and high debris cooling cores help to keep the cooling package clean
- 11. Optional turbine engine air precleaner with a trash screen option helps to extend engine air filter life
- 12. Front lights are guarded and positioned close to the frame for added protection

- Lower front frame guard protects vital drivetrain components and keeps trash from getting in the front frame compartment
- 14. Powertrain guard protects the transmission and helps keep trash out of the engine compartment
- Lower hydraulic service center guard protects the transmission filter and keeps trash out of the service center
- 16. Rear crankcase and platform guards keep trash and debris out



## **Tire Options**

| Tire Brand  | BRAWLER         | BRAWLER            | BRIDGESTONE           | MAXAM                 | MICHELIN              |
|---|-----------------|--------------------|-----------------------|-----------------------|-----------------------|
| Tire Size   | 23.5X25         | 23.5X25            | 23.5R25               | 23.5R25               | 23.5R25               |
| Tread Type  | N/A             | N/A                | L-3                   | L-3                   | L-3                   |
| Tread Pattern   | SMOOTH          | TRACTION           | VJT                   | MS302                 | XHA2                  |
| Casing Strength   | SOLID           | SOLID              | *                     | **                    | *                     |
| Width over Tires – Maximum (empty)*                       | 2140 mm<br>7'1" | 2140 mm<br>7'1"    | 2804 mm<br>9'3"       | 2825 mm<br>9'4"       | 2823 mm<br>9'4"       |
| Width over Tires – Maximum (loaded)*                      | 2140 mm<br>7'1" | 2140 mm<br>7'1"    | 2825 mm<br>9'4"       | 2829 mm<br>9'4"       | 2830 mm<br>9'4"       |
| Change in Vertical Dimensions (average of front and rear) |                 | 0 mm<br>0"         | -71 mm<br>-2.8"       | -54 mm<br>-2.1"       | -61 mm<br>-2.4"       |
| Change in Horizontal Reach                                |                 | 0 mm<br>0"         | 15 mm<br>0.6"         | 1 mm<br>0"            | 9 mm<br>0.4"          |
| Change in Clearance Circle to Outside of Tires            |                 | 0 mm<br>0"         | 685 mm<br>27.0"       | 689 mm<br>27.1"       | 690 mm<br>27.2"       |
| Change in Clearance Circle to Inside of Tires             |                 | 0 mm<br>0"         | -685 mm<br>-27.0"     | -689 mm<br>-27.1"     | -690 mm<br>-27.2"     |
| Change in Operating Weight (without ballast)              |                 | -144 kg<br>-318 lb | -3208 kg<br>-7,074 lb | -3208 kg<br>-7,074 lb | -3364 kg<br>-7,418 lb |
| Change in Static Tipping Load – Straight                  |                 | -96 kg<br>-212 lb  | -2037 kg<br>-4,492 lb | -2037 kg<br>-4,492 lb | -2136 kg<br>-4,710 lb |
| Change in Static Tipping Load – Articulated               |                 | -84 kg<br>-185 lb  | -1780 kg<br>-3,926 lb | -1780 kg<br>-3,926 lb | -1867 kg<br>-4,117 lb |
| Rear Axle Oscillation Angle                               | ±8 degrees      | ±8 degrees         | ±13 degrees           | ±13 degrees           | ±13 degrees           |
| Maximum Single-Wheel Rise and Fall                        | 298 mm<br>1'0"  | 298 mm<br>1'0"     | 481 mm<br>1'7"        | 481 mm<br>1'7"        | 481 mm<br>1'7"        |

<sup>\*</sup>Width over tire bulge and includes tire growth.

## **Operating Specifications – Buckets**

| Linkage                                  |        | Standard Linkage         |                          |        |                          |                       |        |
|--|--------|--------------------------|--------------------------|--------|--------------------------|-----------------------|--------|
| Bucket Type                              |        |                          | General Purpose – Pin-On |        |                          |                       |        |
| Edge Type                                |        | Bolt-On<br>Cutting Edges | Teeth and<br>Segments    | Tips   | Bolt-On<br>Cutting Edges | Teeth and<br>Segments | Tips   |
| Capacity – Rated                         | $m^3$  | 3.10                     | 3.10                     | 2.90   | 3.40                     | 3.40                  | 3.20   |
|  | $yd^3$ | 4.00                     | 4.00                     | 3.75   | 4.50                     | 4.50                  | 4.25   |
| Capacity – Rated at 110% Fill Factor     | $m^3$  | 3.40                     | 3.40                     | 3.20   | 3.70                     | 3.70                  | 3.50   |
|  | $yd^3$ | 4.50                     | 4.50                     | 4.25   | 4.75                     | 4.75                  | 4.50   |
| Width                                    | mm     | 2927                     | 2994                     | 2994   | 2927                     | 2994                  | 2994   |
|  | ft/in  | 9'7"                     | 9'9"                     | 9'9"   | 9'7"                     | 9'9"                  | 9'9"   |
| 16† Dump Clearance at Maximum Lift       | mm     | 3146                     | 3028                     | 3028   | 3089                     | 2970                  | 2970   |
| and 45° Discharge                        | ft/in  | 10'3"                    | 9'11"                    | 9'11"  | 10'1"                    | 9'8"                  | 9'8"   |
| 17† Reach at Maximum Lift and            | mm     | 1354                     | 1465                     | 1465   | 1397                     | 1507                  | 1507   |
| 45° Discharge                            | ft/in  | 4'5"                     | 4'9"                     | 4'9"   | 4'7"                     | 4'11"                 | 4'11"  |
| Reach at Level Lift Arm and              | mm     | 2777                     | 2938                     | 2938   | 2850                     | 3011                  | 3011   |
| Bucket Level                             | ft/in  | 9'1"                     | 9'7"                     | 9'7"   | 9'4"                     | 9'10"                 | 9'10"  |
| A† Digging Depth                         | mm     | 35                       | 35                       | 5      | 35                       | 35                    | 5      |
|  | in     | 1.4"                     | 1.4"                     | 0.2"   | 1.4"                     | 1.4"                  | 0.2"   |
| 12† Overall Length                       | mm     | 8445                     | 8619                     | 8619   | 8518                     | 8692                  | 8692   |
|  | ft/in  | 27'9"                    | 28'4"                    | 28'4"  | 28'0"                    | 28'7"                 | 28'7"  |
| <b>B</b> † Overall Height with Bucket at | mm     | 5795                     | 5795                     | 5795   | 5866                     | 5866                  | 5866   |
| Maximum Lift                             | ft/in  | 19'1"                    | 19'1"                    | 19'1"  | 19'3"                    | 19'3"                 | 19'3"  |
| Loader Clearance Circle Radius           | mm     | 6783                     | 6869                     | 6869   | 6805                     | 6892                  | 6892   |
| with Bucket at Carry Position            | ft/in  | 22'4"                    | 22'7"                    | 22'7"  | 22'4"                    | 22'8"                 | 22'8"  |
| Static Tipping Load, Straight            | kg     | 15 448                   | 15 308                   | 15 618 | 15 274                   | 15 132                | 15 437 |
| (No tire deflection)                     | 1b     | 34,059                   | 33,748                   | 34,432 | 33,675                   | 33,361                | 34,034 |
| Static Tipping Load, Articulated         | kg     | 13 485                   | 13 344                   | 13 634 | 13 319                   | 13 177                | 13 462 |
| (No tire deflection)                     | 1b     | 29,730                   | 29,419                   | 30,058 | 29,364                   | 29,051                | 29,679 |
| Breakout Force(§)                        | kN     | 196                      | 195                      | 213    | 185                      | 184                   | 200    |
|  | lbf    | 44,188                   | 43,967                   | 48,064 | 41,627                   | 41,406                | 45,080 |
| Operating Weight*                        | kg     | 23 117                   | 23 225                   | 23 068 | 23 211                   | 23 319                | 23 162 |
|  | 1b     | 50,965                   | 51,203                   | 50,856 | 51,170                   | 51,409                | 51,062 |

<sup>\*</sup> Static tipping loads and operating weights shown are based on a machine configuration with Brawler 23.5X25 Smooth solid tires, full fluids, operator, cab precleaner, fabricated counterweight with rear guard (1460 kg), flat window glass with front guard, industrial package, ride control, standard starting, narrow fenders, turbine engine precleaner, Product Link, auto diff lock axles (front/rear), powertrain guard, standard steering, industrial sound suppression and variable pitch fan.

<sup>†</sup> Illustration shown with Dimension charts.

<sup>(§)</sup> Measured 100 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with ISO 14397-2:2007.

<sup>(</sup>With tire deflection) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

<sup>(</sup>No tire deflection) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

Other buckets are available and offerings vary by region. Consult your local Cat dealer for further details.

| Linkage Standard Linkage                 |                |                          |                       |        |                          |                       |        |
|--|----------------|--------------------------|-----------------------|--------|--------------------------|-----------------------|--------|
| Bucket Type                              |                |                          |                       |        |                          |                       |        |
| Edge Type                                |                | Bolt-On<br>Cutting Edges | Teeth and<br>Segments | Tips   | Bolt-On<br>Cutting Edges | Teeth and<br>Segments | Tips   |
| Capacity – Rated                         | m <sup>3</sup> | 3.60                     | 3.60                  | 3.40   | 3.80                     | 3.80                  | 3.60   |
|  | $yd^3$         | 4.75                     | 4.75                  | 4.50   | 5.00                     | 5.00                  | 4.75   |
| Capacity – Rated at 110% Fill Factor     | m <sup>3</sup> | 4.00                     | 4.00                  | 3.70   | 4.20                     | 4.20                  | 4.00   |
|  | $yd^3$         | 5.25                     | 5.25                  | 4.75   | 5.50                     | 5.50                  | 5.25   |
| Width                                    | mm             | 2927                     | 2994                  | 2994   | 2927                     | 2994                  | 2994   |
|  | ft/in          | 9'7"                     | 9'9"                  | 9'9"   | 9'7"                     | 9'9"                  | 9'9"   |
| 16† Dump Clearance at Maximum Lift       | mm             | 3063                     | 2943                  | 2943   | 3028                     | 2908                  | 2908   |
| and 45° Discharge                        | ft/in          | 10'0"                    | 9'7"                  | 9'7"   | 9'11"                    | 9'6"                  | 9'6"   |
| 17† Reach at Maximum Lift and            | mm             | 1419                     | 1528                  | 1528   | 1448                     | 1557                  | 1557   |
| 45° Discharge                            | ft/in          | 4'7"                     | 5'0"                  | 5'0"   | 4'9"                     | 5'1"                  | 5'1"   |
| Reach at Level Lift Arm and              | mm             | 2885                     | 3046                  | 3046   | 2931                     | 3092                  | 3092   |
| Bucket Level                             | ft/in          | 9'5"                     | 9'11"                 | 9'11"  | 9'7"                     | 10'1"                 | 10'1"  |
| A† Digging Depth                         | mm             | 35                       | 35                    | 5      | 35                       | 35                    | 5      |
|  | in             | 1.4"                     | 1.4"                  | 0.2"   | 1.4"                     | 1.4"                  | 0.2"   |
| 12† Overall Length                       | mm             | 8553                     | 8727                  | 8727   | 8599                     | 8773                  | 8773   |
|  | ft/in          | 28'1"                    | 28'8"                 | 28'8"  | 28'3"                    | 28'10"                | 28'10" |
| <b>B</b> † Overall Height with Bucket at | mm             | 5900                     | 5900                  | 5900   | 5947                     | 5947                  | 5947   |
| Maximum Lift                             | ft/in          | 19'5"                    | 19'5"                 | 19'5"  | 19'7"                    | 19'7"                 | 19'7"  |
| Loader Clearance Circle Radius           | mm             | 6816                     | 6903                  | 6903   | 6830                     | 6918                  | 6918   |
| with Bucket at Carry Position            | ft/in          | 22'5"                    | 22'8"                 | 22'8"  | 22'5"                    | 22'9"                 | 22'9"  |
| Static Tipping Load, Straight            | kg             | 15 199                   | 15 056                | 15 357 | 15 092                   | 14 949                | 15 245 |
| (No tire deflection)                     | 1b             | 33,508                   | 33,193                | 33,857 | 33,273                   | 32,957                | 33,610 |
| Static Tipping Load, Articulated         | kg             | 13 248                   | 13 105                | 13 386 | 13 147                   | 13 003                | 13 280 |
| (No tire deflection)                     | lb             | 29,207                   | 28,892                | 29,512 | 28,985                   | 28,668                | 29,278 |
| Breakout Force(§)                        | kN             | 180                      | 179                   | 194    | 173                      | 172                   | 187    |
|  | lbf            | 40,500                   | 40,278                | 43,774 | 39,095                   | 38,872                | 42,155 |
| Operating Weight*                        | kg             | 23 247                   | 23 355                | 23 198 | 23 302                   | 23 410                | 23 253 |
|  | 1b             | 51,251                   | 51,489                | 51,143 | 51,371                   | 51,610                | 51,263 |

<sup>\*</sup> Static tipping loads and operating weights shown are based on a machine configuration with Brawler 23.5X25 Smooth solid tires, full fluids, operator, cab precleaner, fabricated counterweight with rear guard (1460 kg), flat window glass with front guard, industrial package, ride control, standard starting, narrow fenders, turbine engine precleaner, Product Link, auto diff lock axles (front/rear), powertrain guard, standard steering, industrial sound suppression and variable pitch fan.

<sup>†</sup> Illustration shown with Dimension charts.

<sup>(§)</sup> Measured 100 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with ISO 14397-2:2007.

<sup>(</sup>With tire deflection) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

<sup>(</sup>No tire deflection) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

Other buckets are available and offerings vary by region. Consult your local Cat dealer for further details.

| Linkage                                  |        |                          | Standard Linkage                   |        |                          |                       |        |  |
|--|--------|--------------------------|------------------------------------|--------|--------------------------|-----------------------|--------|--|
| Bucket Type                              |        |                          | General Purpose – Hook-On – Fusion |        |                          |                       |        |  |
| Edge Type                                |        | Bolt-On<br>Cutting Edges | Teeth and<br>Segments              | Tips   | Bolt-On<br>Cutting Edges | Teeth and<br>Segments | Tips   |  |
| Capacity – Rated                         | $m^3$  | 3.10                     | 3.10                               | 2.90   | 3.40                     | 3.40                  | 3.20   |  |
|  | $yd^3$ | 4.00                     | 4.00                               | 3.75   | 4.50                     | 4.50                  | 4.25   |  |
| Capacity - Rated at 110% Fill Factor     | $m^3$  | 3.40                     | 3.40                               | 3.20   | 3.70                     | 3.70                  | 3.50   |  |
|  | $yd^3$ | 4.50                     | 4.50                               | 4.25   | 4.75                     | 4.75                  | 4.50   |  |
| Width                                    | mm     | 2927                     | 2994                               | 2994   | 2927                     | 2994                  | 2994   |  |
|  | ft/in  | 9'7"                     | 9'9"                               | 9'9"   | 9'7"                     | 9'9"                  | 9'9"   |  |
| 16† Dump Clearance at Maximum Lift       | mm     | 3106                     | 2988                               | 2988   | 3049                     | 2930                  | 2930   |  |
| and 45° Discharge                        | ft/in  | 10'2"                    | 9'9"                               | 9'9"   | 10'0"                    | 9'7"                  | 9'7"   |  |
| 17† Reach at Maximum Lift and            | mm     | 1399                     | 1510                               | 1510   | 1442                     | 1552                  | 1552   |  |
| 45° Discharge                            | ft/in  | 4'7"                     | 4'11"                              | 4'11"  | 4'8"                     | 5'1"                  | 5'1"   |  |
| Reach at Level Lift Arm and              | mm     | 2837                     | 2998                               | 2998   | 2910                     | 3071                  | 3071   |  |
| Bucket Level                             | ft/in  | 9'3"                     | 9'10"                              | 9'10"  | 9'6"                     | 10'0"                 | 10'0"  |  |
| A† Digging Depth                         | mm     | 35                       | 35                                 | 5      | 35                       | 35                    | 5      |  |
|  | in     | 1.4"                     | 1.4"                               | 0.2"   | 1.4"                     | 1.4"                  | 0.2"   |  |
| 12† Overall Length                       | mm     | 8505                     | 8679                               | 8679   | 8578                     | 8752                  | 8752   |  |
|  | ft/in  | 27'11"                   | 28'6"                              | 28'6"  | 28'2"                    | 28'9"                 | 28'9"  |  |
| <b>B</b> † Overall Height with Bucket at | mm     | 5828                     | 5828                               | 5828   | 5900                     | 5900                  | 5900   |  |
| Maximum Lift                             | ft/in  | 19'2"                    | 19'2"                              | 19'2"  | 19'5"                    | 19'5"                 | 19'5"  |  |
| Loader Clearance Circle Radius           | mm     | 6797                     | 6884                               | 6884   | 6820                     | 6908                  | 6908   |  |
| with Bucket at Carry Position            | ft/in  | 22'4"                    | 22'8"                              | 22'8"  | 22'5"                    | 22'8"                 | 22'8"  |  |
| Static Tipping Load, Straight            | kg     | 14 822                   | 14 682                             | 15 039 | 14 680                   | 14 539                | 14 893 |  |
| (No tire deflection)                     | 1b     | 32,678                   | 32,369                             | 33,156 | 32,366                   | 32,053                | 32,834 |  |
| Static Tipping Load, Articulated         | kg     | 12 889                   | 12 749                             | 13 086 | 12 755                   | 12 613                | 12 948 |  |
| (No tire deflection)                     | 1b     | 28,416                   | 28,106                             | 28,849 | 28,120                   | 27,808                | 28,546 |  |
| Breakout Force(§)                        | kN     | 187                      | 186                                | 202    | 176                      | 175                   | 190    |  |
|  | lbf    | 42,081                   | 41,859                             | 45,605 | 39,754                   | 39,532                | 42,911 |  |
| Operating Weight*                        | kg     | 23 587                   | 23 695                             | 23 538 | 23 657                   | 23 765                | 23 608 |  |
|  | lb     | 52,000                   | 52,238                             | 51,892 | 52,154                   | 52,392                | 52,046 |  |

<sup>\*</sup> Static tipping loads and operating weights shown are based on a machine configuration with Brawler 23.5X25 Smooth solid tires, full fluids, operator, cab precleaner, fabricated counterweight with rear guard (1460 kg), flat window glass with front guard, industrial package, ride control, standard starting, narrow fenders, turbine engine precleaner, Product Link, auto diff lock axles (front/rear), powertrain guard, standard steering, industrial sound suppression and variable pitch fan.

<sup>†</sup> Illustration shown with Dimension charts.

<sup>(§)</sup> Measured 100 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with ISO 14397-2:2007.

<sup>(</sup>With tire deflection) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

<sup>(</sup>No tire deflection) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

Other buckets are available and offerings vary by region. Consult your local Cat dealer for further details.

| Linkage Standard Linkage                 |                |                                    |                       |        |                          |                       |        |  |  |
|--|----------------|------------------------------------|-----------------------|--------|--------------------------|-----------------------|--------|--|--|
| Bucket Type                              |                | General Purpose – Hook-On – Fusion |                       |        |                          |                       |        |  |  |
| Edge Type                                |                | Bolt-On<br>Cutting Edges           | Teeth and<br>Segments | Tips   | Bolt-On<br>Cutting Edges | Teeth and<br>Segments | Tips   |  |  |
| Capacity – Rated                         | m <sup>3</sup> | 3.60                               | 3.60                  | 3.40   | 3.80                     | 3.80                  | 3.60   |  |  |
|  | yd³            | 4.75                               | 4.75                  | 4.50   | 5.00                     | 5.00                  | 4.75   |  |  |
| Capacity – Rated at 110% Fill Factor     | m <sup>3</sup> | 4.00                               | 4.00                  | 3.70   | 4.20                     | 4.20                  | 4.00   |  |  |
|  | $yd^3$         | 5.25                               | 5.25                  | 4.75   | 5.50                     | 5.50                  | 5.25   |  |  |
| Width                                    | mm             | 2927                               | 2994                  | 2994   | 2927                     | 2994                  | 2994   |  |  |
|  | ft/in          | 9'7"                               | 9'9"                  | 9'9"   | 9'7"                     | 9'9"                  | 9'9"   |  |  |
| 16† Dump Clearance at Maximum Lift       | mm             | 3023                               | 2903                  | 2903   | 2988                     | 2868                  | 2868   |  |  |
| and 45° Discharge                        | ft/in          | 9'11"                              | 9'6"                  | 9'6"   | 9'9"                     | 9'4"                  | 9'4"   |  |  |
| 17† Reach at Maximum Lift and            | mm             | 1464                               | 1573                  | 1573   | 1493                     | 1602                  | 1602   |  |  |
| 45° Discharge                            | ft/in          | 4'9"                               | 5'1"                  | 5'1"   | 4'10"                    | 5'3"                  | 5'3"   |  |  |
| Reach at Level Lift Arm and              | mm             | 2945                               | 3106                  | 3106   | 2991                     | 3152                  | 3152   |  |  |
| Bucket Level                             | ft/in          | 9'7"                               | 10'2"                 | 10'2"  | 9'9"                     | 10'4"                 | 10'4"  |  |  |
| A† Digging Depth                         | mm             | 35                                 | 35                    | 5      | 35                       | 35                    | 5      |  |  |
|  | in             | 1.4"                               | 1.4"                  | 0.2"   | 1.4"                     | 1.4"                  | 0.2"   |  |  |
| 12† Overall Length                       | mm             | 8613                               | 8787                  | 8787   | 8659                     | 8833                  | 8833   |  |  |
|  | ft/in          | 28'4"                              | 28'10"                | 28'10" | 28'5"                    | 29'0"                 | 29'0"  |  |  |
| <b>B</b> † Overall Height with Bucket at | mm             | 5934                               | 5934                  | 5934   | 5981                     | 5981                  | 5981   |  |  |
| Maximum Lift                             | ft/in          | 19'6"                              | 19'6"                 | 19'6"  | 19'8"                    | 19'8"                 | 19'8"  |  |  |
| Loader Clearance Circle Radius           | mm             | 6831                               | 6919                  | 6919   | 6846                     | 6934                  | 6934   |  |  |
| with Bucket at Carry Position            | ft/in          | 22'5"                              | 22'9"                 | 22'9"  | 22'6"                    | 22'9"                 | 22'9"  |  |  |
| Static Tipping Load, Straight            | kg             | 14 610                             | 14 468                | 14 821 | 14 517                   | 14 374                | 14 726 |  |  |
| (No tire deflection)                     | 1b             | 32,210                             | 31,896                | 32,675 | 32,006                   | 31,690                | 32,466 |  |  |
| Static Tipping Load, Articulated         | kg             | 12 688                             | 12 546                | 12 880 | 12 601                   | 12 458                | 12 791 |  |  |
| (No tire deflection)                     | 1b             | 27,974                             | 27,660                | 28,396 | 27,781                   | 27,465                | 28,199 |  |  |
| Breakout Force(§)                        | kN             | 172                                | 171                   | 185    | 166                      | 165                   | 179    |  |  |
|  | lbf            | 38,718                             | 38,496                | 41,719 | 37,428                   | 37,205                | 40,241 |  |  |
| Operating Weight*                        | kg             | 23 691                             | 23 799                | 23 642 | 23 736                   | 23 844                | 23 687 |  |  |
|  | 1b             | 52,229                             | 52,468                | 52,121 | 52,329                   | 52,567                | 52,221 |  |  |

<sup>\*</sup> Static tipping loads and operating weights shown are based on a machine configuration with Brawler 23.5X25 Smooth solid tires, full fluids, operator, cab precleaner, fabricated counterweight with rear guard (1460 kg), flat window glass with front guard, industrial package, ride control, standard starting, narrow fenders, turbine engine precleaner, Product Link, auto diff lock axles (front/rear), powertrain guard, standard steering, industrial sound suppression and variable pitch fan.

<sup>†</sup> Illustration shown with Dimension charts.

<sup>(§)</sup> Measured 100 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with ISO 14397-2:2007.

<sup>(</sup>With tire deflection) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

<sup>(</sup>No tire deflection) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

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| Linkage                                  |                | Standard Linkage             |  |
|--|----------------|------------------------------|--|
| Bucket Type                              |                | High Dump — Hook-On — Fusion |  |
| Edge Type                                |                | Bolt-On<br>Cutting Edges     |  |
| Capacity – Rated                         | m <sup>3</sup> | 6.10                         |  |
|  | $yd^3$         | 8.00                         |  |
| Capacity – Rated at 110% Fill Factor     | m <sup>3</sup> | 6.70                         |  |
|  | $yd^3$         | 8.75                         |  |
| Width                                    | mm             | 2910                         |  |
|  | ft/in          | 9'6"                         |  |
| 16† Dump Clearance at Maximum Lift       | mm             | 2607                         |  |
| and 45° Discharge                        | ft/in          | 8'6"                         |  |
| 17† Reach at Maximum Lift and            | mm             | 1661                         |  |
| 45° Discharge                            | ft/in          | 5'5"                         |  |
| Reach at Level Lift Arm and              | mm             | 3393                         |  |
| Bucket Level                             | ft/in          | 11'1"                        |  |
| A† Digging Depth                         | mm             | 102                          |  |
|  | in             | 4"                           |  |
| 12† Overall Length                       | mm             | 9110                         |  |
|  | ft/in          | 29'11"                       |  |
| <b>B</b> † Overall Height with Bucket at | mm             | 6356                         |  |
| Maximum Lift                             | ft/in          | 20'11"                       |  |
| Loader Clearance Circle Radius           | mm             | 6998                         |  |
| with Bucket at Carry Position            | ft/in          | 23'0"                        |  |
| Static Tipping Load, Straight            | kg             | 12 552                       |  |
| (No tire deflection)                     | lb             | 27,672                       |  |
| Static Tipping Load, Articulated         | kg             | 10 749                       |  |
| (No tire deflection)                     | lb             | 23,699                       |  |
| Breakout Force(§)                        | kN             | 125                          |  |
|  | 1bf            | 28,176                       |  |
| Operating Weight*                        | kg             | 24 727                       |  |
|  | lb             | 54,512                       |  |

<sup>\*</sup> Static tipping loads and operating weights shown are based on a machine configuration with Brawler 23.5X25 Smooth solid tires, full fluids, operator, cab precleaner, fabricated counterweight with rear guard (1460 kg), flat window glass with front guard, industrial package, ride control, standard starting, narrow fenders, turbine engine precleaner, Product Link, auto diff lock axles (front/rear), powertrain guard, standard steering, industrial sound suppression and variable pitch fan.

<sup>†</sup> Illustration shown with Dimension charts.

<sup>(§)</sup> Measured 100 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with ISO 14397-2:2007.

<sup>(</sup>With tire deflection) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

<sup>(</sup>No tire deflection) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

Other buckets are available and offerings vary by region. Consult your local Cat dealer for further details.

| Linkage                                  |        | Standard Linkage                  |                            |                                   |                            |                                   |                            |  |  |
|--|--------|-----------------------------------|----------------------------|-----------------------------------|----------------------------|-----------------------------------|----------------------------|--|--|
| Bucket Type                              |        | Waste, Top Cla                    | Waste, Top Clamp – Pin-On  |                                   | and Carry –<br>On          | Waste, Dozing – Pin-On            |                            |  |  |
| Edge Type                                |        | Steel<br>Bolt-On<br>Cutting Edges | Rubber<br>Cutting<br>Edges | Steel<br>Bolt-On<br>Cutting Edges | Rubber<br>Cutting<br>Edges | Steel<br>Bolt-On<br>Cutting Edges | Rubber<br>Cutting<br>Edges |  |  |
| Capacity – Rated                         | $m^3$  | 4.40                              | 4.40                       | 6.10                              | 6.10                       | 5.40                              | 5.40                       |  |  |
|  | $yd^3$ | 5.75                              | 5.75                       | 8.00                              | 8.00                       | 7.00                              | 7.00                       |  |  |
| Capacity – Rated at 110% Fill Factor     | $m^3$  | 4.80                              | 4.80                       | 6.70                              | 6.70                       | 5.90                              | 5.90                       |  |  |
|  | $yd^3$ | 6.25                              | 6.25                       | 8.75                              | 8.75                       | 7.75                              | 7.75                       |  |  |
| Width                                    | mm     | 3059                              | 3059                       | 3059                              | 3059                       | 3059                              | 3032                       |  |  |
|  | ft/in  | 10'0"                             | 10'0"                      | 10'0"                             | 10'0"                      | 10'0"                             | 9'11"                      |  |  |
| 16† Dump Clearance at Maximum Lift       | mm     | 2518                              | 2421                       | 2736                              | 2639                       | 3003                              | 2905                       |  |  |
| and 45° Discharge                        | ft/in  | 8'3"                              | 7'11"                      | 8'11"                             | 8'7"                       | 9'10"                             | 9'6"                       |  |  |
| 17† Reach at Maximum Lift and            | mm     | 1825                              | 1764                       | 1619                              | 1557                       | 1352                              | 1292                       |  |  |
| 45° Discharge                            | ft/in  | 5'11"                             | 5'9"                       | 5'3"                              | 5'1"                       | 4'5"                              | 4'2"                       |  |  |
| Reach at Level Lift Arm and              | mm     | 3572                              | 3598                       | 3272                              | 3297                       | 2895                              | 2921                       |  |  |
| Bucket Level                             | ft/in  | 11'8"                             | 11'9"                      | 10'8"                             | 10'9"                      | 9'5"                              | 9'7"                       |  |  |
| A† Digging Depth                         | mm     | 13                                | 13                         | 5                                 | 5                          | 40                                | 152                        |  |  |
|  | in     | 0.5"                              | 0.5"                       | 0.2"                              | 0.2"                       | 1.6"                              | 6"                         |  |  |
| 12† Overall Length                       | mm     | 9250                              | 9354                       | 8944                              | 9048                       | 8567                              | 8672                       |  |  |
|  | ft/in  | 30'5"                             | 30'9"                      | 29'5"                             | 29'9"                      | 28'2"                             | 28'6"                      |  |  |
| <b>B</b> † Overall Height with Bucket at | mm     | 5549                              | 5549                       | 6148                              | 6148                       | 6355                              | 6355                       |  |  |
| Maximum Lift                             | ft/in  | 18'3"                             | 18'3"                      | 20'3"                             | 20'3"                      | 20'11"                            | 20'11"                     |  |  |
| Loader Clearance Circle Radius           | mm     | 7378                              | 7433                       | 7000                              | 7052                       | 6876                              | 6919                       |  |  |
| with Bucket at Carry Position            | ft/in  | 24'3"                             | 24'5"                      | 23'0"                             | 23'2"                      | 22'7"                             | 22'9"                      |  |  |
| Static Tipping Load, Straight            | kg     | 9814                              | 9876                       | 13 944                            | 13 901                     | 14 908                            | 14 865                     |  |  |
| (No tire deflection)                     | lb     | 21,636                            | 21,773                     | 30,742                            | 30,647                     | 32,868                            | 32,772                     |  |  |
| Static Tipping Load, Articulated         | kg     | 8310                              | 8373                       | 12 057                            | 12 014                     | 12 904                            | 12 860                     |  |  |
| (No tire deflection)                     | lb     | 18,322                            | 18,459                     | 26,581                            | 26,486                     | 28,448                            | 28,352                     |  |  |
| Breakout Force(§)                        | kN     | 23                                | 31                         | 142                               | 142                        | 176                               | 172                        |  |  |
|  | lbf    | 5,215                             | 7,033                      | 32,010                            | 32,011                     | 39,604                            | 38,874                     |  |  |
| Operating Weight*                        | kg     | 24 964                            | 24 892                     | 23 967                            | 24 005                     | 24 094                            | 24 124                     |  |  |
|  | lb     | 55,035                            | 54,876                     | 52,837                            | 52,920                     | 53,118                            | 53,184                     |  |  |

<sup>\*</sup> Static tipping loads and operating weights shown are based on a machine configuration with Brawler 23.5X25 Smooth solid tires, full fluids, operator, cab precleaner, fabricated counterweight with rear guard (1460 kg), flat window glass with front guard, industrial package, ride control, standard starting, narrow fenders, turbine engine precleaner, Product Link, auto diff lock axles (front/rear), powertrain guard, standard steering, industrial sound suppression and variable pitch fan.

<sup>†</sup> Illustration shown with Dimension charts.

<sup>(§)</sup> Measured 100 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with ISO 14397-2:2007.

<sup>(</sup>With tire deflection) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

<sup>(</sup>No tire deflection) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

Other buckets are available and offerings vary by region. Consult your local Cat dealer for further details.

| Linkage                                  |                |                          |                          | High Li | ft Linkage               |                       |        |  |  |  |
|--|----------------|--------------------------|--------------------------|---------|--------------------------|-----------------------|--------|--|--|--|
| Bucket Type                              |                |                          | General Purpose – Pin-On |         |                          |                       |        |  |  |  |
| Edge Type                                |                | Bolt-On<br>Cutting Edges | Teeth and<br>Segments    | Tips    | Bolt-On<br>Cutting Edges | Teeth and<br>Segments | Tips   |  |  |  |
| Capacity – Rated                         | $m^3$          | 3.10                     | 3.10                     | 2.90    | 3.40                     | 3.40                  | 3.20   |  |  |  |
|  | yd³            | 4.00                     | 4.00                     | 3.75    | 4.50                     | 4.50                  | 4.25   |  |  |  |
| Capacity – Rated at 110% Fill Factor     | m <sup>3</sup> | 3.40                     | 3.40                     | 3.20    | 3.70                     | 3.70                  | 3.50   |  |  |  |
|  | $yd^3$         | 4.50                     | 4.50                     | 4.25    | 4.75                     | 4.75                  | 4.50   |  |  |  |
| Width                                    | mm             | 2927                     | 2994                     | 2994    | 2927                     | 2994                  | 2994   |  |  |  |
|  | ft/in          | 9'7"                     | 9'9"                     | 9'9"    | 9'7"                     | 9'9"                  | 9'9"   |  |  |  |
| 16† Dump Clearance at Maximum Lift       | mm             | 3434                     | 3316                     | 3316    | 3378                     | 3258                  | 3258   |  |  |  |
| and 45° Discharge                        | ft/in          | 11'3"                    | 10'10"                   | 10'10"  | 11'0"                    | 10'8"                 | 10'8"  |  |  |  |
| 17† Reach at Maximum Lift and            | mm             | 1456                     | 1566                     | 1566    | 1499                     | 1609                  | 1609   |  |  |  |
| 45° Discharge                            | ft/in          | 4'9"                     | 5'1"                     | 5'1"    | 4'11"                    | 5'3"                  | 5'3"   |  |  |  |
| Reach at Level Lift Arm and              | mm             | 3054                     | 3215                     | 3215    | 3127                     | 3288                  | 3288   |  |  |  |
| Bucket Level                             | ft/in          | 10'0"                    | 10'6"                    | 10'6"   | 10'3"                    | 10'9"                 | 10'9"  |  |  |  |
| A† Digging Depth                         | mm             | 41                       | 41                       | 11      | 41                       | 41                    | 11     |  |  |  |
|  | in             | 1.6"                     | 1.6"                     | 0.4"    | 1.6"                     | 1.6"                  | 0.4"   |  |  |  |
| 12† Overall Length                       | mm             | 8783                     | 8955                     | 8955    | 8856                     | 9028                  | 9028   |  |  |  |
|  | ft/in          | 28'10"                   | 29'5"                    | 29'5"   | 29'1"                    | 29'8"                 | 29'8"  |  |  |  |
| <b>B</b> † Overall Height with Bucket at | mm             | 6083                     | 6083                     | 6083    | 6155                     | 6155                  | 6155   |  |  |  |
| Maximum Lift                             | ft/in          | 20'0"                    | 20'0"                    | 20'0"   | 20'3"                    | 20'3"                 | 20'3"  |  |  |  |
| Loader Clearance Circle Radius           | mm             | 6937                     | 7028                     | 7028    | 6960                     | 7052                  | 7052   |  |  |  |
| with Bucket at Carry Position            | ft/in          | 22'10"                   | 23'1"                    | 23'1"   | 22'11"                   | 23'2"                 | 23'2"  |  |  |  |
| Static Tipping Load, Straight            | kg             | 13 555                   | 13 417                   | 13 694  | 13 396                   | 13 257                | 13 530 |  |  |  |
| (No tire deflection)                     | 1b             | 29,883                   | 29,580                   | 30,191  | 29,534                   | 29,228                | 29,829 |  |  |  |
| Static Tipping Load, Articulated         | kg             | 11 789                   | 11 652                   | 11 912  | 11 637                   | 11 498                | 11 755 |  |  |  |
| (No tire deflection)                     | lb             | 25,991                   | 25,688                   | 26,262  | 25,656                   | 25,350                | 25,915 |  |  |  |
| Breakout Force(§)                        | kN             | 195                      | 194                      | 212     | 184                      | 183                   | 199    |  |  |  |
|  | lbf            | 43,919                   | 43,677                   | 47,749  | 41,373                   | 41,131                | 44,783 |  |  |  |
| Operating Weight*                        | kg             | 23 212                   | 23 320                   | 23 163  | 23 305                   | 23 413                | 23 256 |  |  |  |
|  | lb             | 51,173                   | 51,411                   | 51,065  | 51,379                   | 51,617                | 51,271 |  |  |  |

<sup>\*</sup> Static tipping loads and operating weights shown are based on a machine configuration with Brawler 23.5X25 Smooth solid tires, full fluids, operator, cab precleaner, fabricated counterweight with rear guard (1460 kg), flat window glass with front guard, industrial package, ride control, standard starting, narrow fenders, turbine engine precleaner, Product Link, auto diff lock axles (front/rear), powertrain guard, standard steering, industrial sound suppression and variable pitch fan.

<sup>†</sup> Illustration shown with Dimension charts.

<sup>(§)</sup> Measured 100 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with ISO 14397-2:2007.

<sup>(</sup>With tire deflection) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

<sup>(</sup>No tire deflection) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

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| Linkage                                  | ft Linkage     |                          |                          |        |                          |                       |        |  |
|--|----------------|--------------------------|--------------------------|--------|--------------------------|-----------------------|--------|--|
| Bucket Type                              |                |                          | General Purpose – Pin-On |        |                          |                       |        |  |
| Edge Type                                |                | Bolt-On<br>Cutting Edges | Teeth and<br>Segments    | Tips   | Bolt-On Cutting<br>Edges | Teeth and<br>Segments | Tips   |  |
| Capacity – Rated                         | $m^3$          | 3.60                     | 3.60                     | 3.40   | 3.80                     | 3.80                  | 3.60   |  |
|  | $yd^3$         | 4.75                     | 4.75                     | 4.50   | 5.00                     | 5.00                  | 4.75   |  |
| Capacity – Rated at 110% Fill Factor     | m <sup>3</sup> | 4.00                     | 4.00                     | 3.70   | 4.20                     | 4.20                  | 4.00   |  |
|  | $yd^3$         | 5.25                     | 5.25                     | 4.75   | 5.50                     | 5.50                  | 5.25   |  |
| Width                                    | mm             | 2927                     | 2994                     | 2994   | 2927                     | 2994                  | 2994   |  |
|  | ft/in          | 9'7"                     | 9'9"                     | 9'9"   | 9'7"                     | 9'9"                  | 9'9"   |  |
| 16† Dump Clearance at Maximum Lift       | mm             | 3351                     | 3232                     | 3232   | 3317                     | 3197                  | 3197   |  |
| and 45° Discharge                        | ft/in          | 10'11"                   | 10'7"                    | 10'7"  | 10'10"                   | 10'5"                 | 10'5"  |  |
| 17† Reach at Maximum Lift and            | mm             | 1521                     | 1630                     | 1630   | 1550                     | 1659                  | 1659   |  |
| 45° Discharge                            | ft/in          | 4'11"                    | 5'4"                     | 5'4"   | 5'1"                     | 5'5"                  | 5'5"   |  |
| Reach at Level Lift Arm and              | mm             | 3162                     | 3323                     | 3323   | 3208                     | 3369                  | 3369   |  |
| Bucket Level                             | ft/in          | 10'4"                    | 10'10"                   | 10'10" | 10'6"                    | 11'0"                 | 11'0"  |  |
| A† Digging Depth                         | mm             | 41                       | 41                       | 11     | 41                       | 41                    | 11     |  |
|  | in             | 1.6"                     | 1.6"                     | 0.4"   | 1.6"                     | 1.6"                  | 0.4"   |  |
| 12† Overall Length                       | mm             | 8891                     | 9063                     | 9063   | 8937                     | 9109                  | 9109   |  |
|  | ft/in          | 29'3"                    | 29'9"                    | 29'9"  | 29'4"                    | 29'11"                | 29'11" |  |
| <b>B</b> † Overall Height with Bucket at | mm             | 6189                     | 6189                     | 6189   | 6236                     | 6236                  | 6236   |  |
| Maximum Lift                             | ft/in          | 20'4"                    | 20'4"                    | 20'4"  | 20'6"                    | 20'6"                 | 20'6"  |  |
| Loader Clearance Circle Radius           | mm             | 6972                     | 7064                     | 7064   | 6987                     | 7079                  | 7079   |  |
| with Bucket at Carry Position            | ft/in          | 22'11"                   | 23'3"                    | 23'3"  | 23'0"                    | 23'3"                 | 23'3"  |  |
| Static Tipping Load, Straight            | kg             | 13 328                   | 13 189                   | 13 458 | 13 232                   | 13 092                | 13 357 |  |
| (No tire deflection)                     | 1b             | 29,384                   | 29,077                   | 29,671 | 29,172                   | 28,863                | 29,448 |  |
| Static Tipping Load, Articulated         | kg             | 11 573                   | 11 433                   | 11 687 | 11 481                   | 11 341                | 11 590 |  |
| (No tire deflection)                     | lb             | 25,514                   | 25,207                   | 25,765 | 25,312                   | 25,003                | 25,552 |  |
| Breakout Force(§)                        | kN             | 179                      | 178                      | 193    | 172                      | 171                   | 186    |  |
|  | lbf            | 40,252                   | 40,010                   | 43,485 | 38,855                   | 38,613                | 41,876 |  |
| Operating Weight*                        | kg             | 23 342                   | 23 450                   | 23 293 | 23 396                   | 23 504                | 23 347 |  |
|  | lb             | 51,459                   | 51,697                   | 51,351 | 51,580                   | 51,818                | 51,472 |  |

<sup>\*</sup> Static tipping loads and operating weights shown are based on a machine configuration with Brawler 23.5X25 Smooth solid tires, full fluids, operator, cab precleaner, fabricated counterweight with rear guard (1460 kg), flat window glass with front guard, industrial package, ride control, standard starting, narrow fenders, turbine engine precleaner, Product Link, auto diff lock axles (front/rear), powertrain guard, standard steering, industrial sound suppression and variable pitch fan.

<sup>†</sup> Illustration shown with Dimension charts.

<sup>(§)</sup> Measured 100 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with ISO 14397-2:2007.

<sup>(</sup>With tire deflection) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

<sup>(</sup>No tire deflection) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

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| Linkage                                  |        | High Lift Linkage        |                                    |        |                          |                       |        |  |  |  |
|--|--------|--------------------------|------------------------------------|--------|--------------------------|-----------------------|--------|--|--|--|
| Bucket Type                              |        |                          | General Purpose – Hook-On – Fusion |        |                          |                       |        |  |  |  |
| Edge Type                                |        | Bolt-On<br>Cutting Edges | Teeth and<br>Segments              | Tips   | Bolt-On<br>Cutting Edges | Teeth and<br>Segments | Tips   |  |  |  |
| Capacity – Rated                         | $m^3$  | 3.10                     | 3.10                               | 2.90   | 3.40                     | 3.40                  | 3.20   |  |  |  |
|  | $yd^3$ | 4.00                     | 4.00                               | 3.75   | 4.50                     | 4.50                  | 4.25   |  |  |  |
| Capacity – Rated at 110% Fill Factor     | $m^3$  | 3.40                     | 3.40                               | 3.20   | 3.70                     | 3.70                  | 3.50   |  |  |  |
|  | $yd^3$ | 4.50                     | 4.50                               | 4.25   | 4.75                     | 4.75                  | 4.50   |  |  |  |
| Width                                    | mm     | 2927                     | 2994                               | 2994   | 2927                     | 2994                  | 2994   |  |  |  |
|  | ft/in  | 9'7"                     | 9'9"                               | 9'9"   | 9'7"                     | 9'9"                  | 9'9"   |  |  |  |
| 6† Dump Clearance at Maximum Lift        | mm     | 3395                     | 3277                               | 3277   | 3338                     | 3219                  | 3219   |  |  |  |
| and 45° Discharge                        | ft/in  | 11'1"                    | 10'9"                              | 10'9"  | 10'11"                   | 10'6"                 | 10'6"  |  |  |  |
| 7† Reach at Maximum Lift and             | mm     | 1501                     | 1612                               | 1612   | 1544                     | 1654                  | 1654   |  |  |  |
| 45° Discharge                            | ft/in  | 4'11"                    | 5'3"                               | 5'3"   | 5'0"                     | 5'5"                  | 5'5"   |  |  |  |
| Reach at Level Lift Arm and              | mm     | 3114                     | 3275                               | 3275   | 3187                     | 3348                  | 3348   |  |  |  |
| Bucket Level                             | ft/in  | 10'2"                    | 10'8"                              | 10'8"  | 10'5"                    | 10'11"                | 10'11" |  |  |  |
| A† Digging Depth                         | mm     | 41                       | 41                                 | 11     | 41                       | 41                    | 11     |  |  |  |
|  | in     | 1.6"                     | 1.6"                               | 0.4"   | 1.6"                     | 1.6"                  | 0.4"   |  |  |  |
| 2† Overall Length                        | mm     | 8843                     | 9015                               | 9015   | 8916                     | 9088                  | 9088   |  |  |  |
|  | ft/in  | 29'1"                    | 29'7"                              | 29'7"  | 29'4"                    | 29'10"                | 29'10" |  |  |  |
| <b>B</b> † Overall Height with Bucket at | mm     | 6116                     | 6116                               | 6116   | 6188                     | 6188                  | 6188   |  |  |  |
| Maximum Lift                             | ft/in  | 20'1"                    | 20'1"                              | 20'1"  | 20'4"                    | 20'4"                 | 20'4"  |  |  |  |
| Loader Clearance Circle Radius           | mm     | 6947                     | 7038                               | 7038   | 6970                     | 7062                  | 7062   |  |  |  |
| with Bucket at Carry Position            | ft/in  | 22'10"                   | 23'2"                              | 23'2"  | 22'11"                   | 23'3"                 | 23'3"  |  |  |  |
| Static Tipping Load, Straight            | kg     | 12 970                   | 12 833                             | 13 153 | 12 842                   | 12 704                | 13 022 |  |  |  |
| (No tire deflection)                     | 1b     | 28,595                   | 28,293                             | 28,998 | 28,313                   | 28,008                | 28,709 |  |  |  |
| Static Tipping Load, Articulated         | kg     | 11 229                   | 11 092                             | 11 395 | 11 108                   | 10 969                | 11 271 |  |  |  |
| (No tire deflection)                     | lb     | 24,756                   | 24,454                             | 25,123 | 24,489                   | 24,184                | 24,849 |  |  |  |
| Breakout Force(§)                        | kN     | 186                      | 185                                | 201    | 175                      | 174                   | 189    |  |  |  |
|  | lbf    | 41,824                   | 41,582                             | 45,305 | 39,510                   | 39,268                | 42,628 |  |  |  |
| Operating Weight*                        | kg     | 23 682                   | 23 790                             | 23 633 | 23 752                   | 23 860                | 23 703 |  |  |  |
|  | 1b     | 52,209                   | 52,447                             | 52,101 | 52,363                   | 52,601                | 52,255 |  |  |  |

<sup>\*</sup> Static tipping loads and operating weights shown are based on a machine configuration with Brawler 23.5X25 Smooth solid tires, full fluids, operator, cab precleaner, fabricated counterweight with rear guard (1460 kg), flat window glass with front guard, industrial package, ride control, standard starting, narrow fenders, turbine engine precleaner, Product Link, auto diff lock axles (front/rear), powertrain guard, standard steering, industrial sound suppression and variable pitch fan.

<sup>†</sup> Illustration shown with Dimension charts.

<sup>(§)</sup> Measured 100 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with ISO 14397-2:2007.

<sup>(</sup>With tire deflection) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

<sup>(</sup>No tire deflection) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

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| Linkage High Lift Linkage                |                |                          |                       |               |                          |                       |        |
|--|----------------|--------------------------|-----------------------|---------------|--------------------------|-----------------------|--------|
| Bucket Type                              |                |                          | Gei                   | neral Purpose | – Hook-On – Fusi         | on                    |        |
| Edge Type                                |                | Bolt-On<br>Cutting Edges | Teeth and<br>Segments | Tips          | Bolt-On<br>Cutting Edges | Teeth and<br>Segments | Tips   |
| Capacity – Rated                         | m <sup>3</sup> | 3.60                     | 3.60                  | 3.40          | 3.80                     | 3.80                  | 3.60   |
|  | yd³            | 4.75                     | 4.75                  | 4.50          | 5.00                     | 5.00                  | 4.75   |
| Capacity – Rated at 110% Fill Factor     | m <sup>3</sup> | 4.00                     | 4.00                  | 3.70          | 4.20                     | 4.20                  | 4.00   |
|  | $yd^3$         | 5.25                     | 5.25                  | 4.75          | 5.50                     | 5.50                  | 5.25   |
| Width                                    | mm             | 2927                     | 2994                  | 2994          | 2927                     | 2994                  | 2994   |
|  | ft/in          | 9'7"                     | 9'9"                  | 9'9"          | 9'7"                     | 9'9"                  | 9'9"   |
| 16† Dump Clearance at Maximum Lift       | mm             | 3311                     | 3192                  | 3192          | 3277                     | 3157                  | 3157   |
| and 45° Discharge                        | ft/in          | 10'10"                   | 10'5"                 | 10'5"         | 10'9"                    | 10'4"                 | 10'4"  |
| 17† Reach at Maximum Lift and            | mm             | 1566                     | 1675                  | 1675          | 1595                     | 1703                  | 1703   |
| 45° Discharge                            | ft/in          | 5'1"                     | 5'5"                  | 5'5"          | 5'2"                     | 5'7"                  | 5'7"   |
| Reach at Level Lift Arm and              | mm             | 3222                     | 3383                  | 3383          | 3268                     | 3429                  | 3429   |
| Bucket Level                             | ft/in          | 10'6"                    | 11'1"                 | 11'1"         | 10'8"                    | 11'3"                 | 11'3"  |
| A† Digging Depth                         | mm             | 41                       | 41                    | 11            | 41                       | 41                    | 11     |
|  | in             | 1.6"                     | 1.6"                  | 0.4"          | 1.6"                     | 1.6"                  | 0.4"   |
| 12† Overall Length                       | mm             | 8951                     | 9123                  | 9123          | 8997                     | 9169                  | 9169   |
|  | ft/in          | 29'5"                    | 30'0"                 | 30'0"         | 29'7"                    | 30'1"                 | 30'1"  |
| <b>B</b> † Overall Height with Bucket at | mm             | 6222                     | 6222                  | 6222          | 6270                     | 6270                  | 6270   |
| Maximum Lift                             | ft/in          | 20'5"                    | 20'5"                 | 20'5"         | 20'7"                    | 20'7"                 | 20'7"  |
| Loader Clearance Circle Radius           | mm             | 6982                     | 7074                  | 7074          | 6997                     | 7090                  | 7090   |
| with Bucket at Carry Position            | ft/in          | 22'11"                   | 23'3"                 | 23'3"         | 23'0"                    | 23'4"                 | 23'4"  |
| Static Tipping Load, Straight            | kg             | 12 779                   | 12 640                | 12 957        | 12 696                   | 12 556                | 12 872 |
| (No tire deflection)                     | 1b             | 28,174                   | 27,868                | 28,566        | 27,990                   | 27,682                | 28,379 |
| Static Tipping Load, Articulated         | kg             | 11 048                   | 10 909                | 11 210        | 10 969                   | 10 829                | 11 130 |
| (No tire deflection)                     | 1b             | 24,356                   | 24,050                | 24,714        | 24,182                   | 23,874                | 24,537 |
| Breakout Force(§)                        | kN             | 171                      | 170                   | 184           | 165                      | 164                   | 177    |
|  | lbf            | 38,480                   | 38,239                | 41,443        | 37,197                   | 36,956                | 39,974 |
| Operating Weight*                        | kg             | 23 786                   | 23 894                | 23 737        | 23 831                   | 23 939                | 23 782 |
|  | lb             | 52,438                   | 52,676                | 52,330        | 52,537                   | 52,775                | 52,429 |

<sup>\*</sup> Static tipping loads and operating weights shown are based on a machine configuration with Brawler 23.5X25 Smooth solid tires, full fluids, operator, cab precleaner, fabricated counterweight with rear guard (1460 kg), flat window glass with front guard, industrial package, ride control, standard starting, narrow fenders, turbine engine precleaner, Product Link, auto diff lock axles (front/rear), powertrain guard, standard steering, industrial sound suppression and variable pitch fan.

<sup>†</sup> Illustration shown with Dimension charts.

<sup>(§)</sup> Measured 100 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with ISO 14397-2:2007.

<sup>(</sup>With tire deflection) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

<sup>(</sup>No tire deflection) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

Other buckets are available and offerings vary by region. Consult your local Cat dealer for further details.

| Linkage                                  |                | High Lift Linkage            |  |
|--|----------------|------------------------------|--|
| Bucket Type                              |                | High Dump – Hook-On – Fusion |  |
| Edge Type                                |                | Bolt-On<br>Cutting Edges     |  |
| Capacity – Rated                         | m <sup>3</sup> | 6.10                         |  |
|  | $yd^3$         | 8.00                         |  |
| Capacity – Rated at 110% Fill Factor     | $m^3$          | 6.70                         |  |
|  | $yd^3$         | 8.75                         |  |
| Width                                    | mm             | 2910                         |  |
|  | ft/in          | 9'6"                         |  |
| 16† Dump Clearance at Maximum Lift       | mm             | 2895                         |  |
| and 45° Discharge                        | ft/in          | 9'6"                         |  |
| 17† Reach at Maximum Lift and            | mm             | 1763                         |  |
| 45° Discharge                            | ft/in          | 5'9"                         |  |
| Reach at Level Lift Arm and              | mm             | 3671                         |  |
| Bucket Level                             | ft/in          | 12'0"                        |  |
| A† Digging Depth                         | mm             | 108                          |  |
|  | in             | 4.2"                         |  |
| 12† Overall Length                       | mm             | 9442                         |  |
|  | ft/in          | 31'0"                        |  |
| <b>B</b> † Overall Height with Bucket at | mm             | 6645                         |  |
| Maximum Lift                             | ft/in          | 21'10"                       |  |
| Loader Clearance Circle Radius           | mm             | 7168                         |  |
| with Bucket at Carry Position            | ft/in          | 23'7"                        |  |
| Static Tipping Load, Straight            | kg             | 10 920                       |  |
| (No tire deflection)                     | 1b             | 24,076                       |  |
| Static Tipping Load, Articulated         | kg             | 9286                         |  |
| (No tire deflection)                     | 1b             | 20,473                       |  |
| Breakout Force(§)                        | kN             | 124                          |  |
|  | lbf            | 27,942                       |  |
| Operating Weight*                        | kg             | 24 821                       |  |
|  | lb             | 54,720                       |  |

<sup>\*</sup> Static tipping loads and operating weights shown are based on a machine configuration with Brawler 23.5X25 Smooth solid tires, full fluids, operator, cab precleaner, fabricated counterweight with rear guard (1460 kg), flat window glass with front guard, industrial package, ride control, standard starting, narrow fenders, turbine engine precleaner, Product Link, auto diff lock axles (front/rear), powertrain guard, standard steering, industrial sound suppression and variable pitch fan.

<sup>†</sup> Illustration shown with Dimension charts.

<sup>(§)</sup> Measured 100 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with ISO 14397-2:2007.

<sup>(</sup>With tire deflection) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

<sup>(</sup>No tire deflection) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

Other buckets are available and offerings vary by region. Consult your local Cat dealer for further details.

| Linkage                                  |        | High Lift Linkage                 |                            |                                   |                            |                                   |                            |  |  |
|--|--------|-----------------------------------|----------------------------|-----------------------------------|----------------------------|-----------------------------------|----------------------------|--|--|
| Bucket Type                              |        | Waste, Top Clamp – Pin-On         |                            | Waste, Load,<br>Pin-              |                            | Waste, Dozing – Pin-O             |                            |  |  |
| Edge Type                                |        | Steel<br>Bolt-On<br>Cutting Edges | Rubber<br>Cutting<br>Edges | Steel<br>Bolt-On<br>Cutting Edges | Rubber<br>Cutting<br>Edges | Steel<br>Bolt-On<br>Cutting Edges | Rubber<br>Cutting<br>Edges |  |  |
| Capacity – Rated                         | $m^3$  | 4.40                              | 4.40                       | 6.10                              | 6.10                       | 5.40                              | 5.40                       |  |  |
|  | $yd^3$ | 5.75                              | 5.75                       | 8.00                              | 8.00                       | 7.00                              | 7.00                       |  |  |
| Capacity – Rated at 110% Fill Factor     | $m^3$  | 4.80                              | 4.80                       | 6.70                              | 6.70                       | 5.90                              | 5.90                       |  |  |
|  | $yd^3$ | 6.25                              | 6.25                       | 8.75                              | 8.75                       | 7.75                              | 7.75                       |  |  |
| Width                                    | mm     | 3059                              | 3059                       | 3059                              | 3059                       | 3059                              | 3032                       |  |  |
|  | ft/in  | 10'0"                             | 10'0"                      | 10'0"                             | 10'0"                      | 10'0"                             | 9'11"                      |  |  |
| 16† Dump Clearance at Maximum Lift       | mm     | 2807                              | 2709                       | 3025                              | 2928                       | 3291                              | 3193                       |  |  |
| and 45° Discharge                        | ft/in  | 9'2"                              | 8'10"                      | 9'11"                             | 9'7"                       | 10'9"                             | 10'5"                      |  |  |
| 17† Reach at Maximum Lift and            | mm     | 1927                              | 1866                       | 1720                              | 1659                       | 1454                              | 1393                       |  |  |
| 45° Discharge                            | ft/in  | 6'3"                              | 6'1"                       | 5'7"                              | 5'5"                       | 4'9"                              | 4'6"                       |  |  |
| Reach at Level Lift Arm and              | mm     | 3849                              | 3875                       | 3549                              | 3574                       | 3172                              | 3198                       |  |  |
| Bucket Level                             | ft/in  | 12'7"                             | 12'8"                      | 11'7"                             | 11'8"                      | 10'4"                             | 10'5"                      |  |  |
| A† Digging Depth                         | mm     | 19                                | 19                         | 11                                | 11                         | 46                                | 158                        |  |  |
|  | in     | 0.7"                              | 0.7"                       | 0.4"                              | 0.4"                       | 1.8"                              | 6.2"                       |  |  |
| 12† Overall Length                       | mm     | 9586                              | 9681                       | 9281                              | 9376                       | 8904                              | 9000                       |  |  |
|  | ft/in  | 31'6"                             | 31'10"                     | 30'6"                             | 30'10"                     | 29'3"                             | 29'7"                      |  |  |
| <b>B</b> † Overall Height with Bucket at | mm     | 5838                              | 5838                       | 6437                              | 6437                       | 6644                              | 6644                       |  |  |
| Maximum Lift                             | ft/in  | 19'2"                             | 19'2"                      | 21'2"                             | 21'2"                      | 21'10"                            | 21'10"                     |  |  |
| Loader Clearance Circle Radius           | mm     | 7572                              | 7622                       | 7162                              | 7236                       | 7026                              | 7087                       |  |  |
| with Bucket at Carry Position            | ft/in  | 24'11"                            | 25'1"                      | 23'6"                             | 23'9"                      | 23'1"                             | 23'3"                      |  |  |
| Static Tipping Load, Straight            | kg     | 8627                              | 8690                       | 12 181                            | 12 139                     | 12 935                            | 12 893                     |  |  |
| (No tire deflection)                     | lb     | 19,020                            | 19,159                     | 26,856                            | 26,763                     | 28,518                            | 28,425                     |  |  |
| Static Tipping Load, Articulated         | kg     | 7243                              | 7306                       | 10 478                            | 10 435                     | 11 136                            | 11 094                     |  |  |
| (No tire deflection)                     | lb     | 15,969                            | 16,107                     | 23,100                            | 23,006                     | 24,552                            | 24,458                     |  |  |
| Breakout Force(§)                        | kN     | 32                                | 39                         | 141                               | 141                        | 175                               | 171                        |  |  |
|  | lbf    | 7,242                             | 8,834                      | 31,801                            | 31,716                     | 39,352                            | 38,523                     |  |  |
| Operating Weight*                        | kg     | 25 058                            | 24 986                     | 24 061                            | 24 099                     | 24 189                            | 24 219                     |  |  |
|  | lb     | 55,243                            | 55,084                     | 53,045                            | 53,129                     | 53,326                            | 53,392                     |  |  |

<sup>\*</sup> Static tipping loads and operating weights shown are based on a machine configuration with Brawler 23.5X25 Smooth solid tires, full fluids, operator, cab precleaner, fabricated counterweight with rear guard (1460 kg), flat window glass with front guard, industrial package, ride control, standard starting, narrow fenders, turbine engine precleaner, Product Link, auto diff lock axles (front/rear), powertrain guard, standard steering, industrial sound suppression and variable pitch fan.

<sup>†</sup> Illustration shown with Dimension charts.

<sup>(§)</sup> Measured 100 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with ISO 14397-2:2007.

<sup>(</sup>With tire deflection) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

<sup>(</sup>No tire deflection) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

Other buckets are available and offerings vary by region. Consult your local Cat dealer for further details.



# 962 Forestry Machine

The Cat 962 Wheel Loader Forestry package provides the additional performance, productivity, and safety that is demanded in the woods and the millyard.

#### **Proven Reliability**

- Cat C7.1 engine offers high power density with a combination of proven electronics, fuel, and air systems.
- Equipped with automatic Cat regeneration system, Cat Clean Emissions Module (CEM) with diesel particulate filter (DPF), and diesel exhaust fluid (DEF) tank and pump.
- Features an electric fuel priming pump, fuel-water separator, and secondary fuel filter.
- Thorough component design and machine validation processes result in unmatched reliability and uptime.

#### **Durability**

- Heavy-duty axles are designed to handle extreme applications.
- Automatic countershaft powershift (5F/3R) transmission features durable, long-lasting components.

#### **Achieve Greater Fuel Efficiency and Productivity**

- Forestry package includes additional counterweight, larger lift cylinders, and larger tilt cylinders.
- Optional variable pitch fan and high debris coolers minimize the potential for overheating and reduce downtime for radiator clean out in high debris applications.
- Optional 3rd and 4th valve auxiliary hydraulics to control work tools requiring the additional function.
- Five-speed transmission and lock-up clutch torque converter, powertrains deliver smooth shifting, fast acceleration, and speed on grade for greater performance and fuel efficiency.
- Single clutch and lock-to-lock shifting for faster acceleration and speed on grades.
- Deeply integrated engine, powertrain, and hydraulic systems deliver unmatched productivity and fuel efficiency.

#### Safety Features

- Rearview camera enhances visibility behind the machine, helping you work safely and confidently.
- Optional multiview (360°) vision system helps the operator monitor the surroundings of the machine at all times.
- Optional Cat Detect radar technology enhances awareness by monitoring the working environment and alerts operators to hazards.

- Cab access with wide door, optional remote door opening, and stair-like steps add solid stability.
- Floor-to-ceiling windshield, large mirrors with integrated spot mirrors, and rearview camera provide industry leading all-around visibility.

#### **Reduced Maintenance Time and Costs**

- Extended fluid and filter change intervals reduce maintenance costs by up to 30%.\*
- Optional turbine engine air precleaner improves air filter life.
- Remote Troubleshoot can connect the machine to the dealer service department to help diagnose problems quickly so you can get back to work.
- Remote Flash works around your schedule to ensure your machine's software is up to date for optimal performance.
- The Cat app helps you manage fleet location, hours, and maintenance schedules; it also alerts you for required maintenance and allows you to request service from your local Cat dealer.
- One-piece tilting hood makes engine compartment access fast and easy.
- Optional integrated autolube extends component and service life.

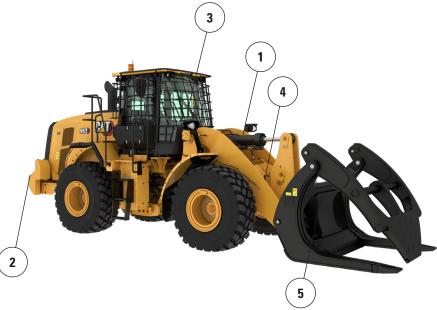
#### Work in Comfort in the All New Cab

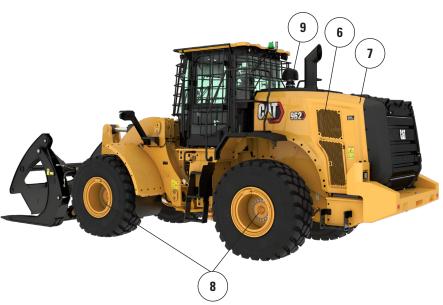
- Optional powered cabin precleaner filters the incoming air and pressurizes the cab.
- Next-generation, easily adjustable seat and suspension for improved operator comfort. It comes in three trim levels and can be equipped with a 4-point harness.
- New in-cab dashboard and high-resolution touch display(s) are easy to use, intuitive, and user friendly.
- Sound suppression, seals, and viscous cab mounts decrease noise and vibration for a quieter work environment.
- The seat-mounted electro-hydraulic joystick steering system
  provides precision control and dramatically reduces arm fatigue,
  resulting in excellent comfort and accuracy. Standard in North
  America and optional in all other regions.
- The hydraulic metering unit (HMU) steering wheel provides precision control, resulting in excellent comfort and accuracy. Standard in all regions except North America. Limited optional availability for North America, consult your Cat dealer.

<sup>\*</sup>Parts and fluids only.

## **962 Forestry Machine Features**

- Larger tilt cylinder and larger lift cylinders for increased load control in fork applications
- 2. Heavier counterweight provides increased tipping loads in a millyard application
- 3. Optional window guarding to provide impact resistance to the glass
- 4. Optional 3<sup>rd</sup> and 4<sup>th</sup> function hydraulics provide auxiliary hydraulic control for work tools like millyard or logging forks
- 5. Wide range of millyard work tools





- Optional variable pitch fan helps to keep rear grill and cooling cores clean in high debris applications
- 7. Optional high debris/wide fin spacing cooling cores are less prone to plugging
- 8. Optional axle oil cooler provides lower axle oil temperatures in high braking applications
- Optional engine and cab precleaners for use in high debris applications

## **Tire Options**

| Tire Brand                                     | BRIDGESTONE     | MICHELIN           | MICHELIN           | BRIDGESTONE        | MAXAM           |
|--|-----------------|--------------------|--------------------|--------------------|-----------------|
| Tire Size                                      | 23.5R25         | 23.5R25            | 750/65R25          | 750/65R25          | 23.5R25         |
| Tread Type                                     | L-3             | L-3                | L-3                | L-3                | L-3             |
| Tread Pattern                                  | VJT             | XHA2               | XLD                | VTS                | MS302           |
| Casing Strength                                | *               | *                  | *                  | *                  | **              |
| Width over Tires – Maximum (empty)*            | 2804 mm<br>9'3" | 2823 mm<br>9'4"    | 2942 mm<br>9'8"    | 2935 mm<br>9'8"    | 2825 mm<br>9'4" |
| Width over Tires – Maximum (loaded)*           | 2825 mm<br>9'4" | 2830 mm<br>9'4"    | 2961 mm<br>9'9"    | 2953 mm<br>9'9"    | 2829 mm<br>9'4" |
| Change in Vertical Dimensions                  |                 | 10 mm              | 15 mm              | 20 mm              | 14 mm           |
| (average of front and rear)                    |                 | 0.4"               | 0.6"               | 0.8"               | 0.6"            |
| Change in Horizontal Reach                     |                 | -6 mm<br>-0.2"     | 5 mm<br>0.2"       | -4 mm<br>-0.2"     | -15 mm<br>-0.6" |
| Change in Clearance Circle to Outside of Tires |                 | 4 mm<br>0.2"       | 135 mm<br>5.3"     | 128 mm<br>5"       | 4 mm<br>0.1"    |
| Change in Clearance Circle to Inside of Tires  |                 | -4 mm<br>-0.2"     | -135 mm<br>-5.3"   | -128 mm<br>-5"     | -4 mm<br>-0.1"  |
| Change in Operating Weight (without ballast)   |                 | -156 kg<br>-344 lb | 633 kg<br>1,395 lb | 737 kg<br>1,625 lb | 0 kg<br>0 lb    |
| Change in Static Tipping Load – Straight       |                 | -99 kg<br>-218 lb  | 402 kg<br>886 lb   | 468 kg<br>1,032 lb | 0 kg<br>0 lb    |
| Change in Static Tipping Load – Articulated    |                 | -87 kg<br>-191 lb  | 351 kg<br>774 lb   | 409 kg<br>902 lb   | 0 kg<br>0 lb    |
| Rear Axle Oscillation Angle                    | ±13 degrees     | ±13 degrees        | ±8 degrees         | ±8 degrees         | ±13 degrees     |
| Maximum Single-Wheel Rise and Fall             | 481 mm<br>1'7"  | 481 mm<br>1'7"     | 298 mm<br>1'0"     | 298 mm<br>1'0"     | 481 mm<br>1'7"  |

<sup>\*</sup>Width over tire bulge and includes tire growth.

## **Operating Specifications – Buckets**

| Linkage                                  |       |                          | Forestry Linkage         |                          |
|--|-------|--------------------------|--------------------------|--------------------------|
| Bucket Type                              |       |                          | High Dump – Pin-On       |                          |
| Edge Type                                |       | Bolt-On<br>Cutting Edges | Bolt-On<br>Cutting Edges | Bolt-On<br>Cutting Edges |
| Capacity – Rated                         | $m^3$ | 6.10                     | 7.60                     | 9.20                     |
|  | yd³   | 8.00                     | 10.00                    | 12.00                    |
| Capacity – Rated at 110% Fill Factor     | $m^3$ | 6.70                     | 8.40                     | 10.10                    |
|  | yd³   | 8.75                     | 11.00                    | 13.25                    |
| Width                                    | mm    | 3037                     | 3350                     | 3350                     |
|  | ft/in | 9'11"                    | 10'11"                   | 10'11"                   |
| 16† Dump Clearance at Maximum Lift       | mm    | 2538                     | 2467                     | 2326                     |
| and 45° Discharge                        | ft/in | 8'3"                     | 8'1"                     | 7'7"                     |
| 17† Reach at Maximum Lift and            | mm    | 1771                     | 1842                     | 1983                     |
| 45° Discharge                            | ft/in | 5'9"                     | 6'0"                     | 6'6"                     |
| Reach at Level Lift Arm and              | mm    | 3476                     | 3576                     | 3776                     |
| Bucket Level                             | ft/in | 11'4"                    | 11'8"                    | 12'4"                    |
| A† Digging Depth                         | mm    | 73                       | 73                       | 73                       |
|  | in    | 2.9"                     | 2.9"                     | 2.9"                     |
| 12† Overall Length                       | mm    | 9316                     | 9416                     | 9616                     |
|  | ft/in | 30'7"                    | 30'11"                   | 31'7"                    |
| <b>B</b> † Overall Height with Bucket at | mm    | 6176                     | 6262                     | 6463                     |
| Maximum Lift                             | ft/in | 20'4"                    | 20'7"                    | 21'3"                    |
| Loader Clearance Circle Radius           | mm    | 7052                     | 7221                     | 7289                     |
| with Bucket at Carry Position            | ft/in | 23'2"                    | 23'9"                    | 23'11"                   |
| Static Tipping Load, Straight            | kg    | 12 776                   | 12 445                   | 12 088                   |
| (With tire deflection)                   | 1b    | 28,168                   | 27,437                   | 26,649                   |
| Static Tipping Load, Straight            | kg    | 13 602                   | 13 271                   | 12 917                   |
| (No tire deflection)                     | 1b    | 29,987                   | 29,257                   | 28,477                   |
| Static Tipping Load,                     | kg    | 10 743                   | 10 425                   | 10 090                   |
| Articulated (With tire deflection)       | 1b    | 23,686                   | 22,984                   | 22,244                   |
| Static Tipping Load, Articulated         | kg    | 11 587                   | 11 269                   | 10 938                   |
| (No tire deflection)                     | lb    | 25,546                   | 24,845                   | 24,115                   |
| Breakout Force(§)                        | kN    | 144                      | 135                      | 121                      |
|  | 1bf   | 32,439                   | 30,424                   | 27,226                   |
| Operating Weight*                        | kg    | 21 945                   | 22 174                   | 22 347                   |
|  | lb    | 48,380                   | 48,885                   | 49,266                   |

<sup>\*</sup> Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 23.5R25 VJT L3 radial tires, full fluids, operator, axle oil cooler, logger counterweight, ride control, cold start, roading fenders, Product Link, manual diff lock/open axles (front/rear), logger package, powertrain guard, secondary steering and sound suppression.

<sup>†</sup> Illustration shown with Dimension charts.

<sup>(§)</sup> Measured 100 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with ISO 14397-2:2007.

<sup>(</sup>With tire deflection) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

<sup>(</sup>No tire deflection) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

Other buckets are available and offerings vary by region. Consult your local Cat dealer for further details.

| Linkage                                  |        | Forestry Linkage         |                              |                          |  |  |
|--|--------|--------------------------|------------------------------|--------------------------|--|--|
| Bucket Type                              |        |                          | High Dump – Hook-On – Fusion |                          |  |  |
| Edge Type                                |        | Bolt-On<br>Cutting Edges | Bolt-On<br>Cutting Edges     | Bolt-On<br>Cutting Edges |  |  |
| Capacity – Rated                         | $m^3$  | 6.10                     | 7.60                         | 9.20                     |  |  |
|  | $yd^3$ | 8.00                     | 10.00                        | 12.00                    |  |  |
| Capacity – Rated at 110% Fill Factor     | $m^3$  | 6.70                     | 8.40                         | 10.10                    |  |  |
|  | $yd^3$ | 8.75                     | 11.00                        | 13.25                    |  |  |
| Width                                    | mm     | 3037                     | 3350                         | 3350                     |  |  |
|  | ft/in  | 9'11"                    | 10'11"                       | 10'11"                   |  |  |
| 16† Dump Clearance at Maximum Lift       | mm     | 2493                     | 2421                         | 2280                     |  |  |
| and 45° Discharge                        | ft/in  | 8'2"                     | 7'11"                        | 7'5"                     |  |  |
| 17† Reach at Maximum Lift and            | mm     | 1816                     | 1888                         | 2029                     |  |  |
| 45° Discharge                            | ft/in  | 5'11"                    | 6'2"                         | 6'7"                     |  |  |
| Reach at Level Lift Arm and              | mm     | 3540                     | 3641                         | 3841                     |  |  |
| Bucket Level                             | ft/in  | 11'7"                    | 11'11"                       | 12'7"                    |  |  |
| A† Digging Depth                         | mm     | 103                      | 73                           | 73                       |  |  |
|  | in     | 4"                       | 2.9"                         | 2.9"                     |  |  |
| 12† Overall Length                       | mm     | 9380                     | 9481                         | 9681                     |  |  |
|  | ft/in  | 30'10"                   | 31'2"                        | 31'10"                   |  |  |
| <b>B</b> † Overall Height with Bucket at | mm     | 6237                     | 6303                         | 6504                     |  |  |
| Maximum Lift                             | ft/in  | 20'6"                    | 20'9"                        | 21'5"                    |  |  |
| Loader Clearance Circle Radius           | mm     | 7073                     | 7243                         | 7312                     |  |  |
| with Bucket at Carry Position            | ft/in  | 23'3"                    | 23'10"                       | 24'0"                    |  |  |
| Static Tipping Load, Straight            | kg     | 11 650                   | 11 781                       | 11 433                   |  |  |
| (With tire deflection)                   | 1b     | 25,685                   | 25,972                       | 25,206                   |  |  |
| Static Tipping Load, Straight            | kg     | 12 402                   | 12 590                       | 12 245                   |  |  |
| (No tire deflection)                     | 1b     | 27,343                   | 27,756                       | 26,997                   |  |  |
| Static Tipping Load,                     | kg     | 9724                     | 9791                         | 9465                     |  |  |
| Articulated (With tire deflection)       | 1b     | 21,437                   | 21,585                       | 20,868                   |  |  |
| Static Tipping Load, Articulated         | kg     | 10 497                   | 10 619                       | 10 297                   |  |  |
| (No tire deflection)                     | lb     | 23,142                   | 23,412                       | 22,701                   |  |  |
| Breakout Force(§)                        | kN     | 131                      | 129                          | 116                      |  |  |
|  | lbf    | 29,561                   | 29,209                       | 26,201                   |  |  |
| Operating Weight*                        | kg     | 22 522                   | 22 741                       | 22 913                   |  |  |
|  | 1b     | 49,652                   | 50,135                       | 50,514                   |  |  |

<sup>\*</sup> Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 23.5R25 VJT L3 radial tires, full fluids, operator, axle oil cooler, logger counterweight, ride control, cold start, roading fenders, Product Link, manual diff lock/open axles (front/rear), logger package, powertrain guard, secondary steering and sound suppression.

<sup>†</sup> Illustration shown with Dimension charts.

<sup>(§)</sup> Measured 100 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with ISO 14397-2:2007.

<sup>(</sup>With tire deflection) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

<sup>(</sup>No tire deflection) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

Other buckets are available and offerings vary by region. Consult your local Cat dealer for further details.

| Linkage                                  |                | Forestry Linkage                         |                          |                          |  |  |  |
|--|----------------|--|--------------------------|--------------------------|--|--|--|
| Bucket Type                              |                | High Dump – Hook-On – Fusion – VCE Small |                          |                          |  |  |  |
| Edge Type                                |                | Bolt-On<br>Cutting Edges                 | Bolt-On<br>Cutting Edges | Bolt-On<br>Cutting Edges |  |  |  |
| Capacity – Rated                         | m <sup>3</sup> | 6.10                                     | 7.60                     | 9.20                     |  |  |  |
|  | $yd^3$         | 8.00                                     | 10.00                    | 12.00                    |  |  |  |
| Capacity – Rated at 110% Fill Factor     | m <sup>3</sup> | 6.70                                     | 8.40                     | 10.10                    |  |  |  |
|  | $yd^3$         | 8.75                                     | 11.00                    | 13.25                    |  |  |  |
| Width                                    | mm             | 3037                                     | 3350                     | 3350                     |  |  |  |
|  | ft/in          | 9'11"                                    | 10'11"                   | 10'11"                   |  |  |  |
| 16† Dump Clearance at Maximum Lift       | mm             | 2481                                     | 2411                     | 2269                     |  |  |  |
| and 45° Discharge                        | ft/in          | 8'1"                                     | 7'10"                    | 7'5"                     |  |  |  |
| 17† Reach at Maximum Lift and            | mm             | 1827                                     | 1898                     | 2040                     |  |  |  |
| 45° Discharge                            | ft/in          | 5'11"                                    | 6'2"                     | 6'8"                     |  |  |  |
| Reach at Level Lift Arm and              | mm             | 3556                                     | 3656                     | 3856                     |  |  |  |
| Bucket Level                             | ft/in          | 11'8"                                    | 11'11"                   | 12'7"                    |  |  |  |
| A† Digging Depth                         | mm             | 73                                       | 73                       | 73                       |  |  |  |
|  | in             | 2.9"                                     | 2.9"                     | 2.9"                     |  |  |  |
| 12† Overall Length                       | mm             | 9396                                     | 9496                     | 9696                     |  |  |  |
|  | ft/in          | 30'10"                                   | 31'2"                    | 31'10"                   |  |  |  |
| <b>B</b> † Overall Height with Bucket at | mm             | 6222                                     | 6310                     | 6511                     |  |  |  |
| Maximum Lift                             | ft/in          | 20'5"                                    | 20'9"                    | 21'5"                    |  |  |  |
| Loader Clearance Circle Radius           | mm             | 7077                                     | 7248                     | 7319                     |  |  |  |
| with Bucket at Carry Position            | ft/in          | 23'3"                                    | 23'10"                   | 24'1"                    |  |  |  |
| Static Tipping Load, Straight            | kg             | 12 207                                   | 11 879                   | 11 532                   |  |  |  |
| (With tire deflection)                   | lb             | 26,913                                   | 26,190                   | 25,424                   |  |  |  |
| Static Tipping Load, Straight            | kg             | 13 013                                   | 12 685                   | 12 340                   |  |  |  |
| (No tire deflection)                     | 1b             | 28,689                                   | 27,966                   | 27,206                   |  |  |  |
| Static Tipping Load,                     | kg             | 10 212                                   | 9897                     | 9570                     |  |  |  |
| Articulated (With tire deflection)       | 1b             | 22,513                                   | 21,819                   | 21,099                   |  |  |  |
| Static Tipping Load, Articulated         | kg             | 11 036                                   | 10 721                   | 10 399                   |  |  |  |
| (No tire deflection)                     | lb             | 24,332                                   | 23,637                   | 22,926                   |  |  |  |
| Breakout Force(§)                        | kN             | 137                                      | 128                      | 115                      |  |  |  |
|  | lbf            | 30,806                                   | 28,929                   | 25,961                   |  |  |  |
| Operating Weight*                        | kg             | 22 290                                   | 22 520                   | 22 693                   |  |  |  |
|  | lb             | 49,141                                   | 49,648                   | 50,029                   |  |  |  |

<sup>\*</sup> Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 23.5R25 VJT L3 radial tires, full fluids, operator, axle oil cooler, logger counterweight, ride control, cold start, roading fenders, Product Link, manual diff lock/open axles (front/rear), logger package, powertrain guard, secondary steering and sound suppression.

<sup>†</sup> Illustration shown with Dimension charts.

<sup>(§)</sup> Measured 100 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with ISO 14397-2:2007.

<sup>(</sup>With tire deflection) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

<sup>(</sup>No tire deflection) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

Other buckets are available and offerings vary by region. Consult your local Cat dealer for further details.

| Linkage                                  |                |                          |                          | Forestry Linkage         |                          |                          |
|--|----------------|--------------------------|--------------------------|--------------------------|--------------------------|--------------------------|
| Bucket Type                              |                | Flat Floor – Pin-On      | Woodchi                  | p – Pin-On               | Woodchip – Ho            | ook-On – Fusion          |
| Edge Type                                |                | Bolt-On<br>Cutting Edges |
| Capacity – Rated                         | m <sup>3</sup> | 6.10                     | 9.20                     | 9.90                     | 9.20                     | 9.90                     |
|  | $yd^3$         | 8.00                     | 12.00                    | 13.00                    | 12.00                    | 13.00                    |
| Capacity - Rated at 110% Fill Factor     | $m^3$          | 6.70                     | 10.10                    | 10.90                    | 10.10                    | 10.90                    |
|  | $yd^3$         | 8.75                     | 13.25                    | 14.25                    | 13.25                    | 14.25                    |
| Width                                    | mm             | 3357                     | 3330                     | 3330                     | 3330                     | 3330                     |
|  | ft/in          | 11'0"                    | 10'11"                   | 10'11"                   | 10'11"                   | 10'11"                   |
| 16† Dump Clearance at Maximum Lift       | mm             | 2105                     | 2450                     | 2375                     | 2357                     | 2353                     |
| and 45° Discharge                        | ft/in          | 6'10"                    | 8'0"                     | 7'9"                     | 7'8"                     | 7'8"                     |
| 17† Reach at Maximum Lift and            | mm             | 2069                     | 1866                     | 1941                     | 1959                     | 1963                     |
| 45° Discharge                            | ft/in          | 6'9"                     | 6'1"                     | 6'4"                     | 6'5"                     | 6'5"                     |
| Reach at Level Lift Arm and              | mm             | 3993                     | 3605                     | 3711                     | 3737                     | 3743                     |
| Bucket Level                             | ft/in          | 13'1"                    | 11'9"                    | 12'2"                    | 12'3"                    | 12'3"                    |
| A† Digging Depth                         | mm             | 199                      | 98                       | 98                       | 98                       | 98                       |
|  | in             | 7.8"                     | 3.8"                     | 3.8"                     | 3.8"                     | 3.8"                     |
| 12† Overall Length                       | mm             | 9898                     | 9442                     | 9548                     | 9574                     | 9580                     |
|  | ft/in          | 32'6"                    | 31'0"                    | 31'4"                    | 31'5"                    | 31'6"                    |
| <b>B</b> † Overall Height with Bucket at | mm             | 5761                     | 6454                     | 6546                     | 6512                     | 6563                     |
| Maximum Lift                             | ft/in          | 18'11"                   | 21'3"                    | 21'6"                    | 21'5"                    | 21'7"                    |
| Loader Clearance Circle Radius           | mm             | 7520                     | 7220                     | 7256                     | 7266                     | 7268                     |
| with Bucket at Carry Position            | ft/in          | 24'9"                    | 23'9"                    | 23'10"                   | 23'11"                   | 23'11"                   |
| Static Tipping Load, Straight            | kg             | 9502                     | 13 203                   | 13 127                   | 11 861                   | 11 911                   |
| (With tire deflection)                   | 1b             | 20,949                   | 29,108                   | 28,940                   | 26,150                   | 26,260                   |
| Static Tipping Load, Straight            | kg             | 10 103                   | 14 055                   | 13 988                   | 12 612                   | 12 670                   |
| (No tire deflection)                     | lb             | 22,274                   | 30,986                   | 30,840                   | 27,805                   | 27,934                   |
| Static Tipping Load,                     | kg             | 7736                     | 11 171                   | 11 088                   | 9962                     | 10 006                   |
| Articulated (With tire deflection)       | lb             | 17,055                   | 24,629                   | 24,446                   | 21,963                   | 22,060                   |
| Static Tipping Load, Articulated         | kg             | 8362                     | 12 041                   | 11 968                   | 10 734                   | 10 787                   |
| (No tire deflection)                     | lb             | 18,436                   | 26,546                   | 26,384                   | 23,665                   | 23,781                   |
| Breakout Force(§)                        | kN             | 98                       | 129                      | 122                      | 120                      | 120                      |
|  | lbf            | 22,235                   | 29,083                   | 27,471                   | 27,171                   | 27,022                   |
| Operating Weight*                        | kg             | 23 548                   | 21 447                   | 21 539                   | 22 082                   | 22 043                   |
|  | lb             | 51,914                   | 47,282                   | 47,485                   | 48,682                   | 48,596                   |

<sup>\*</sup>Static tipping loads and operating weights shown are based on a machine configuration with Bridgestone 23.5R25 VJT L3 radial tires, full fluids, operator, axle oil cooler, logger counterweight, ride control, cold start, roading fenders, Product Link, manual diff lock/open axles (front/rear), logger package, powertrain guard, secondary steering and sound suppression.

<sup>†</sup> Illustration shown with Dimension charts.

<sup>(§)</sup> Measured 100 mm (4") behind tip of cutting edge with bucket hinge pin as pivot point in accordance with ISO 14397-2:2007.

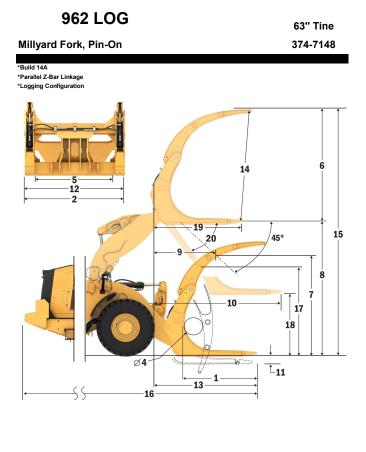
<sup>(</sup>With tire deflection) Full compliance to ISO 14397-1:2007 Sections 1 thru 6, which requires 2% verification between calculations and testing.

<sup>(</sup>No tire deflection) Compliance to ISO 14397-1:2007 Sections 1 thru 5.

Other buckets are available and offerings vary by region. Consult your local Cat dealer for further details.

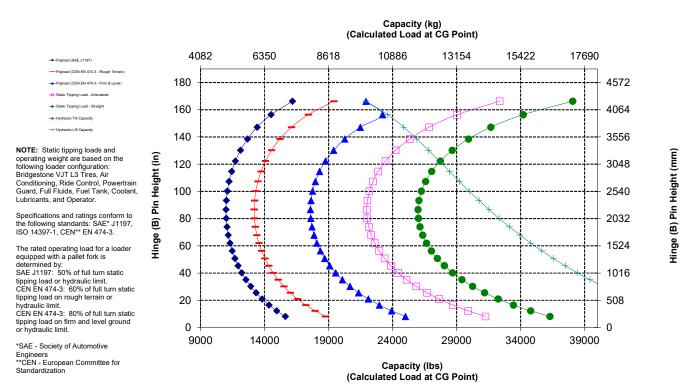
## **Fork Specifications**

| Fo    | rk Specifications  |           |             |
|-------|--|-----------|-------------|
| 1     | Tine length  | mm        | 1609        |
|       |  | in        | 63.3        |
| 2     | Fork width   | mm        | 2324        |
|       |  | in        | 91.5        |
|       | End area   | m2        | 1.26        |
|       | 1.21.11.217  | ft2       | 14          |
| 3     | Inside Height  | mm        | 0           |
|       | (only applies to double top clamp) Min. opening            | in        | 0           |
| 4     | (only applies to millyard forks)                           | mm<br>:   | 427         |
|       | , , , ,  | in        | 17<br>21601 |
|       | Operating Weight   | kg<br>Ibs | 47621       |
|       |  | mm        | 1780        |
| 5     | Distance inside of tine tips                               |           | 70          |
|       | Static tipping load, articulated                           | in_<br>kg | 9970        |
|       | Fork level   | lbs       | 21980.3     |
|       | Static tipping load, straight                              | kg        | 11788       |
|       | Fork level   | lbs       | 25987.9     |
| _     | Max. height of fork  | mm        | 2843        |
| 6     | (w/clamp open if applicable)                               | in        | 111.9       |
| _     | Clearance w/full lift, 45 deg dump                         | mm        | 2817        |
| 7     | (if max. dump <> 45)                                       | in        | 110.9       |
| _     |  | mm        | 3949        |
| 8     | Clearance @ full lift fork level                           | in        | 155.5       |
| 9     | Reach w/full lift, 45 deg dump                             | mm        | 1544        |
| 9     | (if max. dump <> 45)                                       | in        | 60.8        |
| 40    | Reach w/lift arm horizontal and fork level                 | mm        | 3118        |
| 10    | Reach while ann nonzonial and lork level                   | in        | 122.8       |
| 11    | *Ground to Bottom of Tool at Minimum Height and Tool Level | mm        | -68         |
| • • • | Ground to bottom or roof at Millimum Height and roof Level | in        | -2.7        |
| 12    | Width over tines   | mm        | 2286        |
| 12    | Widel Over allow   | in        | 90.0        |
| 13    | Reach @ ground level                                       | mm        | 2538        |
|       | Troubil @ ground level                                     | in        | 100         |
| 14    | Max. opening across tine and clamp                         | mm        | 2709        |
| •     | · · · · · · · · · · · · · · · · · · ·                      | in        | 106.7       |
| 15    | Overall height of fork @ full lift and                     | mm        | 6792        |
|       | clamp open   | in        | 267.4       |
| 16    | Overall length   | mm        | 8932        |
|       | Tip of tine to rear of machine                             | in        | 351.7       |
| 17    | Clearance @ full lift and max. dump                        | mm        | 2804        |
| ••    | Discharge (if <> 45)                                       | in        | 110.4       |
| 18    | Clearance w/horizontal lift arms and                       | mm        | 1797.2      |
|       | fork level   | in        | 70.8        |



20 Max. discharge angle from horizontal

19 Reach @ full lift and fork level



in

deg 46 8.0

70.8 2239.5

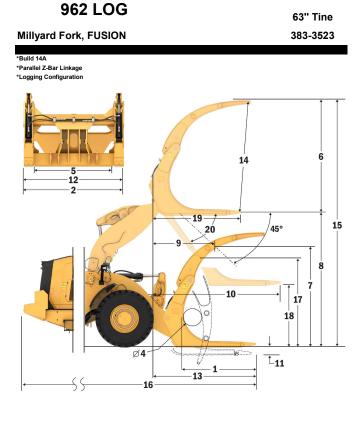
88.2

<sup>\*</sup>Negative values indicate below grade

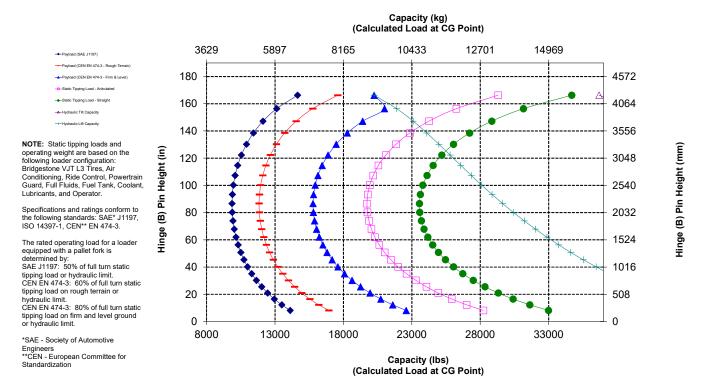
## **Fork Specifications**

#### **Fork Specifications**

|     | ik opecilications   |          |              |
|-----|---|----------|--------------|
| 1   | Tine length   | mm<br>in | 1609<br>63.3 |
| _   | = 1 1W  | mm       | 2324         |
| 2   | Fork width  | in       | 91.5         |
|     |   | m2       | 1.26         |
|     | End area  | ft2      | 14           |
| _   | Inside Height   | mm       | 0            |
| 3   | (only applies to double top clamp)                          | in       | 0            |
| 4   | Min. opening  | mm       | 427          |
| 4   | (only applies to millyard forks)                            | in       | 17           |
|     | O   | kg       | 22273        |
|     | Operating Weight  | lbs      | 49102        |
| -   | Distance incide of the stime                                | mm       | 1780         |
| 5   | Distance inside of tine tips                                | in       | 70           |
|     | Static tipping load, articulated                            | kg       | 8947         |
|     | Fork level  | lbs      | 19724.4      |
|     | Static tipping load, straight                               | kg       | 10685        |
|     | Fork level  | lbs      | 23557.3      |
| _   | Max. height of fork   | mm       | 2843         |
| 6   | (w/clamp open if applicable)                                | in       | 111.9        |
| 7   | Clearance w/full lift, 45 deg dump                          | mm       | 2730         |
| ′   | (if max. dump <> 45)  | in       | 107.5        |
| 8   | Clearance @ full lift fork level                            | mm       | 3963         |
| 0   | Clearance @ run int lork level                              | in       | 156.0        |
| 9   | Reach w/full lift, 45 deg dump                              | mm       | 1650         |
| 9   | (if max. dump <> 45)  | in       | 65.0         |
| 10  | Reach w/lift arm horizontal and fork level                  | mm       | 3255         |
| 10  | Neach Willit aith horizontal and lork level                 | in       | 128.2        |
| 11  | *Ground to Bottom of Tool at Minimum Height and Tool Level  | mm       | -54          |
| • • | Ground to Bottom or Tool at Millimum Height and Tool Level  | in       | -2.1         |
| 12  | Width over tines  | mm       | 2286         |
| 12  | Width over thes   | in       | 90.0         |
| 12  | Reach @ ground level  | mm       | 2665         |
| 13  | rreach & ground level                                       | in       | 105          |
| 14  | Max. opening across tine and clamp                          | mm       | 2709         |
|     |   | in       | 106.7        |
| 15  | Overall height of fork @ full lift and                      | mm       | 6806         |
|     | clamp open  | in       | 267.9        |
| 16  | Overall length  | mm       | 9059         |
|     | Tip of tine to rear of machine                              | in       | 356.7        |
| 17  | Clearance @ full lift and max. dump<br>Discharge (if <> 45) | mm       | 2456         |
|     | Clearance w/horizontal lift arms and                        | in       | 96.7         |
| 18  | fork level  | mm       | 1810.9       |
|     | IOIN IOVOI  | in       | 71.3         |
| 19  | Reach @ full lift and fork level                            | mm       | 2376.6       |
|     |   | in       | 93.6         |
| 20  | Max. discharge angle from horizontal                        | deg      | 63           |
|     |   | rad      | 1.1          |



\*Negative values indicate below grade



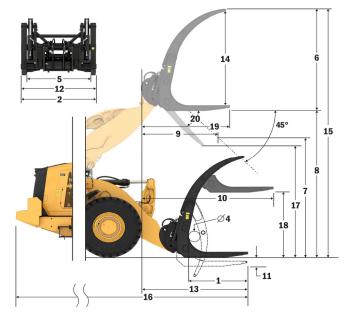
## **Fork Specifications**

#### **Fork Specifications**

|     | ik opecilications   |          |              |
|-----|---|----------|--------------|
| 1   | Tine length   | mm<br>in | 1677<br>66.0 |
|     |   | mm       | 2236         |
| 2   | Fork width  | in       | 88.0         |
|     |   | m2       | 1.39         |
|     | End area  | ft2      | 1.59         |
|     | Inside Height   | mm       | 0            |
| 3   | (only applies to double top clamp)                          | in       | 0            |
|     | Min. opening  | mm       | 330          |
| 4   | (only applies to millyard forks)                            | in       | 13           |
|     | , , , ,   | kg       | 20985        |
|     | Operating Weight  | lbs      | 46263        |
|     |   | mm       | 1904         |
| 5   | Distance inside of tine tips                                | in       | 75           |
|     | Static tipping load, articulated                            | kg       | 9661         |
|     | Fork level  | lbs      | 21299.7      |
|     | Static tipping load, straight                               | kg       | 11333        |
|     | Fork level  | lbs      | 24985.0      |
| _   | Max. height of fork   | mm       | 3144         |
| 6   | (w/clamp open if applicable)                                | in       | 123.8        |
| _   | Clearance w/full lift, 45 deg dump                          | mm       | 2544         |
| 7   | (if max. dump <> 45)  | in       | 100.2        |
| _   |   | mm       | 3847         |
| 8   | Clearance @ full lift fork level                            | in       | 151.5        |
| 9   | Reach w/full lift, 45 deg dump                              | mm       | 1672         |
| 9   | (if max. dump <> 45)  | in       | 65.8         |
| 40  | Reach w/lift arm horizontal and fork level                  | mm       | 3402         |
| 10  | Reach while and nonzontal and lork level                    | in       | 133.9        |
| 11  | *Ground to Bottom of Tool at Minimum Height and Tool Level  | mm       | -170         |
| • • | Ground to Bottom or 1001 at Millimum Height and 1001 Level  | in       | -6.7         |
| 12  | Width over tines  | mm       | 2184         |
| 12  | Width over tines  | in       | 86.0         |
| 12  | Reach @ ground level  | mm       | 2893         |
| 13  | Neach @ ground level  | in       | 114          |
| 11  | Max. opening across tine and clamp                          | mm       | 2914         |
| 14  | Max. Opening across line and clamp                          | in       | 114.7        |
| 15  | Overall height of fork @ full lift and                      | mm       | 6990         |
| 13  | clamp open  | in       | 275.2        |
| 16  | Overall length  | mm       | 9287         |
|     | Tip of tine to rear of machine                              | in       | 365.6        |
| 17  | Clearance @ full lift and max. dump<br>Discharge (if <> 45) | mm<br>:  | 2529         |
|     | Clearance w/horizontal lift arms and                        | in       | 99.6         |
| 18  | fork level  | mm<br>:  | 1695.1       |
|     | IOLV ICACI  | in       | 66.7         |
| 19  | Reach @ full lift and fork level                            | mm<br>:  | 2523.4       |
|     | -   | in       | 99.3         |
| 20  | Max. discharge angle from horizontal                        | deg      | 46           |
|     | <u> </u>  | rad      | 0.8          |

#### 962 LOG 66" Tine Millyard Pole Fork, Pin-On 384-3214

\*Parallel Z-Bar Linkage \*Logging Configuration



Hinge (B) Pin Height (mm)

\*Negative values indicate below grade

NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3 Tires, Air

Specifications and ratings conform to the following standards: SAE\* J1197, ISO 14397-1, CEN\*\* EN 474-3.

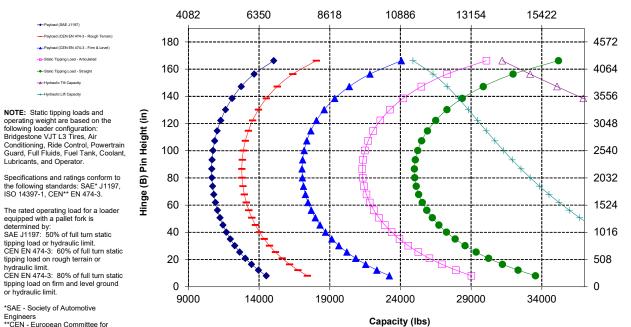
hydraulic limit. CEN EN 474-3: 80% of full turn static tipping load on firm and level ground

\*SAE - Society of Automotive Engineers
\*\*CEN - European Committee for Standardization

or hydraulic limit.

Lubricants, and Operator.

# Capacity (kg) (Calculated Load at CG Point)



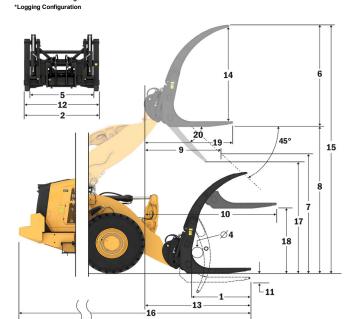
(Calculated Load at CG Point)

108

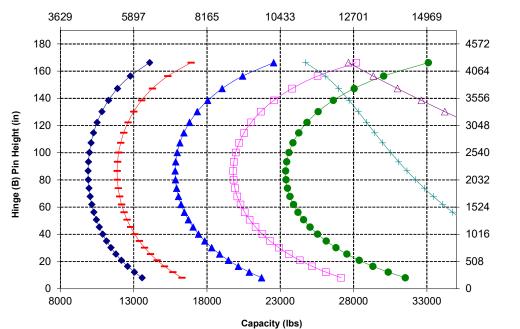
#### **Fork Specifications**

|    | ik opcomoduono   |          |              |
|----|--|----------|--------------|
| 1  | Tine length  | mm<br>in | 1677<br>66.0 |
| _  |  |          | 2236         |
| 2  | Fork width   | mm<br>in | 88.0         |
|    |  | m2       | 1.39         |
|    | End area   | ft2      | 1.59         |
|    | Inside Height  | mm       | 0            |
| 3  | (only applies to double top clamp)                         | in       | 0            |
|    | Min. opening   | mm       | 330          |
| 4  | (only applies to millyard forks)                           | in       | 13           |
|    | ,                    | kg       | 21541        |
|    | Operating Weight   | lbs      | 47489        |
|    |  | mm       | 1904         |
| 5  | Distance inside of tine tips                               | in       | 75           |
|    | Static tipping load, articulated                           | kg       | 8974         |
|    | Fork level   | lbs      | 19783        |
|    | Static tipping load, straight                              | kq       | 10600        |
|    | Fork level   | lbs      | 23367.       |
|    | Max. height of fork  | mm       | 3148         |
| 6  | (w/clamp open if applicable)                               | in       | 123.9        |
| _  | Clearance w/full lift, 45 deg dump                         | mm       | 2535         |
| 7  | (if max. dump <> 45)                                       | in       | 99.8         |
| _  | , , ,  | mm       | 3923         |
| 8  | Clearance @ full lift fork level                           | in       | 154.4        |
| _  | Reach w/full lift, 45 deg dump                             | mm       | 1789         |
| 9  | (if max. dump <> 45)                                       | in       | 70.4         |
|    | . ,  | mm       | 3492         |
| 10 | Reach w/lift arm horizontal and fork level                 | in       | 137.5        |
| _  |  | mm       | -94          |
| 11 | *Ground to Bottom of Tool at Minimum Height and Tool Level | in       | -3.7         |
|    |  | mm       | 2184         |
| 12 | Width over tines   | in       | 86.0         |
|    |  | mm       | 2930         |
| 13 | Reach @ ground level                                       | in       | 115          |
|    |  | mm       | 2914         |
| 14 | Max. opening across tine and clamp                         | in       | 114.7        |
|    | Overall height of fork @ full lift and                     | mm       | 7071         |
| 15 | clamp open   | in       | 278.4        |
| _  | Overall length   | mm       | 9324         |
| 16 | Tip of tine to rear of machine                             | in       | 367.1        |
|    | Clearance @ full lift and max. dump                        | mm       | 2357         |
| 17 | Discharge (if <> 45)                                       | in       | 92.8         |
|    | Clearance w/horizontal lift arms and                       | mm       | 1770.9       |
| 18 | fork level   | in       | 69.7         |
|    |  | mm       | 2612.9       |
| 19 | Reach @ full lift and fork level                           | in       | 102.9        |
| _  |  | deg      | 54           |
| 20 | Max. discharge angle from horizontal                       | rad      | 0.9          |
| _  |  | rau      | 0.9          |





#### Capacity (kg) (Calculated Load at CG Point)



(Calculated Load at CG Point)

NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE\* J1197, ISO 14397-1, CEN\*\* EN 474-3.

The rated operating load for a loader equipped with a pallet fork is determined by:
SAE J1197: 50% of full turn static tipping load or hydraulic limit.
CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.
CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

\*SAE - Society of Automotive Engineers \*\*CEN - European Committee for Standardization

<sup>\*</sup>Negative values indicate below grade

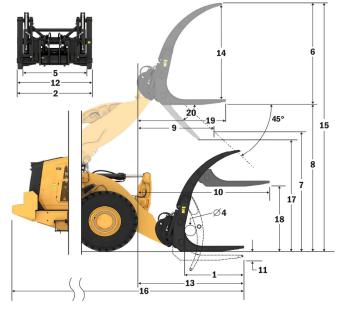
# **Fork Specifications**

| Fork Specifications |
|---------------------|
|---------------------|

|     | ik opcomoutions  |          |              |
|-----|--|----------|--------------|
| 1   | Tine length  | mm<br>in | 1677<br>66.0 |
|     |  |          | 2236         |
| 2   | Fork width   | mm<br>in | 2236<br>88.0 |
|     |  | m2       | 1.39         |
|     | End area   | ft2      | 1.59         |
|     | Inside Height  |          | 0            |
| 3   | (only applies to double top clamp)                         | mm       |              |
|     | Min. opening   | in       | 0            |
| 4   | (only applies to millyard forks)                           | mm       | 330          |
|     | (Only applies to miliyard lorks)                           | in       | 13           |
|     | Operating Weight   | kg       | 20980        |
|     |  | lbs      | 46252        |
| 5   | Distance inside of tine tips                               | mm       | 1904         |
|     | 000000000000000000000000000000000000000                    | in       | 75           |
|     | Static tipping load, articulated                           | kg       | 9666         |
|     | Fork level   | lbs      | 21309.6      |
|     | Static tipping load, straight                              | kg       | 11338        |
|     | Fork level   | lbs      | 24994.9      |
| 6   | Max. height of fork  | mm       | 3144         |
| _   | (w/clamp open if applicable)                               | in       | 123.8        |
| 7   | Clearance w/full lift, 45 deg dump                         | mm       | 2550         |
| _   | (if max. dump <> 45)                                       | in       | 100.4        |
| 8   | Clearance @ full lift fork level                           | mm       | 3847         |
| _   | Olearanoe @ fair file fork level                           | in       | 151.5        |
| 9   | Reach w/full lift, 45 deg dump                             | mm       | 1667         |
| •   | (if max. dump <> 45)                                       | in       | 65.6         |
| 10  | Reach w/lift arm horizontal and fork level                 | mm       | 3394         |
| 10  | Neach Will and nonzonial and lork level                    | in       | 133.6        |
| 11  | *Ground to Bottom of Tool at Minimum Height and Tool Level | mm       | -170         |
| • • | Glound to Bottom of Tool at Millimum Height and Tool Level | in       | -6.7         |
| 42  | Width over tines   | mm       | 2184         |
| 12  | Width over tines   | in       | 86.0         |
| 40  | Decelo @ second level                                      | mm       | 2885         |
| 13  | Reach @ ground level                                       | in       | 114          |
|     | M  | mm       | 2914         |
| 14  | Max. opening across tine and clamp                         | in       | 114.7        |
|     | Overall height of fork @ full lift and                     | mm       | 6990         |
| 15  | clamp open   | in       | 275.2        |
| 40  | Overall length   | mm       | 9279         |
| 16  | Tip of tine to rear of machine                             | in       | 365.3        |
|     | Clearance @ full lift and max. dump                        | mm       | 2535         |
| 17  | Discharge (if <> 45)                                       | in       | 99.8         |
|     | Clearance w/horizontal lift arms and                       | mm       | 1695.0       |
| 18  | fork level   | in       | 66.7         |
|     | IOIN IOVOI   |          |              |
| 19  | Reach @ full lift and fork level                           | mm       | 2515.4       |
|     |  | in       | 99.0         |
| 20  | Max. discharge angle from horizontal                       | deg      | 46           |
|     |  | rad      | 8.0          |
|     |  |          |              |

# 962 LOG 66" Tine Millyard Pole Fork, Pin-On 445-2466

\*Parallel Z-Bar Linkage \*Logging Configuration



Hinge (B) Pin Height (mm)

\*Negative values indicate below grade

NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3 Tires, Air

Lubricants, and Operator.

Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant,

Specifications and ratings conform to the following standards: SAE\* J1197, ISO 14397-1, CEN\*\* EN 474-3.

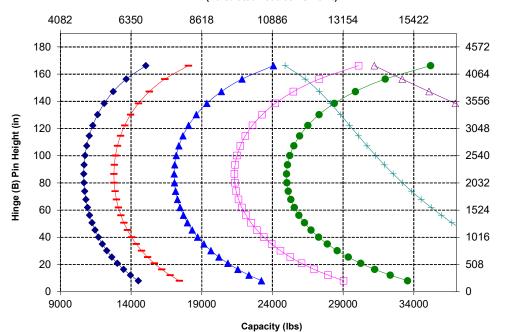
The rated operating load for a loader equipped with a pallet fork is determined by:
SAE J1197: 50% of full turn static tipping load or hydraulic limit.
CEN EN 474-3: 60% of full turn static tipping load on rough terrain or beverable limit.

hydraulic limit. CEN EN 474-3: 80% of full turn static tipping load on firm and level ground

\*SAE - Society of Automotive Engineers \*\*CEN - European Committee for Standardization

or hydraulic limit.

#### Capacity (kg) (Calculated Load at CG Point)

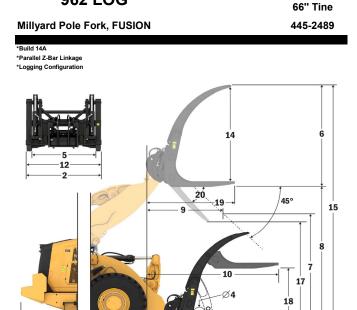


(Calculated Load at CG Point)

110

#### **Fork Specifications**

|     | ik opecilications  |           |              |
|-----|--|-----------|--------------|
| 1   | Tine length  | mm<br>in  | 1677<br>66.0 |
|     |  | mm        | 2236         |
| 2   | Fork width   | in        | 88.0         |
|     |  | m2        | 1.39         |
|     | End area   | ft2       | 1.55         |
|     | Inside Height  | mm        | 0            |
| 3   | (only applies to double top clamp)                         | in        | 0            |
|     | Min. opening   | mm        | 330          |
| 4   | (only applies to millyard forks)                           | in        | 13           |
|     | ,  | kg        | 21542        |
|     | Operating Weight   | lbs       | 47491        |
|     |  | mm        | 1904         |
| 5   | Distance inside of tine tips                               | in        | 75           |
|     | Static tipping load, articulated                           | kq        | 8973         |
|     | Fork level   | -         | 19781.6      |
|     | Static tipping load, straight                              | lbs<br>kg | 10599        |
|     | Fork level   | kg<br>lbs | 23366.2      |
|     | Max. height of fork  | mm        | 3148         |
| 6   | (w/clamp open if applicable)                               |           |              |
|     | Clearance w/full lift, 45 deg dump                         | in        | 123.9        |
| 7   | (if max. dump <> 45)                                       | mm        | 2539         |
|     | (II max. dump <> 45)                                       | in        | 100.0        |
| 8   | Clearance @ full lift fork level                           | mm        | 3923         |
|     | Deschauffell life 45 deschare                              | in        | 154.4        |
| 9   | Reach w/full lift, 45 deg dump                             | mm        | 1785         |
|     | (if max. dump <> 45)                                       | in        | 70.3         |
| 10  | Reach w/lift arm horizontal and fork level                 | mm        | 3485         |
|     |  | in        | 137.2        |
| 11  | *Ground to Bottom of Tool at Minimum Height and Tool Level | mm        | -94          |
|     |  | in        | -3.7         |
| 12  | Width over tines   | mm        | 2184         |
|     |  | in        | 86.0         |
| 13  | Reach @ ground level                                       | mm        | 2924         |
|     |  | in        | 115          |
| 14  | Max. opening across tine and clamp                         | mm        | 2914         |
|     |  | in        | 114.7        |
| 15  | Overall height of fork @ full lift and                     | mm        | 7071         |
|     | clamp open   | in        | 278.4        |
| 16  | Overall length   | mm        | 9318         |
|     | Tip of tine to rear of machine                             | in        | 366.9        |
| 17  | Clearance @ full lift and max. dump                        | mm        | 2362         |
|     | Discharge (if <> 45)                                       | in        | 93.0         |
| 18  | Clearance w/horizontal lift arms and                       | mm        | 1770.9       |
|     | fork level   | in        | 69.7         |
| 19  | Reach @ full lift and fork level                           | mm        | 2606.7       |
| .,, | 1.0001 @ fail int and fork lover                           | in        | 102.6        |
| 20  | Max. discharge angle from horizontal                       | deg       | 54           |
| 20  | max. disonarge drigite from nonzonial                      | rad       | 0.9          |



\*Negative values indicate below grade

NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3 Tires, Air

Lubricants, and Operator,

Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant,

Specifications and ratings conform to the following standards: SAE\* J1197, ISO 14397-1, CEN\*\* EN 474-3.

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CEN EN 474-3: 60% of full turn static tipping load on rough terrain or beverable limit.

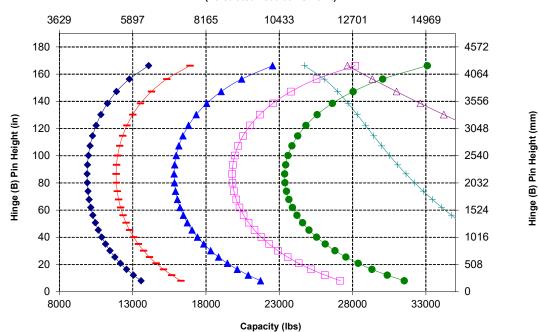
hydraulic limit. CEN EN 474-3: 80% of full turn static tipping load on firm and level ground

\*SAE - Society of Automotive Engineers \*\*CEN - European Committee for Standardization

or hydraulic limit.

#### Capacity (kg) (Calculated Load at CG Point)

962 LOG



(Calculated Load at CG Point)

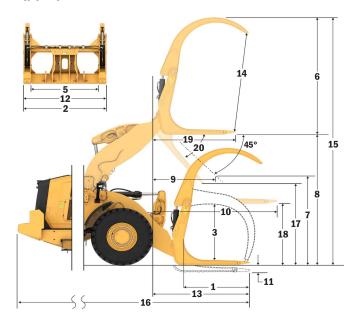
# **Fork Specifications**

| Fo | rk Specifications |
|----|-------------------|
| 1  | Tine length       |

| 1  | Tine length  | mm<br>in | 1609<br>63.3  |
|----|--|----------|---------------|
| _  | En la della  | mm       | 2332          |
| 2  | Fork width   | in       | 91.8          |
|    | End area   | m2       | 1.9           |
|    | Life area  | ft2      | 20            |
| 3  | Inside Height  | mm       | 1381          |
| _  | (only applies to double top clamp)                         | in       | 54            |
| 4  | Min. opening   | mm       | N/A           |
| ·  | (only applies to millyard forks)                           | in       | N/A           |
|    | Operating Weight   | kg       | 21413         |
|    |  | lbs      | 47206         |
| 5  | Distance inside of tine tips                               | mm       | 1776          |
|    | ·  | in       | 70            |
|    | Static tipping load, articulated                           | kg       | 9652          |
|    | Fork level   | lbs      | 21279.2       |
|    | Static tipping load, straight                              | kg       | 11373         |
|    | Fork level   | lbs      | 25073.4       |
| 6  | Max. height of fork  | mm       | 2944          |
| _  | (w/clamp open if applicable)                               | in       | 115.9         |
| 7  | Clearance w/full lift, 45 deg dump                         | mm       | 2816          |
|    | (if max. dump <> 45)                                       | in       | 110.9         |
| 8  | Clearance @ full lift fork level                           | mm       | 3950          |
| _  |  | in       | 155.5         |
| 9  | Reach w/full lift, 45 deg dump                             | mm       | 1545          |
|    | (if max. dump <> 45)                                       | in       | 60.8          |
| 10 | Reach w/lift arm horizontal and fork level                 | mm       | 3120          |
|    | ·  | in       | 122.8         |
| 11 | *Ground to Bottom of Tool at Minimum Height and Tool Level | mm       | -67           |
|    |  | in       | -2.6          |
| 12 | Width over tines   | mm       | 2298          |
|    |  | in       | 90.5          |
| 13 | Reach @ ground level                                       | mm       | 2540          |
|    |  | in       | 100           |
| 14 | Max. opening across tine and clamp                         | mm       | 2542          |
|    |  | in       | 100.1         |
| 15 | Overall height of fork @ full lift and                     | mm       | 6893          |
|    | clamp open   | in       | 271.4         |
| 16 | Overall length Tip of tine to rear of machine              | mm<br>in | 8934<br>351.7 |
|    | Clearance @ full lift and max. dump                        | mm       | 2803          |
| 17 | Discharge (if <> 45)                                       | in       | 110.4         |
|    | Clearance w/horizontal lift arms and                       | mm       | 1797.7        |
| 18 | fork level   | in       | 70.8          |
|    |  | mm       | 2241.2        |
| 19 | Reach @ full lift and fork level                           | in       | 88.2          |
|    |  | deg      | 46            |
| 20 | Max. discharge angle from horizontal                       | rad      | 0.8           |
| _  |  | iuu      | 0.0           |



\*Parallel Z-Bar Linkage \*Logging Configuration



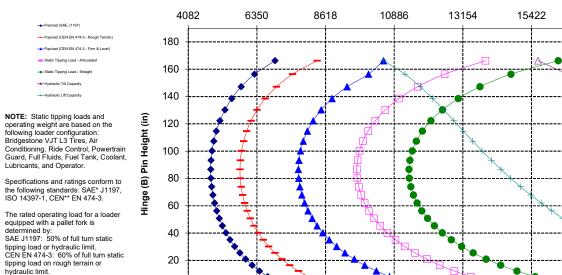
\*Negative values indicate below grade

# Capacity (kg) (Calculated Load at CG Point)

29000

24000

Capacity (lbs) (Calculated Load at CG Point)



19000

hydraulic limit. CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit. \*SAE - Society of Automotive

0

9000

14000

---- Hydraulic Lift Capacity

NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3 Tires, Air

Lubricants, and Operator.

Engineers
\*\*CEN - European Committee for Standardization

Hinge (B) Pin Height (mm)

4572

4064

3556

3048

2540

2032

1524

1016

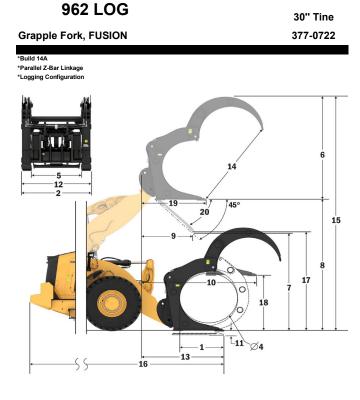
508

0

34000

#### **Fork Specifications**

|    | ik opecilications  |          |             |
|----|--|----------|-------------|
| 1  | Tine length  | mm<br>in | 762<br>30.0 |
|    |  | mm       | 1846        |
| 2  | Fork width   | in       | 72.7        |
|    |  | m2       | 2           |
|    | End area   | ft2      | 22          |
| _  | Inside Height  | mm       | 0           |
| 3  | (only applies to double top clamp)                         | in       | Ö           |
|    | Min. opening   | mm       | 1336        |
| 4  | (only applies to millyard forks)                           | in       | 53          |
|    | , , , ,  | kg       | 21436       |
|    | Operating Weight   | lbs      | 47257       |
| _  | B14 1 11 40 0  | mm       | 1314        |
| 5  | Distance inside of tine tips                               | in       | 52          |
|    | Static tipping load, articulated                           | kg       | 9305        |
|    | Fork level   | lbs      | 20514.5     |
|    | Static tipping load, straight                              | kg       | 10970       |
|    | Fork level   | lbs      | 24185.4     |
| _  | Max. height of fork  | mm       | 2317        |
| 6  | (w/clamp open if applicable)                               | in       | 91.2        |
| 7  | Clearance w/full lift, 45 deg dump                         | mm       | 3294        |
| ,  | (if max. dump <> 45)                                       | in       | 129.7       |
| 8  | Clearance @ full lift fack level                           | mm       | 3863        |
| ٥  | Clearance @ full lift fork level                           | in       | 152.1       |
| 9  | Reach w/full lift, 45 deg dump                             | mm       | 945         |
| 9  | (if max. dump <> 45)                                       | in       | 37.2        |
| 10 | Reach w/lift arm horizontal and fork level                 | mm       | 2357        |
|    | Trought while arm nonzonial and folk lovel                 | in       | 92.8        |
| 11 | *Ground to Bottom of Tool at Minimum Height and Tool Level | mm       | -154        |
|    | Croana to Bottom of Foot at Miniman Florght and Foot 2010  | in       | -6.1        |
| 12 | Width over tines   | mm       | 1832        |
|    | Triali ordi diloc  | in       | 72.1        |
| 13 | Reach @ ground level                                       | mm       | 1837        |
|    |  | in       | 72          |
| 14 | Max. opening across tine and clamp                         | mm       | 2785        |
|    |  | in       | 109.6       |
| 15 | Overall height of fork @ full lift and                     | mm       | 6179        |
|    | clamp open   | in       | 243.3       |
| 16 | Overall length   | mm       | 8231        |
|    | Tip of tine to rear of machine                             | in       | 324.1       |
| 17 | Clearance @ full lift and max. dump                        | mm       | 3221        |
|    | Discharge (if <> 45)                                       | in       | 126.8       |
| 18 | Clearance w/horizontal lift arms and                       | mm       | 1710.8      |
|    | fork level   | in       | 67.4        |
| 19 | Reach @ full lift and fork level                           | mm       | 1478.7      |
|    |  | in       | 58.2        |
| 20 | Max. discharge angle from horizontal                       | deg      | 59          |
|    |  | rad      | 1.0         |



#### Capacity (kg) (Calculated Load at CG Point)

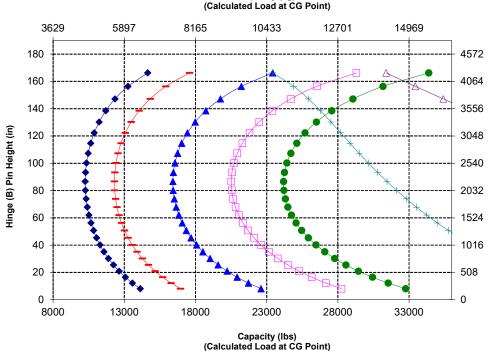


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CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.
CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

\*SAE - Society of Automotive Engineers \*\*CEN - European Committee for Standardization



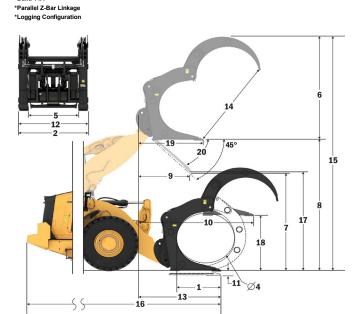
<sup>\*</sup>Negative values indicate below grade

## **Fork Specifications**

**Fork Specifications** 

| 1  | Tine length                                | mm  | 917     |
|----|--|-----|---------|
|    | The length                                 | in  | 36.1    |
| 2  | Fork width                                 | mm  | 1855    |
|    | 1 OIK WIGHT                                | in  | 73.0    |
|    | End area                                   | m2  | 2.5     |
|    | Liid di da                                 | ft2 | 27      |
| 3  | Inside Height                              | mm  | 0       |
|    | (only applies to double top clamp)         | in  | 0       |
| 4  | Min. opening                               | mm  | 1450    |
| _  | (only applies to millyard forks)           | in  | 57      |
|    | Operating Weight                           | kg  | 21651   |
|    | Operating Weight                           | lbs | 47731   |
| 5  | Distance inside of tine tips               | mm  | 1314    |
|    | Distance moide of the upo                  | in  | 52      |
|    | Static tipping load, articulated           | kg  | 8977    |
|    | Fork level                                 | lbs | 19791.2 |
|    | Static tipping load, straight              | kg  | 10618   |
|    | Fork level                                 | lbs | 23407.8 |
| 6  | Max. height of fork                        | mm  | 3433    |
| U  | (w/clamp open if applicable)               | in  | 135.1   |
| 7  | Clearance w/full lift, 45 deg dump         | mm  | 3211    |
| '  | (if max. dump <> 45)                       | in  | 126.4   |
| 8  | Clearance @ full lift fork level           | mm  | 3862    |
| ٥  | Clearance @ full filt fork level           | in  | 152.1   |
| 9  | Reach w/full lift, 45 deg dump             | mm  | 1027    |
| 9  | (if max. dump <> 45)                       | in  | 40.4    |
| 10 | Reach w/lift arm horizontal and fork level | mm  | 2474    |
|    |  |     |         |





Hinge (B) Pin Height (mm)

10 Reach w/lift arm horizontal and fork level

14 Max. opening across tine and clamp

Overall height of fork @ full lift and

Tip of tine to rear of machine
Clearance @ full lift and max. dump
Discharge (if <> 45)

Clearance w/horizontal lift arms and

19 Reach @ full lift and fork level

12 Width over tines

clamp open

Overall length

13 Reach @ ground level

11 \*Ground to Bottom of Tool at Minimum Height and Tool Level



97.4

-155

1850

72.8 1954

123.0

287 2

8348 mm

328.7

1710.3

62.8

1.0

in

in

mm

mm

in mm 3123

in

in

mm 3131 123.3

in

mm

in 67.3 1595.2

deg 57

rad

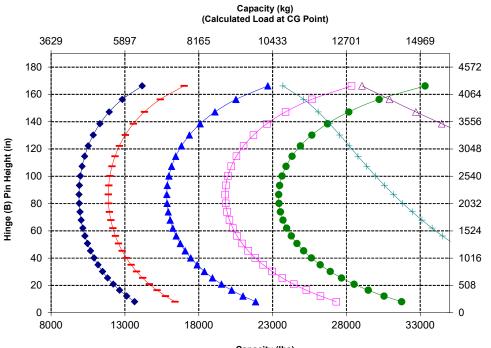


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\*\*CEN - European Committee for Standardization

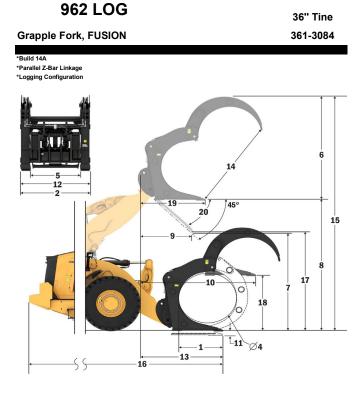


Capacity (lbs) (Calculated Load at CG Point)

<sup>20</sup> Max, discharge angle from horizontal \*Negative values indicate below grade

#### **Fork Specifications**

|    | ik opecinications   |            |                |
|----|---|------------|----------------|
| 1  | Tine length   | mm<br>in   | 917<br>36.1    |
|    |   | mm         | 1855           |
| 2  | Fork width  | in         | 73.0           |
|    | E. L  | m2         | 2.5            |
|    | End area  | ft2        | 27             |
| _  | Inside Height   | mm         | 0              |
| 3  | (only applies to double top clamp)                          | in         | 0              |
| 4  | Min. opening  | mm         | 1450           |
| 4  | (only applies to millyard forks)                            | in         | 57             |
|    | O   | kg         | 22075          |
|    | Operating Weight  | lbs        | 48666          |
| -  | Distance invide of the time                                 | mm         | 1314           |
| 5  | Distance inside of tine tips                                | in         | 52             |
|    | Static tipping load, articulated                            | kg         | 8328           |
|    | Fork level  | lbs        | 18360.0        |
|    | Static tipping load, straight                               | kg         | 9922           |
|    | Fork level  | lbs        | 21873.1        |
| 6  | Max. height of fork   | mm         | 3436           |
| ь  | (w/clamp open if applicable)                                | in         | 135.3          |
| 7  | Clearance w/full lift, 45 deg dump                          | mm         | 3141           |
| '  | (if max. dump <> 45)  | in         | 123.6          |
| 8  | Clearance @ full lift fork level                            | mm         | 3862           |
| ٥  | Clearance @ Idii IIIt lork level                            | in         | 152.1          |
| 9  | Reach w/full lift, 45 deg dump                              | mm         | 1098           |
|    | (if max. dump <> 45)  | in         | 43.2           |
| 10 | Reach w/lift arm horizontal and fork level                  | mm         | 2574           |
|    | Trough White arm nonzonial and fore level                   | in         | 101.3          |
| 11 | *Ground to Bottom of Tool at Minimum Height and Tool Level  | mm         | -155           |
| •  | Ordana to Dottom or Foor at Miniman Frongist and Foor 2070. | in         | -6.1           |
| 12 | Width over tines  | mm         | 1850           |
|    |   | in         | 72.8           |
| 13 | Reach @ ground level  | mm         | 2054           |
|    |   | in         | 81             |
| 14 | Max. opening across tine and clamp                          | mm         | 3123           |
|    |   | in         | 123.0          |
| 15 | Overall height of fork @ full lift and                      | mm         | 7298           |
|    | clamp open  | in         | 287.3          |
| 16 | Overall length  | mm         | 8448           |
|    | Tip of tine to rear of machine                              | in         | 332.6          |
| 17 | Clearance @ full lift and max. dump Discharge (if <> 45)    | mm<br>in   | 3034<br>119.4  |
|    | Clearance w/horizontal lift arms and                        | mm         | 1710.3         |
| 18 | fork level  |            |                |
|    | IOLK IGAGI  | in<br>mm   | 67.3           |
| 19 | Reach @ full lift and fork level                            | in         | 1695.2<br>66.7 |
|    |   |            | 59             |
| 20 | Max. discharge angle from horizontal                        | deg<br>rad | 1.0            |
|    |   | rau        | 1.0            |



# Capacity (kg) (Calculated Load at CG Point)

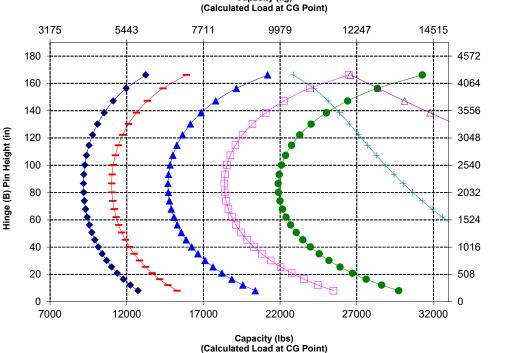


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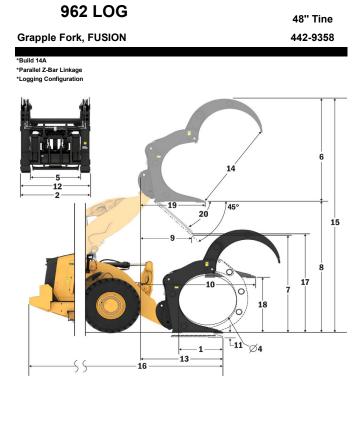
\*SAE - Society of Automotive Engineers
\*\*CEN - European Committee for Standardization



<sup>\*</sup>Negative values indicate below grade

# **Fork Specifications**

| Fo    | rk Specifications  |     |         |
|-------|--|-----|---------|
| 1     | Tine length  | mm  | 1220    |
|       | <u> </u>   | in  | 48.0    |
| 2     | Fork width   | mm  | 1855    |
|       |  | in  | 73.0    |
|       | End area   | m2  | 2.63    |
|       | I. 11 II 11  | ft2 | 28      |
| 3     | Inside Height  | mm  | 0       |
|       | (only applies to double top clamp)                         | in  | 0       |
| 4     | Min. opening   | mm  | 1448    |
|       | (only applies to millyard forks)                           | in  | 57      |
|       | Operating Weight   | kg  | 21812   |
|       |  | lbs | 48086   |
| 5     | Distance inside of tine tips                               | mm  | 1314    |
|       | <u>'</u>   | in  | 52      |
|       | Static tipping load, articulated                           | kg  | 8720    |
|       | Fork level   | lbs | 19223.1 |
|       | Static tipping load, straight                              | kg  | 10344   |
|       | Fork level   | lbs | 22805.2 |
| 6     | Max. height of fork  | mm  | 3356    |
|       | (w/clamp open if applicable)                               | in  | 132.1   |
| 7     | Clearance w/full lift, 45 deg dump                         | mm  | 3029    |
|       | (if max. dump <> 45)                                       | in  | 119.3   |
| 8     | Clearance @ full lift fork level                           | mm  | 3935    |
|       | Oleanance @ Idin IIII Tork level                           | in  | 154.9   |
| 9     | Reach w/full lift, 45 deg dump                             | mm  | 1312    |
|       | (if max. dump <> 45)                                       | in  | 51.6    |
| 10    | Reach w/lift arm horizontal and fork level                 | mm  | 2804    |
| 10    | Reach White and nonzonial and lork level                   | in  | 110.4   |
| 11    | *Ground to Bottom of Tool at Minimum Height and Tool Level | mm  | -82     |
|       | Ground to Bottom or 1001 at Millimum Height and 1001 Level | in  | -3.2    |
| 42    | Width over tines   | mm  | 1850    |
| 12    | Width over tines   | in  | 72.8    |
| 42    | Reach @ ground level                                       | mm  | 2234    |
| 13    | Reach @ ground level                                       | in  | 88      |
| - 4 4 | Many annulus annulus and alama                             | mm  | 3027    |
| 14    | Max. opening across tine and clamp                         | in  | 119.2   |
| 15    | Overall height of fork @ full lift and                     | mm  | 7291    |
| 15    | clamp open   | in  | 287.1   |
|       | Overall length   | mm  | 8628    |
| 16    | Tip of tine to rear of machine                             | in  | 339.7   |
|       | Clearance @ full lift and max. dump                        | mm  | 2896    |
| 17    | Discharge (if <> 45)                                       | in  | 114.0   |
|       | Clearance w/horizontal lift arms and                       | mm  | 1783.0  |
| 18    | fork level   | in  | 70.2    |
|       |  | mm  | 1925.5  |
| 19    | Reach @ full lift and fork level                           | in  | 75.0    |



Hinge (B) Pin Height (mm)

20 Max. discharge angle from horizontal

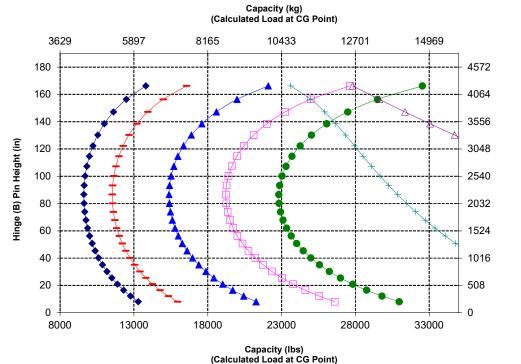


NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE\* J1197, ISO 14397-1, CEN\*\* EN 474-3.

The rated operating load for a loader equipped with a pallet fork is determined by:
SAE J1197: 50% of full turn static tipping load or hydraulic limit.
CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.
CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

\*SAE - Society of Automotive Engineers \*\*CEN - European Committee for Standardization

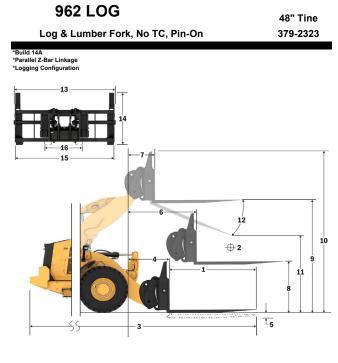


deg 57

<sup>\*</sup>Negative values indicate below grade

#### **Fork Specifications**

|    | ik opecilications   |           |                |
|----|---|-----------|----------------|
| 1  | Tine Length   | mm<br>in  | 1219<br>48.0   |
| 2  | Load Center   | mm        | 610            |
|    | Load Genter   | in        | 24.0           |
|    | Static Tipping Load - Straight (Forks Level)                    | kg        | 12368          |
|    | 11 5 5 7  | lbs       | 27260          |
|    | Static Tipping Load - Articulated (Forks Level)                 | kg<br>lbs | 10675<br>23529 |
|    |   | kg        | 5338           |
|    | Rated Load (SAE J1197 - 50% FTSTL)                              | lbs       | 11764          |
|    | Detect Level (OFN FN 474 0 Decemb Terreion COO/ FTOTI )         | kg        | 6405           |
|    | Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)             | lbs       | 14117          |
|    | Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)     | kg        | 8540           |
|    | Nated Edad (CEN EN 474-51 IIII and Eevel Gloding - 60%) 1 101E) | lbs       | 18823          |
| 3  | Maximum Overall Length  | mm        | 8855           |
| _  |   | in        | 348.6          |
| 4  | Reach with Forks at Ground Level                                | mm        | 1242           |
| _  |   | in        | 48.9<br>-84    |
| 5  | *Ground to Bottom of Tine at Minimum Height and Fork Level      | mm<br>in  | -3.3           |
| _  |   | mm        | 1765           |
| 6  | Reach with Arms Horizontal and Forks Level                      | in        | 69.5           |
| 7  | Decel with Fork at Maximum Height                               | mm        | 886            |
| ′  | Reach with Fork at Maximum Height                               | in        | 34.9           |
| 8  | Ground to Top of Tine with Arms Horizontal and Fork Level       | mm        | 1846           |
|    | Glound to Top of Time with Arms Horizontal and Fork Level       | in        | 72.7           |
| 9  | Ground to Top of Tine at Maximum Height and Fork Level          | mm        | 3997           |
| _  | <u> </u>  | in        | 157.4          |
| 10 | Overall Height of Fork at Full Lift (top of carriage to ground) | mm        | 5533<br>217.8  |
|    |   | in<br>mm  | 2888           |
| 11 | Clearance at Full Lift and Max Dump                             | in        | 113.7          |
| 12 | Max Discharge Angle from Horizontal                             | deg       | 46             |
| 13 | Overall Carriage Width  | mm        | 2470           |
|    |   | in<br>mm  | 97.3<br>1601   |
| 14 | Overall Carriage Height   | in        | 63.0           |
|    |   | mm        | 2366           |
| 15 | Outside Tine Width (max spread)                                 | in        | 93.1           |
| 40 | Outside Tine Width (min spread)                                 | mm        | 1002           |
| 10 | Outside Tine Width (min spread)                                 | in        | 39.4           |
|    | Tine Width (single tine)  | mm        | 180.0          |
|    | Time Width (Single time)  | in        | 7.1            |
|    | Tine Thickness  | mm        | 65.0           |
|    |   | in        | 2.6            |
|    | Tine Capacity   | kg        | 10500          |
|    | · · · · · · · · · · · · · · · · · · ·                           | lbs<br>ka | 23142          |
|    | Operating Weight  | kg<br>lbs | 44249          |
|    |   | เมธ       | 44249          |



\*Negative values indicate below grade

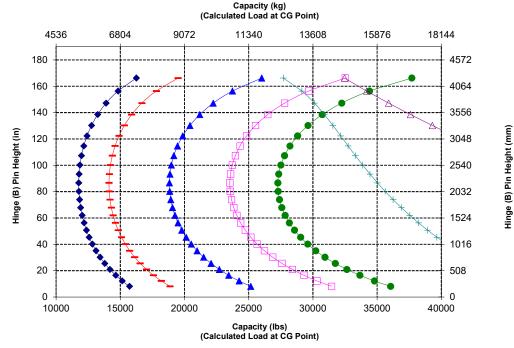


NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE\* J1197, ISO 14397-1, CEN\*\* EN 474-3.

The rated operating load for a loader equipped with a pallet fork is determined by: SAE J1197: 50% of full turn static tipping load or hydraulic limit. CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit. CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

\*SAE - Society of Automotive Engineers \*\*CEN - European Committee for Standardization

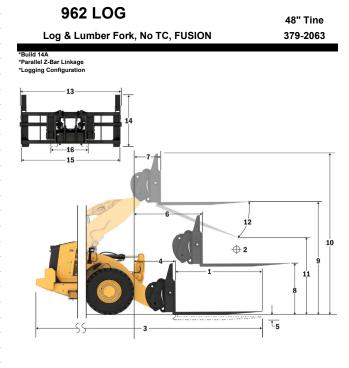




# **Fork Specifications**

#### **Fork Specifications**

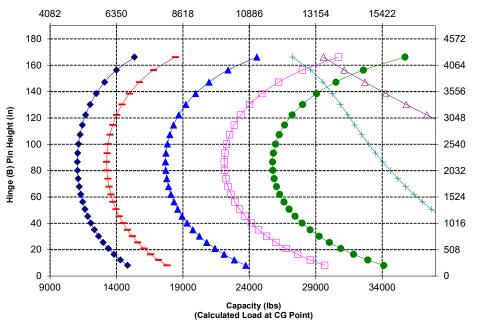
|    | ik opecilications   |           |                |
|----|---|-----------|----------------|
| 1  | Tine Length   | mm<br>in  | 1219<br>48.0   |
| 2  | Load Center   | mm        | 610            |
|    | Load Certier  | in        | 24.0           |
|    | Static Tipping Load - Straight (Forks Level)                    | kg        | 11676          |
|    |   | lbs<br>kg | 25734<br>10028 |
|    | Static Tipping Load - Articulated (Forks Level)                 | lbs       | 22101          |
|    | D-4-414 (0AE 14407 F09/ ETCTL)                                  | kg        | 5014           |
|    | Rated Load (SAE J1197 - 50% FTSTL)                              | lbs       | 11051          |
|    | Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)             | kg        | 6017           |
|    | Traited Edua (OEIT EIT 474 O'Rough Toham '00% T TOTE)           | lbs       | 13261          |
|    | Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)     | kq        | 8022           |
|    |   | lbs<br>mm | 17681<br>8941  |
| 3  | Maximum Overall Length  | in        | 352.0          |
|    | Reach with Forks at Ground Level                                | mm        | 1328           |
| 4  | Reach with Forks at Ground Level                                | in        | 52.3           |
| 5  | *Ground to Bottom of Tine at Minimum Height and Fork Level      | mm        | -83            |
|    | Ground to Bottom of Time at William Theight and Fork Level      | in        | -3.3           |
| 6  | Reach with Arms Horizontal and Forks Level                      | mm        | 1853           |
| _  |   | in        | 72.9<br>974    |
| 7  | Reach with Fork at Maximum Height                               | mm<br>in  | 38.3           |
| _  |   | mm        | 1847           |
| 8  | Ground to Top of Tine with Arms Horizontal and Fork Level       | in        | 72.7           |
| 9  | Ground to Top of Tine at Maximum Height and Fork Level          | mm        | 3999           |
|    | Ground to Top of Time at Maximum Fleight and Fork Level         | in        | 157.5          |
| 10 | Overall Height of Fork at Full Lift (top of carriage to ground) | mm        | 5537           |
|    | · · · · · · · · · · · · · · · · · · ·                           | in        | 218.0<br>2762  |
| 11 | Clearance at Full Lift and Max Dump                             | mm<br>in  | 108.7          |
|    | M D: 1 A 1 C 11 : 11  |           |                |
| 12 | Max Discharge Angle from Horizontal                             | deg       | 50             |
| 13 | Overall Carriage Width  | mm<br>in  | 2470<br>97.3   |
|    |   | mm        | 1603           |
| 14 | Overall Carriage Height   | in        | 63.1           |
| 45 | Outside Time \M(:) the (  | mm        | 2366           |
| 15 | Outside Tine Width (max spread)                                 | in        | 93.1           |
| 16 | Outside Tine Width (min spread)                                 | mm        | 1002           |
|    | Outside Time Trial (Timi oprodu)                                | in        | 39.4           |
|    | Tine Width (single tine)  | mm        | 180.0          |
|    | *   | in<br>mm  | 7.1<br>65.0    |
|    | Tine Thickness  | in        | 2.6            |
|    | Ti Oit-   | kg        | 10500          |
|    | Tine Capacity   | lbs       | 23142          |
|    | Operating Weight  | kg        | 20580          |
|    | Operating **eignt   | lbs       | 45358          |

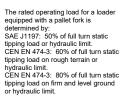


Hinge (B) Pin Height (mm)

\*Negative values indicate below grade

#### Capacity (kg) (Calculated Load at CG Point)





NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3 Tires, Air

Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

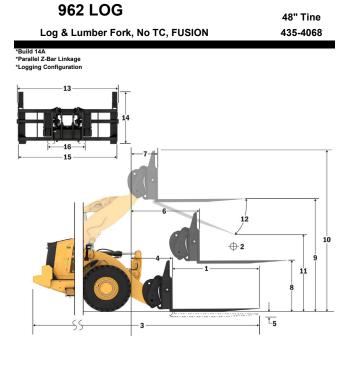
Specifications and ratings conform to the following standards: SAE\* J1197, ISO 14397-1, CEN\*\* EN 474-3.

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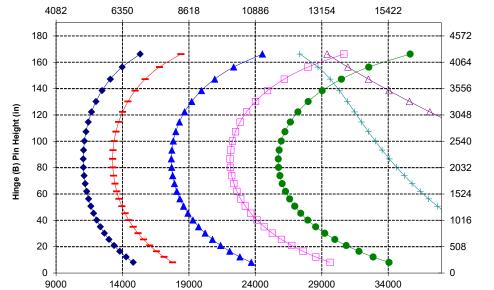
#### **Fork Specifications**

| -  |   |           |                |
|----|---|-----------|----------------|
| 1  | Tine Length   | mm<br>in  | 1219<br>48.0   |
| 2  | Load Center   | mm        | 610            |
|    | Load Genter   | in        | 24.0           |
|    | Static Tipping Load - Straight (Forks Level)                    | kg        | 11668          |
|    | 11 0 0 1 /  | lbs<br>kg | 25716<br>10023 |
|    | Static Tipping Load - Articulated (Forks Level)                 | lbs       | 22090          |
|    | D-4-414 (0AE 14407, F00/ FT0TL)                                 | kg        | 5011           |
|    | Rated Load (SAE J1197 - 50% FTSTL)                              | lbs       | 11045          |
|    | Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)             | kg        | 6014           |
|    |   | lbs       | 13254          |
|    | Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)     | ka<br>Ibs | 8018<br>17672  |
|    |   | mm        | 8948           |
| 3  | Maximum Overall Length  | in        | 352.3          |
| 4  | Reach with Forks at Ground Level                                | mm        | 1335           |
| -4 | Reach with Forks at Ground Level                                | in        | 52.5           |
| 5  | *Ground to Bottom of Tine at Minimum Height and Fork Level      | mm        | -83            |
|    | Croana to Bottom or time at miniman riolgit and rom 2010.       | in        | -3.3           |
| 6  | Reach with Arms Horizontal and Forks Level                      | mm<br>in  | 1859<br>73.2   |
| _  |   | mm        | 980            |
| 7  | Reach with Fork at Maximum Height                               | in        | 38.6           |
| 8  | Ground to Top of Tine with Arms Horizontal and Fork Level       | mm        | 1847           |
|    | Ground to Top of Time with Arms Horizontal and Fork Level       | in        | 72.7           |
| 9  | Ground to Top of Tine at Maximum Height and Fork Level          | mm        | 3999           |
| _  | · ' '   | in        | 157.5          |
| 10 | Overall Height of Fork at Full Lift (top of carriage to ground) | mm<br>in  | 5535<br>217.9  |
|    | 0   | mm        | 2757           |
| 11 | Clearance at Full Lift and Max Dump                             | in        | 108.6          |
| 12 | Max Discharge Angle from Horizontal                             | deg       | 50             |
|    | Wax Discharge / trigle from Florizontal                         |           |                |
| 13 | Overall Carriage Width  | mm        | 2176           |
| _  |   | in<br>mm  | 85.7<br>1601   |
| 14 | Overall Carriage Height   | in        | 63.0           |
| 45 | Outside Time Middle (seems and all)                             | mm        | 2084           |
| 15 | Outside Tine Width (max spread)                                 | in        | 82.0           |
| 16 | Outside Tine Width (min spread)                                 | mm        | 1002           |
|    | Outoide Tille Triadi (Illini Spread)                            | in        | 39.4           |
|    | Tine Width (single tine)  | mm<br>in  | 180.0<br>7.1   |
|    |   | mm        | 65.0           |
|    | Tine Thickness  | in        | 2.6            |
|    | Tine Canacity   | kg        | 10500          |
|    | Tine Capacity   | lbs       | 23142          |
|    | Operating Weight  | kg        | 20560          |
|    | Operating Weight  | lbs       | 45313          |
|    |   |           |                |



\*Negative values indicate below grade

#### Capacity (kg) (Calculated Load at CG Point)



Capacity (lbs) (Calculated Load at CG Point)

NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

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CEN EN 474-3: 80% of full turn static tipping load on rough terrain or hydraulic limit. tipping load on firm and level ground or hydraulic limit.

\*SAE - Society of Automotive



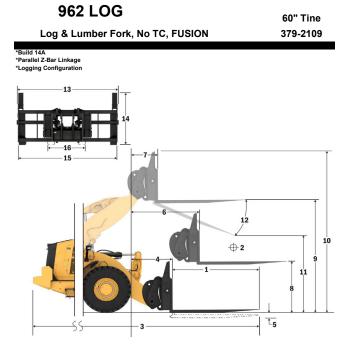


WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

# **Fork Specifications**

#### **Fork Specifications**

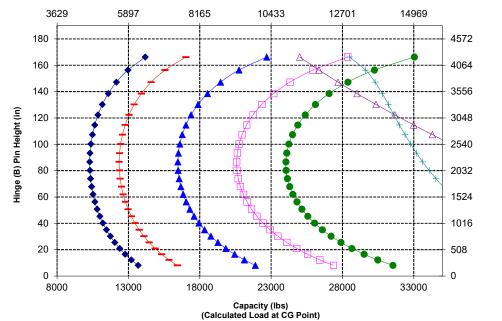
|    | nk opcomeditions  |           |               |
|----|---|-----------|---------------|
| 1  | Tine Length   | mm<br>in  | 1524<br>60.0  |
| _  | Load Center   | mm        | 762           |
| 2  | Load Center   | in        | 30.0          |
|    | Static Tipping Load - Straight (Forks Level)                    | kg        | 10902         |
|    | Otatio Tipping Load Ottaign (Fonto Lovo)                        | lbs       | 24028         |
|    | Static Tipping Load - Articulated (Forks Level)                 | kg        | 9338          |
| _  | · · · · · · · · · · · · · · · · · · ·                           | lbs<br>ka | 20581<br>4669 |
|    | Rated Load (SAE J1197 - 50% FTSTL)                              | lbs       | 10290         |
|    | D + 11  | kg        | 5603          |
|    | Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)             | lbs       | 12348         |
|    | Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)     | kg        | 7470          |
|    | Nated Load (CEN EN 474-3 Film and Level Glound - 60 % F131L)    | lbs       | 16465         |
| 3  | Maximum Overall Length  | mm        | 9294          |
| _  | Maximum Overali Eorigan   | in        | 365.9         |
| 4  | Reach with Forks at Ground Level                                | mm        | 1376          |
|    | <u> </u>  | in        | 54.2          |
| 5  | *Ground to Bottom of Tine at Minimum Height and Fork Level      | mm<br>in  | -83<br>-3.3   |
|    | <del>-</del>  | mm        | 1884          |
| 6  | Reach with Arms Horizontal and Forks Level                      | in        | 74.2          |
| _  | D 1 2 5 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1                       | mm        | 1005          |
| 7  | Reach with Fork at Maximum Height                               | in        | 39.6          |
| 8  | Ground to Top of Tine with Arms Horizontal and Fork Level       | mm        | 1872          |
| ۰  | Glound to Top of Title with Arms Horizontal and Fork Level      | in        | 73.7          |
| 9  | Ground to Top of Tine at Maximum Height and Fork Level          | mm        | 4024          |
| _  | Ordana to rop or time at maximum rioignt and ronk zever         | in        | 158.4         |
| 10 | Overall Height of Fork at Full Lift (top of carriage to ground) | mm        | 5537          |
| _  | - 5 (1 5 5 )  | in        | 218.0         |
| 11 | Clearance at Full Lift and Max Dump                             | mm<br>in  | 2505<br>98.6  |
| 40 | Man Diaghanna Angla from Harimontal                             |           |               |
| 12 | Max Discharge Angle from Horizontal                             | deg       | 50            |
| 13 | Overall Carriage Width  | mm        | 2470          |
|    |   | in<br>mm  | 97.3<br>1603  |
| 14 | Overall Carriage Height   | in        | 63.1          |
|    |   | mm        | 2366          |
| 15 | Outside Tine Width (max spread)                                 | in        | 93.1          |
| 40 | Outside Tine Width (min spread)                                 | mm        | 1002          |
| 10 | Outside Tine Width (Hill Spread)                                | in        | 39.4          |
|    | Tine Width (single tine)  | mm        | 180.0         |
|    |   | in        | 7.1           |
|    | Tine Thickness  | mm        | 90.0          |
|    |   | in        | 3.5           |
|    | Tine Capacity   | kg        | 15906         |
|    | • •   | lbs       | 35057         |
|    | Operating Weight  | kg        | 20781         |
|    |   | lbs       | 45801         |



Hinge (B) Pin Height (mm)

\*Negative values indicate below grade

#### Capacity (kg) (Calculated Load at CG Point)



NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE\* J1197, ISO 14397-1, CEN\*\* EN 474-3.

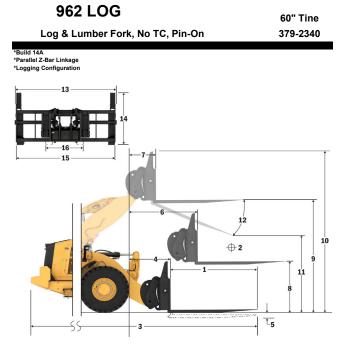
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\*SAE - Society of Automotive Engineers \*\*CEN - European Committee for Standardization



#### **Fork Specifications**

| 1         Time Length         mm bit for factors         1524 (in 60.0) (in 30.0) (in 30.0)           2         Load Center         mm 762 (in 30.0) (in   |
|--|
| 2   Load Center  |
| Static Tipping Load - Straight (Forks Level)   Kg   130.0  |
| Static Tripping Load - Statight (Forks Level)   Ibs   2544;  |
| Static Tipping Load - Articulated (Forks Level)   Red   September   Static Tipping Load - Articulated (Forks Level)   Red   September    |
| Rated Load (SAE J1197 - 50% FTSTL)   kg 4970   lbs 1095   lbs 10 |
| Rated Load (SAE J1197 - 50% FTSTL)   kg   4970   lbs   1095   1 |
| Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)   bis 1095-  |
| Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)   kg   5964   lbs   1314-4   Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   kg   7952   lbs   1752(   1552   lbs   1552(   |
| Rated Load (CEN EN 474-3 Rough Tentall - 00% FTSTL)   Ibs   1314   |
| 17524   3   Maximum Overall Length   Bis   17524   3   Maximum Overall Length   In   362.5   3   Maximum Overall Length   In   362.5 |
| 108   17-521   18-522   18-5 |
| A Reach with Forks at Ground Level   mm   1283   |
| Reach with Forks at Ground Level   mm   150.5  |
| 4 Reach With Forks at Ground Level in 50.5  5 "Ground to Bottom of Tine at Minimum Height and Fork Level in -3.3  6 Reach with Arms Horizontal and Forks Level in 7.9  7 Reach with Fork at Maximum Height in 50.1  8 Ground to Top of Tine with Arms Horizontal and Fork Level in 7.3  9 Ground to Top of Tine at Maximum Height and Fork Level in 40.2  9 Ground to Top of Tine at Maximum Height and Fork Level in 58.4  10 Overall Height of Fork at Full Lift (top of carriage to ground) mm 553.4  |
| 5 *Ground to Bottom of Tine at Minimum Height and Fork Level in -3.3 6 Reach with Arms Horizontal and Forks Level in 70.5 7 Reach with Fork at Maximum Height in 35.9 8 Ground to Top of Tine with Arms Horizontal and Fork Level in 1871 in 73.6 9 Ground to Top of Tine at Maximum Height and Fork Level in 40.22 in 158.4   |
| 6 Reach with Arms Horizontal and Forks Level   mm   1790   mm   911   mm   1871   mm   1872   mm   1873   mm   1874   mm   1 |
| 6         Reach with Arms Horizontal and Forks Level         mm / 1790 in 70.0 mg / 1790 mg / 1  |
| Reach with Fork at Maximum Height         in 70.5           7 Reach with Fork at Maximum Height         mm 911 in 35.9           8 Ground to Top of Tine with Arms Horizontal and Fork Level         mm 1871 in 73.6           9 Ground to Top of Tine at Maximum Height and Fork Level         mm 4022 in 758.4           10 Overall Height of Fork at Full Lift (top of carriage to ground)         mm 558.4   |
| 10   10   12   13   14   15   15   15   15   15   15   15  |
| 10   35.9  |
| 9 Ground to Top of Tine at Maximum Height and Fork Level in 73.6 in 158.4  10 Overall Height of Fork at Full Lift (top of carriage to ground) in 158.4   |
| 9 Ground to Top of Tine at Maximum Height and Fork Level in 158.4  10 Overall Height of Fork at Full Lift (top of carriage to ground) mm 558.4   |
| 9 Ground to Top of Tine at Maximum Height and Fork Level in 158.4  10 Overall Height of Fork at Full Lift (top of carriage to ground) mm 5533  |
| 10 Overall Height of Fork at Full Lift (top of carriage to ground) mm 5533   |
|  |
|  |
| mm 06F0  |
| 11 Clearance at Full Lift and Max Dump in 2032 in 204.4  |
| <b>12</b> Max Discharge Angle from Horizontal deg 46   |
| 13 Overall Carriage Width mm 2470 in 97.3  |
| mm 1601  |
| 14 Overall Carriage Height in 63.0   |
| 2266   |
| 15 Outside Tine Width (max spread) in 2300   |
| 16 Outside Tine Width (min spread) mm 1002   |
| \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \  |
| Tine Width (single tine) mm 180.0  |
| in 7.1   |
| Tine Thickness mm 90.0 in 3.5  |
| l 4500   |
| Tine Capacity Kg 1590t   |
| lea 2027   |
| Operating Weight Rg 20276  |



\*Negative values indicate below grade

#### Capacity (kg) (Calculated Load at CG Point)

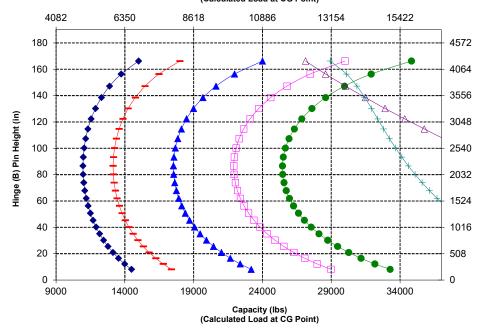


NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE\* J1197, ISO 14397-1, CEN\*\* EN 474-3.

The rated operating load for a loader equipped with a pallet fork is determined by: SAE J1197: 50% of full turn static tipping load or hydraulic limit. CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit. CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

\*SAE - Society of Automotive Engineers \*\*CEN - European Committee for Standardization



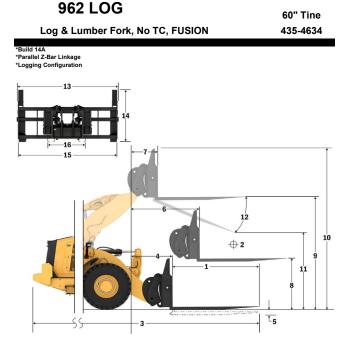


WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

# **Fork Specifications**

#### **Fork Specifications**

| Static Tipping Load - Straight (Forks Level)   bs   24013   kg   23413   kg   23451   kg   23451   kg   236572   kg   4667   kg   5600   | Interengen   |     | nk opecinications   |     |       |
|--|--|-----|---|-----|-------|
| 2 Load Center  | 2  | 1   | Tine Length   |     |       |
| Static Tipping Load - Straight (Forks Level)   Static Tipping Load - Articulated (SAE J1197 - 50% FTSTL)   Static Tipping Load - Articulated (SA | Static Tipping Load - Straight (Forks Level)   In   Sq   108   240   | _   |   |     |       |
| Static Tipping Load - Straight (Forks Level)   kg   40896   bs   24071   static Tipping Load - Articulated (Forks Level)   kg   9334   lbs   20577   static Tipping Load - Articulated (Forks Level)   kg   9334   lbs   20577   stated Load (SAE J1197 - 50% FTSTL)   kg   4668   stated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)   kg   4568   stated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   kg   7667   stated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   kg   7464   stated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   kg   7464   stated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   kg   7464   stated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   kg   7464   stated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   kg   7464   stated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   kg   7464   stated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   kg   7464   stated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   kg   7464   stated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   stated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   stated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   stated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   stated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   stated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   stated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   stated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   stated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   stated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   stated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   stated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   stated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   stated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   stated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   stated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   stated Load (CEN EN | Static Tipping Load - Straight (Forks Level)   kg   208   224     Static Tipping Load - Articulated (Forks Level)   kg   933   lbs   205     Rated Load (SAE J1197 - 50% FTSTL)   kg   466   lbs   102     Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)   kg   566   lbs   102     Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   kg   766   lbs   123     Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   kg   764   lbs   164     3 Maximum Overall Length   mm   925   lin   365     4 Reach with Forks at Ground Level   mm   131   lin   545     5 *Ground to Bottom of Tine at Minimum Height and Fork Level   mm   186   lin   73     6 Reach with Arms Horizontal and Forks Level   mm   106   lin   39     8 Ground to Top of Tine with Arms Horizontal and Fork Level   mm   106   lin   73     9 Ground to Top of Tine at Maximum Height and Fork Level   mm   156   lin   73     10 Overall Height of Fork at Full Lift (top of carriage to ground)   mm   55   lin   98     11 Clearance at Full Lift and Max Dump   mm   207   lin   98     12 Max Discharge Angle from Horizontal   deg   50   50     13 Overall Carriage Height   mm   160   lin   63   18     15 Outside Tine Width (max spread)   mm   106   lin   82   10   10   10   10   10   10   10   1   | 2   | Load Center   |     |       |
| Static Tipping Load - Articulated (Forks Level)   Static Tipping Load (SAE J1197 - 50% FTSTL)   Stated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)   Stated Load (CEN EN 474-3 Firm and Level Ground - 80% F | Static Tipping Load - Articulated (Forks Level)   Rage   Static Tipping Load   Rage   Static Tipping Load   Articulated   Static Tipping Load   Rage   Rage   Rage  |     | Static Tinning Load Straight (Forks Lovel)                      |     | 10895 |
| Static Tipping Load - Articulated (Forks Level)   bs   20577     Rated Load (SAE J1197 - 50% FTSTL)   kg   5600     Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)   kg   5600     Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   kg   7467     Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   kg   7467     State  | State   Ipping   Load - Articulated (Forks Level)   Ibs   205     Rated Load (SAE J1197 - 50% FTSTL)   Rig   566     Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)   Rig   566     Stated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Rig   746     Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Rig   746     Stated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Rig   746     Stated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Rig   746     Stated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Rig   746     Stated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Rig   747     Stated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Rig   747     Reach with Forks at Ground Level   mm   136     Stated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Rig   747     Stated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Rig   747     Stated Load (CEN EN 474-3 Firm and Level Ground Ground - 80% FTSTL)   Rig   747     Stated Load (CEN EN 474-3 Firm and Level Ground  |     | Static Tipping Load - Straight (Forks Level)                    | lbs | 24013 |
| Rated Load (SAE J1197 - 50% FTSTL)   | Rated Load (SAE J1197 - 50% FTSTL)   |     | Static Tipping Load - Articulated (Forks Level)                 | kg  | 9334  |
| Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)   Ibs   10286    | Rated Load (SEN EN 474-3 Rough Terrain - 60% FTSTL)   Ibs   102     Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)   Ids   123     Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Ibs   164     3   Maximum Overall Length   mm   925     1   8   8   744     1   8   8   744     3   Maximum Overall Length   mm   925     1   8   7   7     4   Reach with Forks at Ground Level   mm   137     5   *Ground to Bottom of Tine at Minimum Height and Fork Level   mm   186     6   Reach with Arms Horizontal and Forks Level   mm   186     7   Reach with Fork at Maximum Height   mm   104     8   Ground to Top of Tine with Arms Horizontal and Fork Level   mm   187     9   Ground to Top of Tine with Arms Horizontal and Fork Level   mm   187     10   Overall Height of Fork at Full Lift (top of carriage to ground)   mm   158     11   Clearance at Full Lift and Max Dump   mm   256     12   Max Discharge Angle from Horizontal   deg   50     13   Overall Carriage Width   mm   201     14   Overall Carriage Height   mm   160     15   Outside Tine Width (max spread)   mm   201     16   Outside Tine Width (min spread)   mm   201     17   Tine Width (single tine)   mm   188     18   300   300     19   30   300     10   30   300     11   12   30   300     12   30   300     30   30   300     31   32   300     32   300   300     33   300   300     34   35   350     35   35   350     36   36   36     37   38   36     38   38   38     39   30   30     30   30     31   32   30     32   33   30     33   34   35     34   35   35     35   36   36     36   36   36     37   37     38   37   38     39   30   30     30   30     30   30   30  |     | otatio ripping coad - 7 titodiated (1 onto cover)               |     | 20572 |
| Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)  | Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)   Rough   Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Rough   Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)   Rough   Ro |     | Rated Load (SAE J1197 - 50% FTSTL)                              |     |       |
| Rated Load (CEN EN 474-3 Floring First 1-00% FTSTL)   Ibs   12343  | Rated Load (CEN EN 474-3 Rough Terrain - 00% F151L)   Ibs   123  |     |   |     |       |
| Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)  | Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)         kq 744 bs 184         744 bs 184           3         Maximum Overall Length         mm 924 in 385           4         Reach with Forks at Ground Level         mm 135 in 54 in 54 in 54           5         "Ground to Bottom of Tine at Minimum Height and Fork Level         mm 48 in -3 in 74 in 74           6         Reach with Arms Horizontal and Forks Level         mm 188 in 74 in  |     | Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)             |     |       |
| 16436  | Box   164   174  | _   | · · · · · · · · · · · · · · · · · · ·                           |     |       |
| 3         Maximum Overall Length         mm 9294 in 365.9 (as 365.9)         4           4         Reach with Forks at Ground Level         mm 1376 in 54.2 (as 365.9)         5           5         "Ground to Bottom of Tine at Minimum Height and Fork Level         mm 7 3.3 (as 36.9)         mm 1005 (as 36.9)           6         Reach with Arms Horizontal and Forks Level         mm 1005 (as 36.9)         mm 1005 (as 36.9)           8         Ground to Top of Tine with Arms Horizontal and Fork Level         mm 1872 (as 76.9)         mm 1872 (as 76.9)           9         Ground to Top of Tine at Maximum Height and Fork Level         mm 4024 (as 76.9)         mm 5535 (as 76.9)           10         Overall Height of Fork at Full Lift (top of carriage to ground)         mm 5535 (as 76.9)         mm 2505 (as 76.9)           11         Clearance at Full Lift and Max Dump         mm 2505 (as 76.9)         mm 2505 (as 76.9)         mm 2505 (as 76.9)           12         Max Discharge Angle from Horizontal         deg 50         mm 2176 (as 76.9)         mm 21   | 3   Maximum Overall Length   mm   925   m   366     4   Reach with Forks at Ground Level   mm   137     5   "Ground to Bottom of Tine at Minimum Height and Fork Level   mm   138     6   Reach with Arms Horizontal and Forks Level   mm   138     7   Reach with Fork at Maximum Height   mm   108     8   Ground to Top of Tine with Arms Horizontal and Fork Level   mm   108     9   Ground to Top of Tine with Arms Horizontal and Fork Level   mm   161     10   Overall Height of Fork at Full Lift (top of carriage to ground)   mm   555     11   Clearance at Full Lift and Max Dump   mm   257     12   Max Discharge Angle from Horizontal   deg   50     13   Overall Carriage Width   mm   217     14   Overall Carriage Height   mm   164     15   Outside Tine Width (max spread)   mm   164     16   Outside Tine Width (min spread)   mm   167     17   Tine Width (single tine)   mm   168     18   Tine Capacity   lbs   300     19   South (single tine)   mm   30     10   South (single tine)   mm   30     11   Soutside Carriage to ground   mm   30     12   Max Discharge Angle from Horizontal   deg   50     18   South (single tine)   mm   106     19   Max Discharge Angle From Horizontal   mm   106     10   Outside Tine Width (min spread)   mm   106     10   Max Discharge Angle Tine Width (min spread)   mm   106     16   Outside Tine Width (min spread)   mm   106     17   Tine Thickness   mm   30     18   South (single tine)   mm   30     19   Max Discharge Angle Tine Width (single tine)   mm   30     10   Max Discharge Angle Tine Width (single tine)   mm   30     11   Max Discharge Angle Tine Width (single tine)   mm   30     12   Max Discharge Angle Tine Width (single tine)   mm   30     3   Max Discharge Angle Tine Width (single tine)   mm   30     3   Max Discharge Angle Tine Width (single tine)   mm   30     4   Max Discharge Angle Tine Width (single tine)   mm   30     5   Max Discharge Angle Tine Width (min spread)   mm   30     6   Max Discharge Angle Tine Width (min spread)   mm   30     7   Max Discharge Angle Tine Width (min |     | Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)     |     |       |
| 365.9  | Meaxmum Overall Length   | _   |   |     |       |
| 1  | 1  | 3   | Maximum Overall Length  |     | 365.9 |
| 5 *Ground to Bottom of Tine at Minimum Height and Fork Level   mm   -3.3   mm   -3.5   m | 5         "Ground to Bottom of Tine at Minimum Height and Fork Level         in 54 in -3 in  | 4   | Basels with Forks at Cround Lavel                               | mm  | 1376  |
| 1  | 6         Reach with Arms Horizontal and Forks Level         in mm         -3.           7         Reach with Fork at Maximum Height         mm         10.           8         Ground to Top of Tine with Arms Horizontal and Fork Level         mm         10.           9         Ground to Top of Tine at Maximum Height and Fork Level         mm         40.           10         Overall Height of Fork at Full Lift (top of carriage to ground)         mm         55.           11         Clearance at Full Lift and Max Dump         mm         25.           12         Max Discharge Angle from Horizontal         deg         50.           13         Overall Carriage Width         mm         21.           14         Overall Carriage Height         mm         16.           15         Outside Tine Width (max spread)         mm         20.           16         Outside Tine Width (min spread)         mm         10.           Tine Width (single tine)         mm         10.         3.           Tine Thickness         mm         9.           Tine Capacity         lbs         30.   | 4   | Reach with Porks at Ground Level                                | in  | 54.2  |
| Reach with Arms Horizontal and Forks Level   mm   1-3.3 mm   1-3.5 mm   1-3 | Reach with Arms Horizontal and Forks Level   mm   18t     Reach with Fork at Maximum Height   mm   18t     Reach with Fork at Maximum Height   mm   10t     Reach with Fork at Maximum Height   mm   10t     Reach with Fork at Maximum Height and Fork Level   mm   10t     Ground to Top of Tine with Arms Horizontal and Fork Level   mm   40t     Ground to Top of Tine at Maximum Height and Fork Level   mm   55t     Ground to Top of Tine at Maximum Height and Fork Level   mm   55t     10t Overall Height of Fork at Full Lift (top of carriage to ground)   mm   55t     11t Clearance at Full Lift and Max Dump   mm   25t     12t Max Discharge Angle from Horizontal   deg   5t     13t Overall Carriage Width   mm   21t     14t Overall Carriage Height   mm   16t     15t Outside Tine Width (max spread)   mm   20t     16t Outside Tine Width (min spread)   mm   10t     17t Tine Width (single tine)   mm   10t     17t Tine Thickness   mm   35t     18t   350t     18t   350 | 5   | *Ground to Bottom of Tine at Minimum Height and Fork Level      | mm  |       |
| Reach with Fork at Maximum Height  | Reach with Fork at Maximum Height   mm   100   mm   101   mm   102   mm   103   mm   103   mm   104   mm   105   mm   1 |     | Cround to Bottom of Time at William Treignt and Tork Level      |     |       |
| 7         Reach with Fork at Maximum Height         mm 3005 in 396           8         Ground to Top of Tine with Arms Horizontal and Fork Level         mm 1872 mm 1872 mm 73.7           9         Ground to Top of Tine at Maximum Height and Fork Level         mm 402 mm 402 mm 158.4 mm 158.6 mm 15  | 7         Reach with Fork at Maximum Height         mm 100 in 39 in 39         100 strong of Tine with Arms Horizontal and Fork Level         mm 187 in 73 in 188 in 18  | 6   | Reach with Arms Horizontal and Forks Level                      |     |       |
| 39.6   Reach With Polis at Maximum Height   In   39.6   Reach With Polis at Maximum Height and Fork Level   In   73.7   Reach With Corp of Tine with Arms Horizontal and Fork Level   In   73.7   Reach With Corp of Tine at Maximum Height and Fork Level   In   1872   Reach With In   1853   In   1717   Reach With In   1853   Reach With In   1854   Reach With In   1857   Reach With In   1857   Reach With In   1857   Reach With In   1850   Reach  | 39   | _   | Trought Wall / Willow Hollzonial and Folio 2010                 |     |       |
| 8         Ground to Top of Tine with Arms Horizontal and Fork Level         mm / 37 m /  | 8         Ground to Top of Tine with Arms Horizontal and Fork Level         mm in 73 in 73         18 in 73           9         Ground to Top of Tine at Maximum Height and Fork Level         mm 402 in 158           10         Overall Height of Fork at Full Lift (top of carriage to ground)         mm 55 in 217           11         Clearance at Full Lift and Max Dump         mm 25 in 98           12         Max Discharge Angle from Horizontal         deg 5           13         Overall Carriage Width         mm 16 in 85           14         Overall Carriage Height         mm 16 in 63           15         Outside Tine Width (max spread)         mm 20 in 82           16         Outside Tine Width (min spread)         mm 10 in 39           Tine Width (single tine)         in 7.           Tine Thickness         in 9.           Tine Capacity         lbs 300  | 7   | Reach with Fork at Maximum Height                               |     |       |
| 9   Ground to Top of Tine With Arms Horizontal and Fork Level   in   73.7   mm   4024   in   158.4   for   158.4 | 9   Ground to Top of Time with Arms Horizontal and Fork Level   in   73   73   73   73   74   74   74   74   |     |   |     |       |
| 9         Ground to Top of Tine at Maximum Height and Fork Level         mm 4024 in 158.4 (in 158.4 (in 217.9 mm)           10         Overall Height of Fork at Full Lift (top of carriage to ground)         mm 5535 in 217.9 mm           11         Clearance at Full Lift and Max Dump         mm 200.2 mm           12         Max Discharge Angle from Horizontal         deg 50           13         Overall Carriage Width         mm 25.7 mm           14         Overall Carriage Height         mm 60.1 in 63.1 in 85.7 mm           15         Outside Tine Width (max spread)         mm 2084 in 82.0 in 180.0 in 7.1 mm           16         Outside Tine Width (min spread)         mm 100.2 in 3.9 in 3.5 mm           Tine Width (single tine)         mm 180.0 in 7.1 mm           Tine Thickness         mm 90.0 in 3.5 mm           Tine Capacity         kg 1599   | 9         Ground to Top of Tine at Maximum Height and Fork Level         mm         40.5           10         Overall Height of Fork at Full Lift (top of carriage to ground)         mm         55.           11         Clearance at Full Lift and Max Dump         mm         25.           12         Max Discharge Angle from Horizontal         deg         50.           13         Overall Carriage Width         mm         21.           14         Overall Carriage Height         mm         16.           15         Outside Tine Width (max spread)         mm         20.           16         Outside Tine Width (min spread)         mm         10.           Tine Width (single tine)         mm         10.           Tine Thickness         mm         9.           Tine Capacity         lbs         350           Ibs         350  | 8   | Ground to Top of Tine with Arms Horizontal and Fork Level       |     |       |
| 158.4  | 158   158   159  | _   |   |     |       |
| 10   Overall Height of Fork at Full Lift (top of carriage to ground)   mm   5535   5217.9   11   Clearance at Full Lift and Max Dump   mm   2505   98.6   12   Max Discharge Angle from Horizontal   deg   50   13   Overall Carriage Width   mm   2176   in   85.7   mm   1601   in   63.0   14   Overall Carriage Height   mm   2084   in   82.6   15   Outside Tine Width (max spread)   mm   2084   in   82.6   16   Outside Tine Width (min spread)   mm   1002   in   3.5   16   17   17   17   17   17   17   17  | 10         Overall Height of Fork at Full Lift (top of carriage to ground)         mm 555 in 211           11         Clearance at Full Lift and Max Dump         mm 256 in 211           12         Max Discharge Angle from Horizontal         deg 50           13         Overall Carriage Width         mm 21 in 85           14         Overall Carriage Height         mm 160 in 63 in 63           15         Outside Tine Width (max spread)         mm 200 in 82           16         Outside Tine Width (min spread)         mm 100 in 39           Tine Width (single tine)         mm 180 in 7.           Tine Thickness         in 7.           Tine Capacity         lbs 350   | 9   | Ground to Top of Tine at Maximum Height and Fork Level          |     |       |
| 11   Clearance at Full Lift and Max Dump   mm   2050 in   98.6     12   Max Discharge Angle from Horizontal   deg   50     13   Overall Carriage Width   mm   2176   in   82.7     14   Overall Carriage Height   mm   1601   in   63.0     15   Outside Tine Width (max spread)   mm   2084   in   82.0     16   Outside Tine Width (min spread)   mm   1002   in   39.4     17   Tine Width (single tine)   mm   180.0   in   180.0     18   Tine Thickness   mm   9.0   in   3.5     19   Tine Capacity   fig.   Tine Capacity   fig.   13.5     10   Verall Carriage Width (min spread)   mm   180.0   in   3.5     17   Tine Capacity   fig.   7.1    | 11   Clearance at Full Lift and Max Dump   mm   25   |     | 0 1111111111111111111111111111111111111                         |     |       |
| 12 Max Discharge Angle from Horizontal   deg   50   13   Overall Carriage Width   mm   2176   14   Overall Carriage Height   mm   63.0   15   Outside Tine Width (max spread)   mm   2084   in   82.0   16   Outside Tine Width (min spread)   mm   1002   in   39.4   Tine Width (single tine)   mm   180.0   in   7.1   Tine Thickness   mm   9.0   in   35.5   Tine Capacity   8.6   15.50  | 12   Max Discharge Angle from Horizontal   deg   50     13   Overall Carriage Width   mm   217   m   85     14   Overall Carriage Height   mm   166   m   63     15   Outside Tine Width (max spread)   mm   200   m   82     16   Outside Tine Width (min spread)   mm   100   m   82     17   Tine Width (single tine)   mm   100   m   100     18   Tine Thickness   mm   98     19   Tine Capacity   18   350     10   September 1   18   350     10   September 2   18   350     11   September 2   18   350     12   September 2   18   350     13   September 2   18   350     14   September 2   18   350     15   September 2   18   350     16   September 2   18   350     17   September 2   18   350     18   September 2   18   350     15   September 2   18   350     16   September 2   18   350     17   September 2   18   350     18   S | 10  | Overall Height of Fork at Full Lift (top of carriage to ground) | in  | 217.9 |
| 12 Max Discharge Angle from Horizontal   deg   50     13 Overall Carriage Width   mm   2176     14 Overall Carriage Height   mm   1601     15 Outside Tine Width (max spread)   mm   2084     16 Outside Tine Width (min spread)   mm   1002     17 Ine Width (single tine)   mm   180.0     18 Tine Thickness   mm   90.0     19 Tine Capacity   58.0     10 Section   18 Sect | 12         Max Discharge Angle from Horizontal         deg         50           13         Overall Carriage Width         mm         21           14         Overall Carriage Height         mm         160           15         Outside Tine Width (max spread)         mm         200           16         Outside Tine Width (min spread)         mm         100           Tine Width (single tine)         mm         180           Tine Thickness         mm         90           Tine Capacity         lbs         350           Iss         350           Iss         350   | 11  | Clearance at Full Lift and Max Dump                             | mm  | 2505  |
| 13   Overall Carriage Width   mm   2176   in   85.7     14   Overall Carriage Height   in   63.0   in   63.0     15   Outside Tine Width (max spread)   mm   2084   in   82.0     16   Outside Tine Width (min spread)   mm   1002   in   39.4     17   Tine Width (single tine)   mm   180.0   in   71.0     18   Tine Thickness   mm   90.0   in   3.5     19   Tine Canacity   fig.   15900   | 13   Overall Carriage Width   mm   217   in   85     14   Overall Carriage Height   mm   106   in   63     15   Outside Tine Width (max spread)   mm   200   in   82     16   Outside Tine Width (min spread)   mm   100   in   39     Tine Width (single tine)   mm   180   in   7.     Tine Thickness   mm   90   in   3.9     Tine Capacity   lbs   350   lbs | ••• | Clearance at 1 dil Elit and Max Bump                            | in  | 98.6  |
| 14 Overall Carriage Width   in   85.7  | 14   Overall Carriage Width   nm   85     14   Overall Carriage Height   nm   16(  | 12  | Max Discharge Angle from Horizontal                             | deg | 50    |
| 14 Overall Carriage Height         mm (501) in 63.0         1601 in 63.0           15 Outside Tine Width (max spread)         mm (82.0) in 82.0           16 Outside Tine Width (min spread)         mm (80.0) in 39.4           Tine Width (single tine)         mm (80.0) in 7.1           Tine Thickness         mm (90.0) in 3.5           Tine Canacity         kg (1590)   | 14         Overall Carriage Height         mm in 63 in 7.           16         Outside Tine Width (min spread)         mm 180 in 7.           Tine Width (single tine)         mm 90 in 7.           Tine Thickness         in 3.           Tine Capacity         lbs 350 in 60  | 13  | Overall Carriage Width  |     |       |
| 15 Outside Tine Width (max spread)   m   63.0     16 Outside Tine Width (min spread)   mm   1002     16 Outside Tine Width (min spread)   mm   180.0     Tine Width (single tine)   mm   180.0     Tine Thickness   mm   99.0     Tine Canacity   1590   | 14 Overall carriage rieight   in 63   mm   208   mm   208   mm   208   mm   208   mm   208   mm   208   mm   100   mm   100   mm   100   mm   100   mm   100   mm   180   mm   |     |   |     |       |
| 15 Outside Tine Width (max spread)         mm 2084 in 820 mg           16 Outside Tine Width (min spread)         mm 1002 mg           Tine Width (single tine)         mm 180.0 mg           Tine Thickness         mm 90.7 mg           Tine Capacity         kg 1595  | 15         Outside Tine Width (max spread)         mm in 82 i  | 14  | Overall Carriage Height   |     |       |
| 16 Outside Tine Width (min spread)   in   82.0   | 16 Outside Tine Width (min spread)   n   82   16 Outside Tine Width (min spread)   mm   100    |     | O LILT MONTO  |     |       |
| Tine Width (single tine)   | Tine Width (single tine)   | 15  | Outside Tine Width (max spread)                                 |     |       |
| Tine Width (single tine)  Tine Thickness  Tine Capacity  | Tine Width (single tine)   mm   18t   18 | 16  | Outside Tine Width (min spread)                                 | mm  | 1002  |
| Inite Violati (single une)   | Inite Voluti (single une)   in   7.  | 10  | Outside Tille Width (Illin Spread)                              | in  | 39.4  |
| Tine Thickness mm 90.0  Tine Canacity kg 15906   | In   7.  |     | Tine Width (single tine)  |     | 180.0 |
| Tine Capacity         in         3.5           Tine Capacity         kg         15906  | Ine Inickness         in         3.           Tine Capacity         lbs         350           Ibs         350         200  |     | (   |     |       |
| Tine Capacity kg 15906   | In   3.1<br>  Tine Capacity   Ibs   350<br>  Ibs   272   |     | Tine Thickness  |     |       |
|  | lbs 350  |     |   |     |       |
| IDS 35057  | IDS 350  |     | Tine Capacity   |     |       |
| ka 20764   | Operating Weight Kg 207  |     | <u> </u>  |     | 20761 |
|  | Operating Weight lbs 457   |     | Operating Weight  |     | 45756 |



Hinge (B) Pin Height (mm)

\*Negative values indicate below grade

NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3 Tires, Air

Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

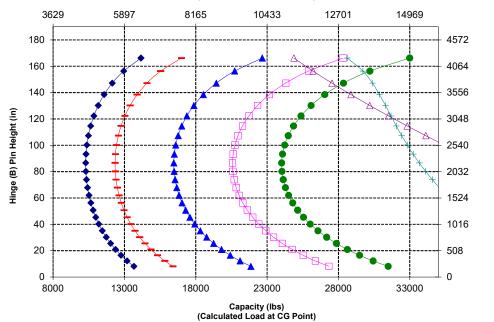
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CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.
CEN EN 474-3: 80% of full turn static tipping load on rough terrain or hydraulic limit.

tipping load on firm and level ground or hydraulic limit.

\*SAE - Society of Automotive Engineers \*\*CEN - European Committee for Standardization

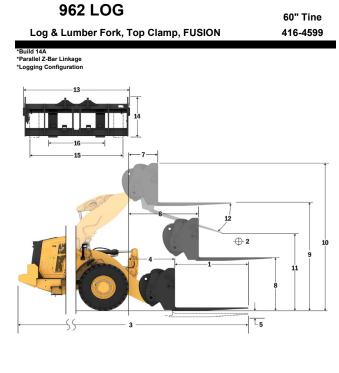
#### Capacity (kg) (Calculated Load at CG Point)





#### **Fork Specifications**

|     | •   |           |               |
|-----|---|-----------|---------------|
| 1   | Tine Length   | mm<br>in  | 1524<br>60.0  |
| 2   | Load Center   | mm        | 762           |
| _   | Load Certier  | in        | 30.0          |
|     | Static Tipping Load - Straight (Forks Level)                    | kg        | 10735         |
|     | otatio ripping coda otraigin (i onto corol)                     | lbs       | 23659         |
|     | Static Tipping Load - Articulated (Forks Level)                 | kg        | 9194          |
| _   | , ,   | lbs       | 20263         |
|     | Rated Load (SAE J1197 - 50% FTSTL)                              | kg<br>Ibs | 4597<br>10132 |
|     |   | kg        | 5516          |
|     | Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)             | lbs       | 12158         |
|     |   | ka        | 7355          |
|     | Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)     | lbs       | 16211         |
| _   |   | mm        | 9309          |
| 3   | Maximum Overall Length  | in        | 366.5         |
| 4   | Reach with Forks at Ground Level                                | mm        | 1391          |
| 4   | Reach with Forks at Ground Level                                | in        | 54.8          |
| 5   | *Ground to Bottom of Tine at Minimum Height and Fork Level      | mm        | -72           |
| 9   | Glound to Bottom of Time at William Height and Fork Level       | in        | -2.8          |
| 6   | Reach with Arms Horizontal and Forks Level                      | mm        | 1924          |
| _   | Trought Will 7 time Fronzontal and Forto Edver                  | in        | 75.7          |
| 7   | Reach with Fork at Maximum Height                               | mm        | 1045          |
|     |   | in        | 41.2          |
| 8   | Ground to Top of Tine with Arms Horizontal and Fork Level       | mm        | 1857          |
|     | <u>'</u>  | in        | 73.1<br>4009  |
| 9   | Ground to Top of Tine at Maximum Height and Fork Level          | mm<br>in  |               |
|     | <u> </u>  | mm        | 157.8<br>5523 |
| 10  | Overall Height of Fork at Full Lift (top of carriage to ground) | in        | 217.5         |
|     |   | mm        | 2611          |
| 11  | Clearance at Full Lift and Max Dump                             | in        | 102.8         |
|     | M D: 1 A 1 C 11 : 11  |           |               |
| 12  | Max Discharge Angle from Horizontal                             | deg       | 44            |
| 12  | Overall Carriage Width  | mm        | 2537          |
| 13  | Overall Carriage Width  | in        | 99.9          |
| 14  | Overall Carriage Height   | mm        | 1578          |
| • • | Overall Carriage Freight  | in        | 62.1          |
| 15  | Outside Tine Width (max spread)                                 | mm        | 2339          |
|     | <del></del>   | in        | 92.1          |
| 16  | Outside Tine Width (min spread)                                 | mm        | 742           |
|     |   | in        | 29.2          |
|     | Tine Width (single tine)  | mm<br>in  | 203.2<br>8.0  |
|     |   | mm        | 63.5          |
|     | Tine Thickness  |           | 2.5           |
|     |   |           |               |
|     |   | in<br>ka  |               |
|     | Tine Capacity   | kg        | 7170          |
|     | Tine Capacity Operating Weight                                  |           |               |



\*Negative values indicate below grade

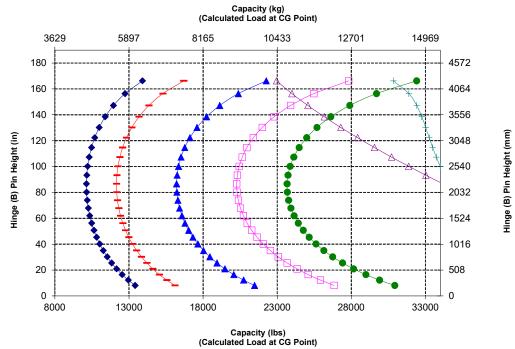


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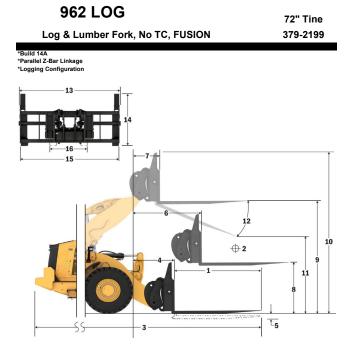




# **Fork Specifications**

#### **Fork Specifications**

| n 1829<br>ı 72.0  |
|-------------------|
|                   |
| n 915             |
| 36.0              |
| 1038              |
| s 2287<br>a 8881  |
| s 1957            |
| 4441              |
| s 9787            |
| 5329              |
| s 1174            |
| 7105              |
| s 1565            |
| n 9599<br>ı 377.9 |
| n 1376            |
| 54.2              |
| n -83             |
| -3.3              |
| n 1884            |
| 74.2              |
| n 1005            |
| 39.6              |
| n 1872<br>ı 73.7  |
| n 4024            |
| 158.4             |
| n 5537            |
| 218.0             |
| n 2272            |
| 89.5              |
| g 50              |
| n 2470            |
| 97.3              |
| n 1603            |
| n 63.1            |
| 93.1              |
| n 1002            |
| 39.4              |
| n 180.0           |
| 7.1               |
| n 90.0            |
| 3.5               |
| 1260              |
| s 2777<br>a 2084  |
| g 2084<br>s 4593  |
|                   |



Hinge (B) Pin Height (mm)

\*Negative values indicate below grade

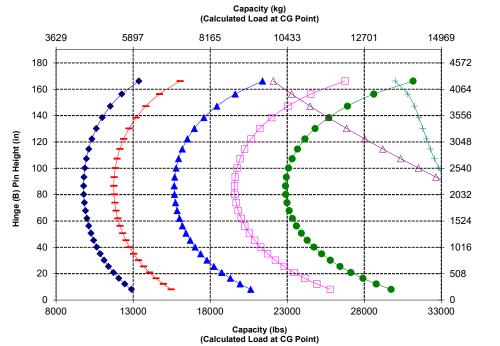


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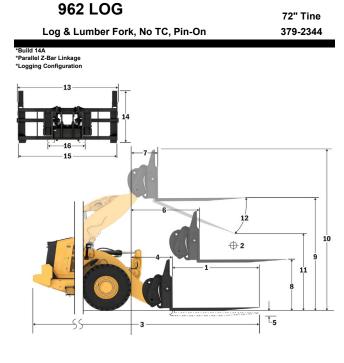
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#### **Fork Specifications**

| 1  | Tine Length   | mm<br>in  | 1829<br>72.0  |
|----|---|-----------|---------------|
| 2  | Load Center   | mm        | 915           |
|    | Load Center   | in        | 36.0          |
|    | Static Tipping Load - Straight (Forks Level)                    | kg        | 10983         |
|    | 11 0 0 0  | lbs<br>kg | 24207<br>9448 |
|    | Static Tipping Load - Articulated (Forks Level)                 | lbs       | 20824         |
|    | D   | kg        | 4724          |
|    | Rated Load (SAE J1197 - 50% FTSTL)                              | lbs       | 10412         |
|    | Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)             | kg        | 5669          |
|    | Traited Estate (SETT ETT TO Trought Tomain SO 70 T TO TE)       | lbs       | 12494         |
|    | Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)     | kq        | 7558          |
| _  |   | lbs<br>mm | 16659<br>9506 |
| 3  | Maximum Overall Length  | in        | 374.2         |
| 4  | Reach with Forks at Ground Level                                | mm        | 1283          |
| *  | Reacti with Forks at Glound Level                               | in        | 50.5          |
| 5  | *Ground to Bottom of Tine at Minimum Height and Fork Level      | mm        | -84           |
|    | g   | in        | -3.3          |
| 6  | Reach with Arms Horizontal and Forks Level                      | mm<br>in  | 1789<br>70.5  |
| _  |   | mm        | 911           |
| 7  | Reach with Fork at Maximum Height                               | in        | 35.9          |
| 8  | Ground to Top of Tine with Arms Horizontal and Fork Level       | mm        | 1871          |
| ٠  | Ground to Top of Time with Arms Horizontal and Fork Level       | in        | 73.6          |
| 9  | Ground to Top of Tine at Maximum Height and Fork Level          | mm        | 4022          |
|    |   | in<br>mm  | 158.4<br>5533 |
| 10 | Overall Height of Fork at Full Lift (top of carriage to ground) | in        | 217.8         |
| 44 | Clearance at Full Lift and May Dumn                             | mm        | 2434          |
| 11 | Clearance at Full Lift and Max Dump                             | in        | 95.8          |
| 12 | Max Discharge Angle from Horizontal                             | deg       | 46            |
|    |   |           |               |
| 13 | Overall Carriage Width  | mm<br>in  | 2470<br>97.3  |
|    |   | mm        | 1601          |
| 14 | Overall Carriage Height   | in        | 63.0          |
| 15 | Outside Tine Width (max spread)                                 | mm        | 2366          |
| 15 | Outside Tifle Width (max spread)                                | in        | 93.1          |
| 16 | Outside Tine Width (min spread)                                 | mm        | 1002          |
|    |   | in        | 39.4          |
|    | Tine Width (single tine)  | mm<br>in  | 180.0<br>7.1  |
|    | T 7:1   | mm        | 90.0          |
|    | Tine Thickness  | in        | 3.5           |
|    | Tine Capacity   | kg        | 12600         |
|    | Tino Oupdoity   | lbs       | 27770         |
|    | Operating Weight  | kg        | 20340         |
|    |   | lbs       | 44829         |



\*Negative values indicate below grade

NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3 Tires, Air

Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

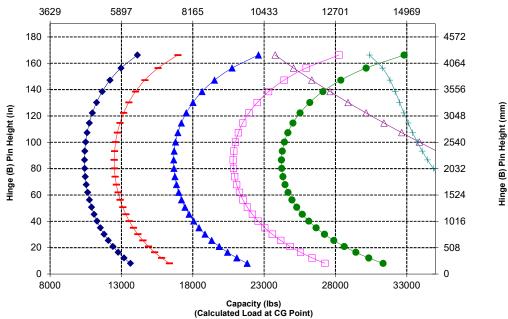
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tipping load on firm and level ground or hydraulic limit.

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#### Capacity (kg) (Calculated Load at CG Point)

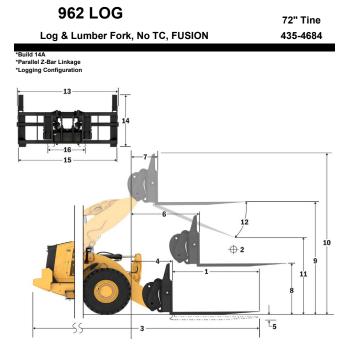




# **Fork Specifications**

#### **Fork Specifications**

|    | ik opecilications   |           |               |
|----|---|-----------|---------------|
| 1  | Tine Length   | mm<br>in  | 1829<br>72.0  |
| 2  | Load Center   | mm        | 915           |
|    | Otatic Time in a Local Cheminha (Forder Level)                  | in<br>kg  | 36.0<br>10374 |
|    | Static Tipping Load - Straight (Forks Level)                    | lbs       | 22865         |
|    | Static Tipping Load - Articulated (Forks Level)                 | kg        | 8878          |
|    | Static Tipping Load - Articulated (Forks Level)                 | lbs       | 19568         |
|    | Rated Load (SAE J1197 - 50% FTSTL)                              | kg        | 4439          |
|    |   | lbs       | 9784          |
|    | Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)             | kg        | 5327          |
|    | <u> </u>  | lbs<br>ka | 7103          |
|    | Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)     | lbs       | 15654         |
|    |   | mm        | 9599          |
| 3  | Maximum Overall Length  | in        | 377.9         |
| -  | Reach with Forks at Ground Level                                | mm        | 1376          |
| 4  | Reach with Forks at Ground Level                                | in        | 54.2          |
| -  | *Cround to Pottom of Tine at Minimum Height and Fork Lavel      | mm        | -83           |
| 5  | *Ground to Bottom of Tine at Minimum Height and Fork Level      | in        | -3.3          |
| 6  | Reach with Arms Horizontal and Forks Level                      | mm        | 1884          |
| •  | Reach with Annis Honzontal and Porks Level                      | in        | 74.2          |
| 7  | Reach with Fork at Maximum Height                               | mm        | 1005          |
|    | Trodori War i Ork at Maximum Floight                            | in        | 39.6          |
| 8  | Ground to Top of Tine with Arms Horizontal and Fork Level       | mm        | 1872          |
|    | Ordana to Top of Timo Mari Timo Fronzoniai and Fork 2010        | in        | 73.7          |
| 9  | Ground to Top of Tine at Maximum Height and Fork Level          | mm        | 4024          |
|    | <u> </u>  | in        | 158.4         |
| 10 | Overall Height of Fork at Full Lift (top of carriage to ground) | mm        | 5535<br>217.9 |
|    |   | in<br>mm  | 2272          |
| 11 | Clearance at Full Lift and Max Dump                             | in        | 89.5          |
|    |   |           |               |
| 12 | Max Discharge Angle from Horizontal                             | deg       | 50            |
| 13 | Overall Carriage Width  | ḿш        | 2176          |
| _  |   | in        | 85.7          |
| 14 | Overall Carriage Height   | mm        | 1601          |
|    | <u> </u>  | in<br>mm  | 63.0<br>2084  |
| 15 | Outside Tine Width (max spread)                                 | in        | 82.0          |
|    |   | mm        | 1002          |
| 16 | Outside Tine Width (min spread)                                 | in        | 39.4          |
|    | T 140 HI / 1 I C 1  | mm        | 180.0         |
|    | Tine Width (single tine)  | in        | 7.1           |
|    | Tine Thickness  | mm        | 90.0          |
|    | Title Thickness   | in        | 3.5           |
|    | Tine Capacity   | kg        | 12600         |
|    | тие Сараску   | lbs       | 27770         |
|    | Operating Weight  | kg        | 20823         |
|    | Operating Proignt   | lbs       | 45893         |



Hinge (B) Pin Height (mm)

\*Negative values indicate below grade

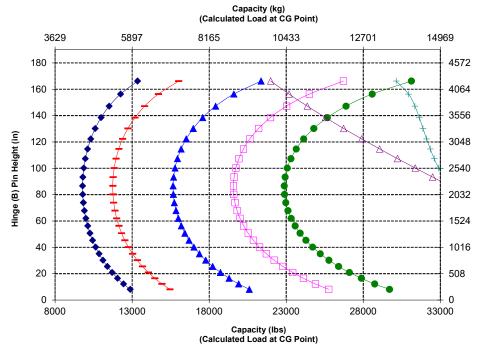


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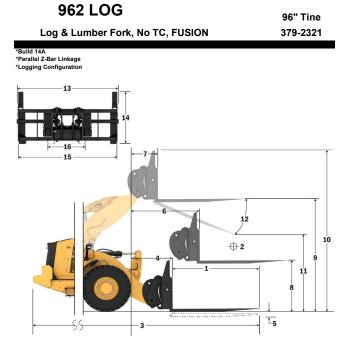
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#### **Fork Specifications**

| •        |   |                |                      |
|----------|---|----------------|----------------------|
| 1        | Tine Length   | mm<br>in       | 2438<br>96.0         |
| _        | Load Center   | mm             | 1219                 |
| 2        | Load Center   | in             | 48.0                 |
|          | Static Tipping Load - Straight (Forks Level)                    | kg             | 9440                 |
|          | ciate ripping 25aa - ciatigm (r onto 2576)                      | lbs            | 20806                |
|          | Static Tipping Load - Articulated (Forks Level)                 | kg             | 8058                 |
| _        | · · · · · · · · · · · · · · · · · · ·                           | lbs<br>kg      | 17759<br>4029        |
|          | Rated Load (SAE J1197 - 50% FTSTL)                              | lbs            | 8880                 |
|          | Detect Lend (OFN EN 474 & Develop Terreiro COO/ FTOTI )         | kg             | 4835                 |
|          | Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)             | lbs            | 10656                |
|          | Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)     | kg             | 6446                 |
|          | Trace Load (OLIV LIV 474 OT IIIII and Level Ground Good Trotz)  | lbs            | 14208                |
| 3        | Maximum Overall Length  | mm             | 10208                |
| _        |   | in             | 401.9                |
| 4        | Reach with Forks at Ground Level                                | mm             | 1376<br>54.2         |
|          |   | in<br>mm       | -83                  |
| 5        | *Ground to Bottom of Tine at Minimum Height and Fork Level      | in             | -3.3                 |
| _        | B 1 21 A 11 1 1 1 1 1 1 1                                       | mm             | 1884                 |
| 6        | Reach with Arms Horizontal and Forks Level                      | in             | 74.2                 |
| 7        | Reach with Fork at Maximum Height                               | mm             | 1005                 |
| <u>'</u> | Treach with Fork at Maximum Fleight                             | in             | 39.6                 |
| 8        | Ground to Top of Tine with Arms Horizontal and Fork Level       | mm             | 1872                 |
| _        |   | in             | 73.7                 |
| 9        | Ground to Top of Tine at Maximum Height and Fork Level          | mm             | 4024                 |
|          | <u> </u>  | in<br>mm       | 158.4<br>5537        |
| 10       | Overall Height of Fork at Full Lift (top of carriage to ground) | in             | 218.0                |
|          | Oleman at Full Life and Man Down                                | mm             | 1806                 |
| 11       | Clearance at Full Lift and Max Dump                             | in             | 71.1                 |
| 12       | Max Discharge Angle from Horizontal                             | deg            | 50                   |
|          | INAX Discharge Angle Irom Horizontal                            |                |                      |
| 13       | Overall Carriage Width  | mm             | 2470                 |
|          |   | in             | 97.3<br>1603         |
| 14       | Overall Carriage Height   | mm<br>in       | 63.1                 |
|          |   | mm             | 2366                 |
| 15       | Outside Tine Width (max spread)                                 | in             | 93.1                 |
| 40       | Outside Time (Middle (main annual)                              | mm             | 1002                 |
| 16       | Outside Tine Width (min spread)                                 | in             | 39.4                 |
|          | Tine Width (single tine)  | mm             | 180.0                |
|          |   | in             | 7.1                  |
|          |   |                |                      |
|          | Tine Thickness  | mm             | 90.0                 |
|          |   | mm<br>in       | 90.0<br>3.5          |
|          |   | mm<br>in<br>kg | 90.0<br>3.5<br>10100 |
|          | Tine Thickness  | mm<br>in       | 90.0<br>3.5          |



\*Negative values indicate below grade

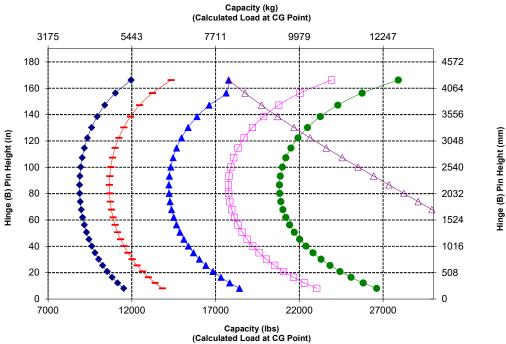


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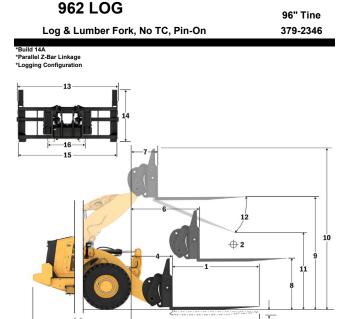




# **Fork Specifications**

#### **Fork Specifications**

| 1   | Tine Length   | mm<br>in  | 2438<br>96.0   |
|-----|---|-----------|----------------|
| 2   | Load Center   | mm        | 1219           |
|     | Edda Genter   | in        | 48.0           |
|     | Static Tipping Load - Straight (Forks Level)                    | kg        | 9978           |
|     | ··· · · · · · · · · · · · · · · · · ·                           | lbs<br>kg | 21992<br>8565  |
|     | Static Tipping Load - Articulated (Forks Level)                 | lbs       | 18877          |
|     | D   | kg        | 4282           |
|     | Rated Load (SAE J1197 - 50% FTSTL)                              | lbs       | 9438           |
|     | Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)             | kg        | 5139           |
|     | Trated Load (OLIV LIV 474-3 Rough Terrain - 00 % 1 101L)        | lbs       | 11326          |
|     | Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)     | kq        | 6852           |
|     | (   | lbs       | 15101          |
| 3   | Maximum Overall Length  | mm<br>in  | 10116<br>398.2 |
|     |   | mm        | 1284           |
| 4   | Reach with Forks at Ground Level                                | in        | 50.5           |
| -   | *Consider Bottom of Time of Minimum Height and Fode Lovel       | mm        | -84            |
| 5   | *Ground to Bottom of Tine at Minimum Height and Fork Level      | in        | -3.3           |
| 6   | Reach with Arms Horizontal and Forks Level                      | mm        | 1790           |
|     | Treach with Annis Honzontal and Forks Level                     | in        | 70.5           |
| 7   | Reach with Fork at Maximum Height                               | mm        | 911            |
|     | <u> </u>  | in        | 35.9           |
| 8   | Ground to Top of Tine with Arms Horizontal and Fork Level       | mm<br>in  | 1871<br>73.6   |
|     |   | mm        | 4022           |
| 9   | Ground to Top of Tine at Maximum Height and Fork Level          | in        | 158.4          |
|     | 0 1111111111111111111111111111111111111                         | mm        | 5533           |
| 10  | Overall Height of Fork at Full Lift (top of carriage to ground) | in        | 217.8          |
| 11  | Clearance at Full Lift and Max Dump                             | mm        | 1997           |
| ••• | Oldaranoc at Fair Ent and Max Bump                              | in        | 78.6           |
| 12  | Max Discharge Angle from Horizontal                             | deg       | 46             |
| 13  | Overall Carriage Width  | mm<br>in  | 2470<br>97.3   |
|     |   | mm        | 1601           |
| 14  | Overall Carriage Height   | in        | 63.0           |
| 45  | O. 4-i-l- Ti \M(:-141- (  | mm        | 2366           |
| 15  | Outside Tine Width (max spread)                                 | in        | 93.1           |
| 16  | Outside Tine Width (min spread)                                 | mm        | 1002           |
|     | Outside Title Width (Hill Spread)                               | in        | 39.4           |
|     | Tine Width (single tine)  | mm        | 180.0          |
|     | , ,   | in        | 7.1            |
|     | Tine Thickness  | mm<br>in  | 90.0<br>3.5    |
|     |   | kg        | 10100          |
|     | Tine Capacity   | lbs       | 22260          |
|     | O   | kg        | 20468          |
|     | Operating Weight  | lbs       | 45111          |



Hinge (B) Pin Height (mm)

\*Negative values indicate below grade

NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3 Tires, Air

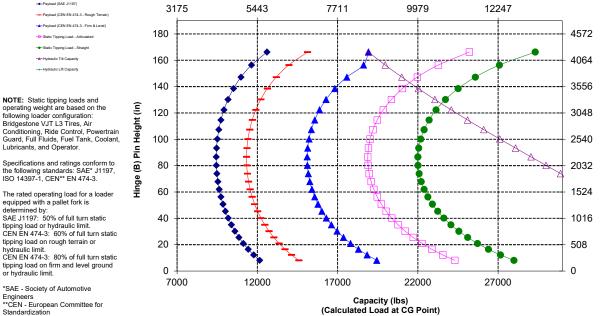
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CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.
CEN EN 474-3: 80% of full turn static tipping load on rough terrain or hydraulic limit.

tipping load on firm and level ground or hydraulic limit.

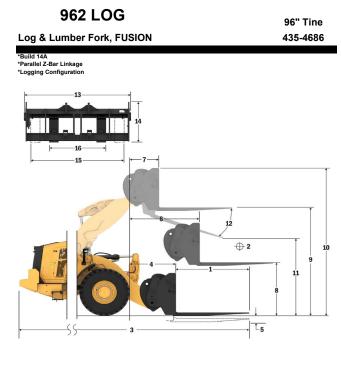
\*SAE - Society of Automotive Engineers
\*\*CEN - European Committee for Standardization

## Capacity (kg) (Calculated Load at CG Point)



#### **Fork Specifications**

| 1  | Tine Length  | mm<br>in  | 2438<br>96.0  |
|----|--|-----------|---------------|
| _  | 1404   | mm        | 1219          |
| 2  | Load Center  | in        | 48.0          |
|    | Static Tipping Load - Straight (Forks Level)                     | kg        | 9436          |
|    | Otatio Tipping Load - Otalight (Folio Level)                     | lbs       | 20797         |
|    | Static Tipping Load - Articulated (Forks Level)                  | kg        | 8056          |
|    | <u> </u>   | lbs<br>kg | 17756<br>4028 |
|    | Rated Load (SAE J1197 - 50% FTSTL)                               | lbs       | 8878          |
|    | Detect   and (OFN FN 474 & Decemb Terrains COOK FTOTI)           | kg        | 4834          |
|    | Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)              | lbs       | 10653         |
|    | Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)      | kg        | 6445          |
|    | Trace Educ (DEIV EIV 474 OT IIIII and Edver Ground - 00701 1012) | lbs       | 14205         |
| 3  | Maximum Overall Length   | mm        | 10208         |
|    | · J  | in        | 401.9         |
| 4  | Reach with Forks at Ground Level                                 | mm<br>in  | 1376<br>54.2  |
| _  |  | mm        | -83           |
| 5  | *Ground to Bottom of Tine at Minimum Height and Fork Level       | in        | -3.3          |
| -  | Reach with Arms Horizontal and Forks Level                       | mm        | 1884          |
| 6  | Reach with Arms Honzontal and Porks Level                        | in        | 74.2          |
| 7  | Reach with Fork at Maximum Height                                | mm        | 1005          |
|    | Trouble Mari on at maximum rioight                               | in        | 39.6          |
| 8  | Ground to Top of Tine with Arms Horizontal and Fork Level        | mm        | 1872          |
|    | ·  | in<br>mm  | 73.7<br>4024  |
| 9  | Ground to Top of Tine at Maximum Height and Fork Level           | in        | 158.4         |
|    | 0 1111111111111111111111111111111111111                          | mm        | 5535          |
| 10 | Overall Height of Fork at Full Lift (top of carriage to ground)  | in        | 217.9         |
| 11 | Clearance at Full Lift and Max Dump                              | mm        | 1806          |
|    | Oldardrice de l'un Elle dirid Mux Burrip                         | in        | 71.1          |
| 12 | Max Discharge Angle from Horizontal                              | deg       | 50            |
|    | 0 110 : 147.111  | mm        | 2176          |
| 13 | Overall Carriage Width   | in        | 85.7          |
| 1/ | Overall Carriage Height  | mm        | 1601          |
|    | Overall Carriage Fieight   | in        | 63.0          |
| 15 | Outside Tine Width (max spread)                                  | mm        | 2084          |
|    |  | in        | 82.0          |
| 16 | Outside Tine Width (min spread)                                  | mm<br>in  | 1002<br>39.4  |
|    |  | mm        | 180.0         |
|    | Tine Width (single tine)   | in        | 7.1           |
|    | Tine Thickness   | mm        | 90.0          |
|    | THE THICKHESS  | in        | 3.5           |
|    | Tine Capacity  | kg        | 10100         |
|    | inc appairy  | lbs       | 22260         |
|    | Operating Weight   | kg        | 20951         |
|    |  | lbs       | 46175         |



\*Negative values indicate below grade

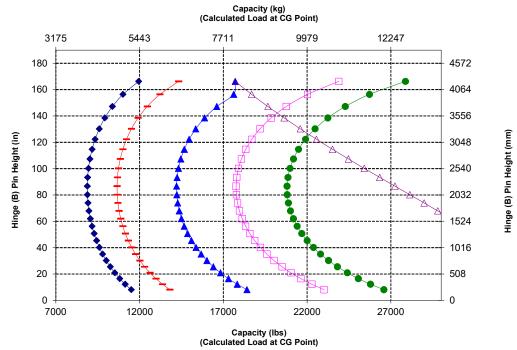


NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE\* J1197, ISO 14397-1, CEN\*\* EN 474-3.

The rated operating load for a loader equipped with a pallet fork is determined by: SAE J1197: 50% of full turn static tipping load or hydraulic limit. CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit. CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

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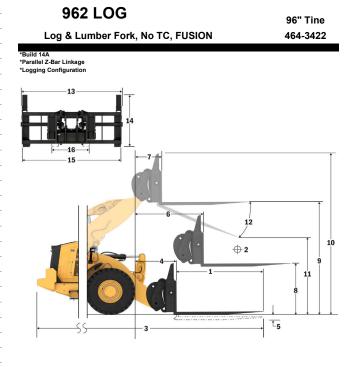




# **Fork Specifications**

#### **Fork Specifications**

|     | nk opcomeditions   |           |               |
|-----|--|-----------|---------------|
| 1   | Tine Length  | mm<br>in  | 2438<br>96.0  |
| 2   | Load Center  | mm        | 1219          |
|     | Load Center  | in        | 48.0          |
|     | Static Tipping Load - Straight (Forks Level)                     | kg        | 9333          |
| _   | , , , , , , , , , , , , , , , , , , ,                            | lbs<br>kg | 20570<br>7962 |
|     | Static Tipping Load - Articulated (Forks Level)                  | lbs       | 17549         |
|     | Rated Load (SAE J1197 - 50% FTSTL)                               | kg        | 3981          |
|     | Nated Load (SAE 31197 - 30 % F131L)                              | lbs       | 8774          |
|     | Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)              | kg<br>lbs | 4777<br>10529 |
|     |  | ka        | 6370          |
|     | Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)      | lbs       | 14039         |
| 3   | Maximum Overall Length   | mm        | 10241         |
|     | Waximum Overali Length   | in        | 403.2         |
| 4   | Reach with Forks at Ground Level                                 | mm        | 1408          |
|     |  | in<br>mm  | 55.4<br>-91   |
| 5   | *Ground to Bottom of Tine at Minimum Height and Fork Level       | in        | -3.6          |
| 6   | Reach with Arms Horizontal and Forks Level                       | mm        | 1910          |
| -   | Reach with Affils Honzonial and Porks Level                      | in        | 75.2          |
| 7   | Reach with Fork at Maximum Height                                | mm        | 1032          |
|     | Trouble Mari Fore at Maximum Froight                             | in        | 40.6          |
| 8   | Ground to Top of Tine with Arms Horizontal and Fork Level        | mm<br>in  | 1864<br>73.4  |
| _   |  | mm        | 4016          |
| 9   | Ground to Top of Tine at Maximum Height and Fork Level           | in        | 158.1         |
| 10  | Overall Height of Fork at Full Lift (top of carriage to ground)  | mm        | 5450          |
| -10 | Overall fleight of Fork at Full Lift (top of carriage to ground) | in        | 214.6         |
| 11  | Clearance at Full Lift and Max Dump                              | mm        | 1975          |
|     | <u>'</u>   | in        | 77.8          |
| 12  | Max Discharge Angle from Horizontal                              | deg       | 44            |
| 13  | Overall Carriage Width   | mm        | 2812          |
|     |  | in<br>mm  | 110.7<br>1524 |
| 14  | Overall Carriage Height  | in        | 60.0          |
| 45  | Outside Time (Mildtle (see ))                                    | mm        | 2697          |
| 15  | Outside Tine Width (max spread)                                  | in        | 106.2         |
| 16  | Outside Tine Width (min spread)                                  | mm        | 1002          |
| _   | ·  | in        | 39.4<br>180.0 |
|     | Tine Width (single tine)   | mm<br>in  | 7.1           |
|     | Time Thirdeness  | mm        | 90.0          |
|     | Tine Thickness   | in        | 3.5           |
|     | Tine Capacity  | kg        | 10100         |
|     |  | lbs       | 22260         |
|     | Operating Weight   | kg        | 21002         |
|     |  | lbs       | 46288         |



\*Negative values indicate below grade

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Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

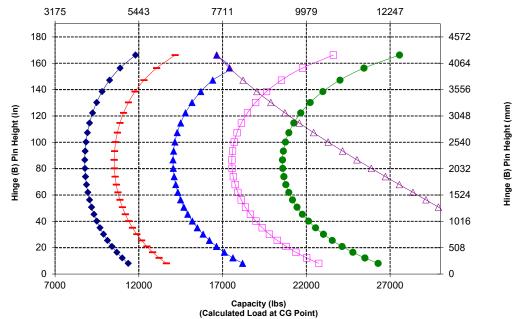
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tipping load on firm and level ground or hydraulic limit.

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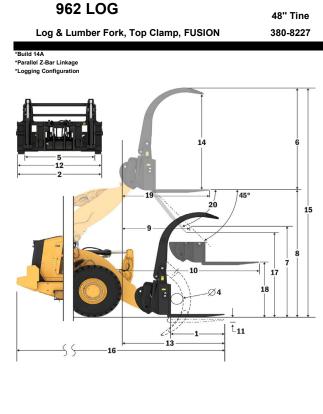
#### Capacity (kg) (Calculated Load at CG Point)





#### **Fork Specifications**

| 1        | Tine length  | mm        | 1219         |
|----------|--|-----------|--------------|
|          | · · · · · · · · · · · · · · · · · · ·                      | in        | 48.0         |
| 2        | Fork width   | mm        | 1893         |
|          |  | in        | 74.5         |
|          | End area   | m2        | 1.45         |
| _        | Inside Height  | ft2<br>mm | 16<br>0      |
| 3        | (only applies to double top clamp)                         | in        | 0            |
| _        | Min. opening   | mm        | 325          |
| 4        | (only applies to millyard forks)                           | in        | 13           |
| _        |  | kg        | 21514        |
|          | Operating Weight   | lbs       | 47429        |
| _        | B  | mm        | 1409         |
| 5        | Distance inside of tine tips                               | in        | 55           |
|          | Static tipping load, articulated                           | kg        | 8921         |
|          | Fork level   | lbs       | 19666.       |
|          | Static tipping load, straight                              | kg        | 10528        |
|          | Fork level   | lbs       | 23209.       |
| 6        | Max. height of fork  | mm        | 2932         |
| •        | (w/clamp open if applicable)                               | in        | 115.4        |
| 7        | Clearance w/full lift, 45 deg dump                         | mm        | 2723         |
| <u>'</u> | (if max. dump <> 45)                                       | in        | 107.2        |
| 8        | Clearance @ full lift fork level                           | mm        | 3919         |
| _        |  | in        | 154.3        |
| 9        | Reach w/full lift, 45 deg dump                             | mm        | 1597         |
| _        | (if max. dump <> 45)                                       | in        | 62.9         |
| 10       | Reach w/lift arm horizontal and fork level                 | mm        | 3222         |
|          |  | in        | 126.9        |
| 11       | *Ground to Bottom of Tool at Minimum Height and Tool Level | mm        | -97          |
|          |  | in        | -3.8         |
| 12       | Width over tines   | mm        | 1769         |
|          |  | in<br>mm  | 69.6<br>2715 |
| 13       | Reach @ ground level                                       | in        | 107          |
|          |  | mm        | 2635         |
| 14       | Max. opening across tine and clamp                         | in        | 103.7        |
|          | Overall height of fork @ full lift and                     | mm        | 6851         |
| 15       | clamp open   | in        | 269.7        |
|          | Overall length   | mm        | 9109         |
| 16       | Tip of tine to rear of machine                             | in        | 358.6        |
|          | Clearance @ full lift and max. dump                        | mm        | 2538         |
| 17       | Discharge (if <> 45)                                       | in        | 99.9         |
| 40       | Clearance w/horizontal lift arms and                       | mm        | 1767.6       |
| 18       | fork level   | in        | 69.6         |
| 10       | Reach @ full lift and fork lovel                           | mm        | 2343.7       |
| ıy       | Reach @ full lift and fork level                           | in        | 92.3         |
| 20       | Max. discharge angle from horizontal                       | deg       | 57           |
| -0       | wax. discharge drigte from nonzonial                       | rad       | 1.0          |
|          | Tine Capacity  | kg        | 14100        |
|          | ::::: zete:::/   | lbs       | 31076        |



- Payload (CEN EN 474-3 - Rough Ter

Specifications and ratings conform to the following standards: SAE\* J1197, ISO 14397-1, CEN\*\* EN 474-3.

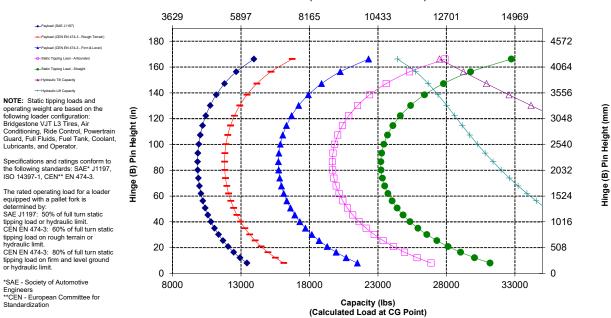
CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit. CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

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id (CEN EN 474-3 - Firm & Level)

# Capacity (kg) (Calculated Load at CG Point)

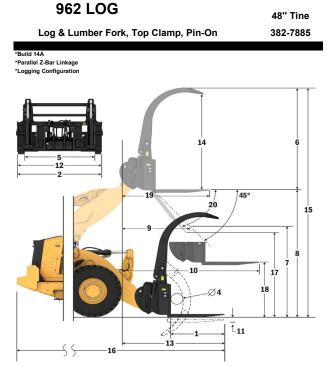


<sup>\*</sup>Negative values indicate below grade

# **Fork Specifications**

#### **Fork Specifications**

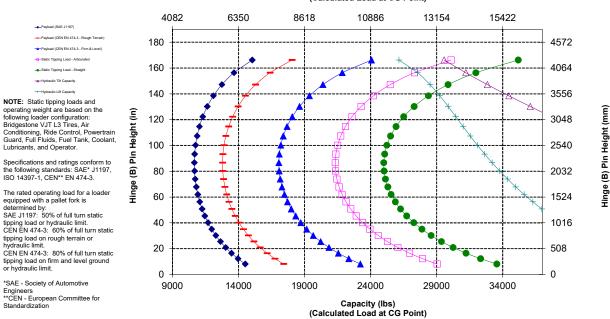
|    | TK Opcomoditions   | mm  | 1219    |
|----|--|-----|---------|
| 1  | Tine length  | in  | 48.0    |
| _  | - · · · · ·  | mm  | 1923    |
| 2  | Fork width   | in  | 75.7    |
|    | Fud area   | m2  | 1.45    |
|    | End area   | ft2 | 16      |
| 3  | Inside Height  | mm  | 0       |
| 3  | (only applies to double top clamp)                         | in  | 0       |
| 4  | Min. opening   | mm  | 325     |
| 4  | (only applies to millyard forks)                           | in  | 13      |
|    | Operating Weight   | kg  | 20997   |
|    | Operating Weight   | lbs | 46289   |
| 5  | Distance inside of tine tips                               | mm  | 1409    |
| •  | Distance inside of tine ups                                | in  | 55      |
|    | Static tipping load, articulated                           | kg  | 9670    |
|    | Fork level   | lbs | 21319.5 |
|    | Static tipping load, straight                              | kg  | 11339   |
|    | Fork level   | lbs | 24998.3 |
| 6  | Max. height of fork  | mm  | 2932    |
| _  | (w/clamp open if applicable)                               | in  | 115.4   |
| 7  | Clearance w/full lift, 45 deg dump                         | mm  | 2806    |
|    | (if max. dump <> 45)                                       | in  | 110.5   |
| 8  | Clearance @ full lift fork level                           | mm  | 3920    |
| _  | Occurance to run increase in a construction                | in  | 154.3   |
| 9  | Reach w/full lift, 45 deg dump                             | mm  | 1514    |
|    | (if max. dump <> 45)                                       | in  | 59.6    |
| 10 | Reach w/lift arm horizontal and fork level                 | mm  | 3105    |
|    | Trought Will all Holzonial and Tolk Torol                  | in  | 122.2   |
| 11 | *Ground to Bottom of Tool at Minimum Height and Tool Level | mm  | -97     |
|    |  | in  | -3.8    |
| 12 | Width over tines   | mm  | 1769    |
|    |  | in  | 69.6    |
| 13 | Reach @ ground level                                       | mm  | 2597    |
|    |  | in  | 102     |
| 14 | Max. opening across tine and clamp                         | mm  | 2635    |
|    |  | in  | 103.7   |
| 15 | Overall height of fork @ full lift and                     | mm  | 6851    |
|    | clamp open   | in  | 269.7   |
| 16 | Overall length   | mm  | 8991    |
|    | Tip of tine to rear of machine                             | in  | 354.0   |
| 17 | Clearance @ full lift and max. dump                        | mm  | 2793    |
|    | Discharge (if <> 45)                                       | in  | 110.0   |
| 18 | Clearance w/horizontal lift arms and                       | mm  | 1767.7  |
|    | fork level   | in  | 69.6    |
| 19 | Reach @ full lift and fork level                           | mm  | 2226.2  |
|    |  | in  | 87.6    |
| 20 | Max. discharge angle from horizontal                       | deg | 46      |
|    | g_ angle nonnionEontal                                     | rad | 0.8     |
|    | Tine Capacity  | kg  | 14100   |
|    | • •  | lbs | 31076   |



- Payload (CEN EN 474-3 - Rough Ten

ad (CEN EN 474-3 - Firm & Level)

# Capacity (kg) (Calculated Load at CG Point)





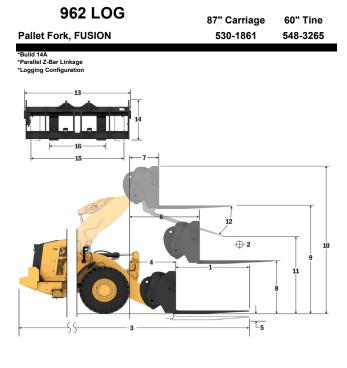
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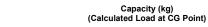
<sup>\*</sup>Negative values indicate below grade

#### **Fork Specifications**

|    | <u> </u>  |           |               |
|----|---|-----------|---------------|
| 1  | Tine Length   | mm<br>in  | 1524<br>60.0  |
| 2  | Load Center   | mm        | 762           |
|    | Load Ceriter  | in        | 30.0          |
|    | Static Tipping Load - Straight (Forks Level)                    | kg        | 11262         |
|    |   | lbs       | 24821         |
|    | Static Tipping Load - Articulated (Forks Level)                 | kg        | 9686<br>21347 |
| _  |   | lbs<br>kg | 4843          |
|    | Rated Load (SAE J1197 - 50% FTSTL)                              | lbs       | 10673         |
|    | D   | kg        | 5811          |
|    | Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)             | lbs       | 12808         |
|    | Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)     | kg        | 7748          |
|    | Traica Edad (OEIT EIT TITT and Edver Greating - 00701 TOTE)     | lbs       | 17078         |
| 3  | Maximum Overall Length  | mm        | 9294          |
|    |   | in        | 365.9         |
| 4  | Reach with Forks at Ground Level                                | mm        | 1376          |
|    |   | in<br>mm  | 54.2<br>-161  |
| 5  | *Ground to Bottom of Tine at Minimum Height and Fork Level      | in        | -6.4          |
| _  |   | mm        | 1849          |
| 6  | Reach with Arms Horizontal and Forks Level                      | in        | 72.8          |
| 7  | Reach with Fork at Maximum Height                               | mm        | 971           |
| '  | Reach with Fork at Maximum neight                               | in        | 38.2          |
| 8  | Ground to Top of Tine with Arms Horizontal and Fork Level       | mm        | 1769          |
|    | Ground to rop or time with rumo fronzontal and rork cover       | in        | 69.6          |
| 9  | Ground to Top of Tine at Maximum Height and Fork Level          | mm        | 3920          |
| _  |   | in        | 154.3<br>4695 |
| 10 | Overall Height of Fork at Full Lift (top of carriage to ground) | mm<br>in  | 184.9         |
|    |   | mm        | 2556          |
| 11 | Clearance at Full Lift and Max Dump                             | in        | 100.6         |
| 12 | Max Discharge Angle from Horizontal                             | deg       | 46            |
| 12 | Max Discharge Angle Irom Horizontal                             | deg       | 40            |
| 13 | Overall Carriage Width  | mm        | 2217          |
|    | Overall Garriage vivality                                       | in        | 87.3          |
| 14 | Overall Carriage Height   | mm        | 840           |
| _  |   | in        | 33.1          |
| 15 | Outside Tine Width (max spread)                                 | mm<br>in  | 2070<br>81.5  |
|    |   | mm        | 470           |
| 16 | Outside Tine Width (min spread)                                 | in        | 18.5          |
|    | Tine (Width (single tine)                                       | mm        | 150.0         |
|    | Tine Width (single tine)  | in        | 5.9           |
|    | Tine Thickness  | mm        | 65.0          |
|    | THE THORICO   | in        | 2.6           |
|    | Tine Capacity   | kg        | 6300          |
|    | - 1 /   | lbs       | 13885         |
|    | Operating Weight  | kg        | 20456         |
|    | · • •   | lbs       | 45084         |



\*Negative values indicate below grade



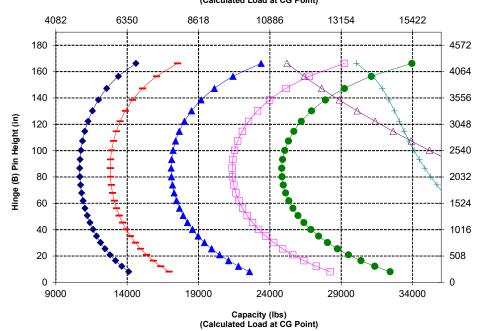


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\*SAE - Society of Automotive Engineers \*\*CEN - European Committee for Standardization



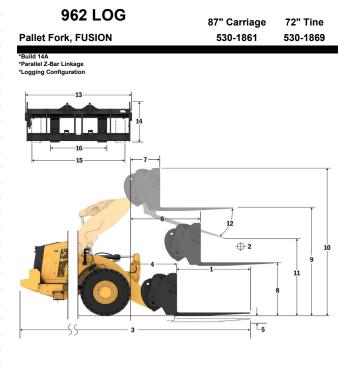


WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

# **Fork Specifications**

#### **Fork Specifications**

| 10 | ik opecilications   |           |               |
|----|---|-----------|---------------|
| 1  | Tine Length   | mm<br>in  | 1830<br>72.0  |
| 2  | Load Center   | mm        | 915           |
|    | Load Certier  | in        | 36.0          |
|    | Static Tipping Load - Straight (Forks Level)                        | kg        | 10738         |
|    |   | lbs       | 23667         |
|    | Static Tipping Load - Articulated (Forks Level)                     | kg<br>lbs | 9229<br>20341 |
| _  |   | kg        | 4614          |
|    | Rated Load (SAE J1197 - 50% FTSTL)                                  | lbs       | 10170         |
|    | Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)                 | kg        | 5537          |
|    | Nated Load (CEN EN 474-3 Rough Terrain - 00 % F131L)                | lbs       | 12204         |
|    | Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)         | kq        | 7383          |
|    | Trace Load (OLIT LIT II TOT IIII and Lot of Great Great Great Great | lbs       | 16272         |
| 3  | Maximum Overall Length  | mm        | 9600          |
|    |   | in        | 378.0<br>1376 |
| 4  | Reach with Forks at Ground Level                                    | mm<br>in  | 54.2          |
| _  |   | mm        | -161          |
| 5  | *Ground to Bottom of Tine at Minimum Height and Fork Level          | in        | -6.4          |
| _  | Reach with Arms Horizontal and Forks Level                          | mm        | 1849          |
| 6  | Reach with Arms Horizontal and Forks Level                          | in        | 72.8          |
| 7  | Reach with Fork at Maximum Height                                   | mm        | 971           |
|    | Treadil Will Fork at Maximum Floight                                | in        | 38.2          |
| 8  | Ground to Top of Tine with Arms Horizontal and Fork Level           | mm        | 1769          |
|    |   | in        | 69.6          |
| 9  | Ground to Top of Tine at Maximum Height and Fork Level              | mm<br>in  | 3920<br>154.3 |
|    | <u> </u>  | mm        | 4695          |
| 10 | Overall Height of Fork at Full Lift (top of carriage to ground)     | in        | 184.9         |
|    | 01  | mm        | 2337          |
| 11 | Clearance at Full Lift and Max Dump                                 | in        | 92.0          |
| 12 | Max Discharge Angle from Horizontal                                 | deg       | 46            |
| 13 | Overall Carriage Width  | mm        | 2217          |
|    | g   | in        | 87.3          |
| 14 | Overall Carriage Height   | mm        | 840           |
|    | <u> </u>  | in<br>mm  | 33.1<br>2070  |
| 15 | Outside Tine Width (max spread)                                     | in        | 81.5          |
|    |   | mm        | 470           |
| 16 | Outside Tine Width (min spread)                                     | in        | 18.5          |
|    | Tine Width (single tine)  | mm        | 150.0         |
|    | THE WIGHT (SHIGHE HITE)   | in        | 5.9           |
|    | Tine Thickness  | mm        | 65.0          |
|    | 1110 1110111000   | in        | 2.6           |
|    | Tine Capacity   | kg        | 5246          |
|    | - 1 /   | lbs       | 11562         |
|    | Operating Weight  | kg        | 20503         |
|    |   | lbs       | 45188         |



\*Negative values indicate below grade



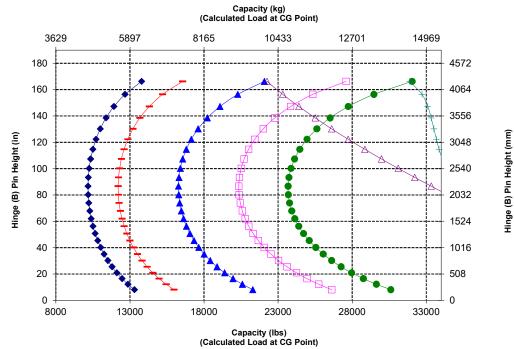
NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

--- Hydraulic Lift Capacity

Specifications and ratings conform to the following standards: SAE\* J1197, ISO 14397-1, CEN\*\* EN 474-3.

The rated operating load for a loader equipped with a pallet fork is determined by: SAE J1197: 50% of full turn static tipping load or hydraulic limit. CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit. CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

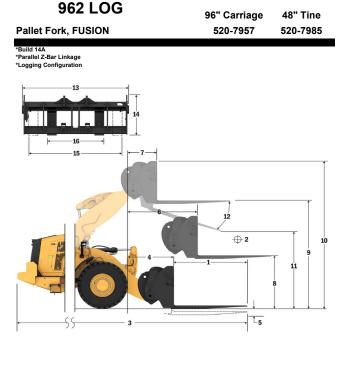
\*SAE - Society of Automotive Engineers \*\*CEN - European Committee for Standardization





#### **Fork Specifications**

| _  |   |           |               |
|----|---|-----------|---------------|
| 1  | Tine Length   | mm<br>in  | 1219<br>48.0  |
| 2  | Load Center   | mm        | 610           |
|    | Load Center   | in        | 24.0          |
|    | Static Tipping Load - Straight (Forks Level)                    | kg        | 11569         |
|    | , , , , , , , , , , , , , , , , , , ,                           | lbs<br>kg | 25499<br>9916 |
|    | Static Tipping Load - Articulated (Forks Level)                 | lbs       | 21855         |
|    | D-4-414 (CAE 14407, FOO) FTOTI \                                | kg        | 4958          |
|    | Rated Load (SAE J1197 - 50% FTSTL)                              | lbs       | 10927         |
|    | Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)             | kg        | 5950          |
|    |   | lbs       | 13113         |
|    | Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)     | ka<br>Ibs | 7933<br>17484 |
| _  |   | mm        | 8946          |
| 3  | Maximum Overall Length  | in        | 352.2         |
| 4  | Reach with Forks at Ground Level                                | mm        | 1332          |
| 4  | Reach with Forks at Ground Level                                | in        | 52.5          |
| 5  | *Ground to Bottom of Tine at Minimum Height and Fork Level      | mm        | -81           |
|    | Croana to Bottom or time at miniman rieignt and rieit 2010.     | in        | -3.2          |
| 6  | Reach with Arms Horizontal and Forks Level                      | mm        | 1841          |
|    |   | in<br>mm  | 72.5<br>963   |
| 7  | Reach with Fork at Maximum Height                               | in        | 37.9          |
| _  | Oncome differential and Fordal and                              | mm        | 1874          |
| 8  | Ground to Top of Tine with Arms Horizontal and Fork Level       | in        | 73.8          |
| 9  | Ground to Top of Tine at Maximum Height and Fork Level          | mm        | 4026          |
| _  | Ordana to rop or rino at maximam riolynt and rom 2010.          | in        | 158.5         |
| 10 | Overall Height of Fork at Full Lift (top of carriage to ground) | mm        | 5066          |
|    | · · · · · · · · · · · · · · · · · · ·                           | in<br>mm  | 199.5<br>2740 |
| 11 | Clearance at Full Lift and Max Dump                             | in        | 107.9         |
| 42 | May Discharge Angle from Herizontel                             |           |               |
| 12 | Max Discharge Angle from Horizontal                             | deg       | 52            |
| 13 | Overall Carriage Width  | mm        | 2528          |
|    | g   | in        | 99.5          |
| 14 | Overall Carriage Height   | mm<br>in  | 1130<br>44.5  |
|    |   | mm        | 2178          |
| 15 | Outside Tine Width (max spread)                                 | in        | 85.7          |
| 40 | Outside Tine Width (min spread)                                 | mm        | 576           |
| 10 | Outside Tille Width (Illin Spread)                              | in        | 22.7          |
|    | Tine Width (single tine)  | mm        | 180.0         |
|    | Time Triadir (oringie time)                                     | in        | 7.1           |
|    | Tine Thickness  | mm        | 90.0          |
|    |   | in<br>kg  | 3.5<br>22200  |
|    | Tine Capacity   | lbs       | 48929         |
|    | 0 " W''   | kg        | 20765         |
|    | Operating Weight  | lbs       | 45765         |
|    |   |           |               |



\*Negative values indicate below grade

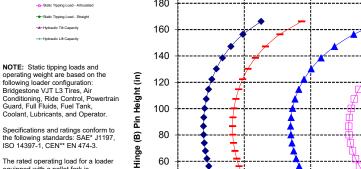


13154

29000

15422

34000



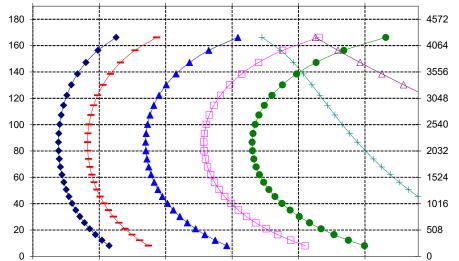
4082

6350

14000

8618

19000



24000

Capacity (lbs) (Calculated Load at CG Point)

The rated operating load for a loader equipped with a pallet fork is determined by:
SAE J1197: 50% of full turn static tipping load or hydraulic limit.
CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.
CEN EN 474-3: 80% of full turn static tipping load on rough terrain or hydraulic limit. tipping load on firm and level ground or hydraulic limit.

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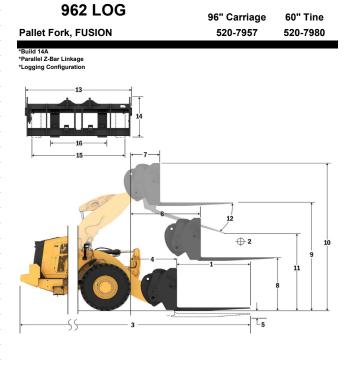
WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

9000

# **Fork Specifications**

#### **Fork Specifications**

|    | nk opcomeditions  |           |              |
|----|---|-----------|--------------|
| 1  | Tine Length   | mm<br>in  | 1524<br>60.0 |
|    | <u> </u>  | mm        | 762          |
| 2  | Load Center   | in        | 30.0         |
|    | O T   | kg        | 10993        |
|    | Static Tipping Load - Straight (Forks Level)                    | lbs       | 24229        |
|    | Static Tipping Load - Articulated (Forks Level)                 | kg        | 9412         |
|    | Static ripping Load - Articulated (Forks Level)                 | lbs       | 20745        |
|    | Rated Load (SAE J1197 - 50% FTSTL)                              | kg        | 4706         |
|    | Nated Load (SAE 31197 - 30 % F131L)                             | lbs       | 10373        |
|    | Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)             | kg        | 5647         |
|    | Traica Edaa (OE14 E14 47 4 0 Trough Terrain 1 00 70 1 TOTE)     | lbs       | 12447        |
|    | Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)     | kg        | 7530         |
|    |   | lbs       | 16596        |
| 3  | Maximum Overall Length  | mm        | 9251         |
|    |   | in        | 364.2        |
| 4  | Reach with Forks at Ground Level                                | mm        | 1333         |
|    | ·   | in        | 52.5         |
| 5  | *Ground to Bottom of Tine at Minimum Height and Fork Level      | mm        | -81          |
|    |   | in        | -3.2         |
| 6  | Reach with Arms Horizontal and Forks Level                      | mm        | 1842         |
|    |   | in        | 72.5         |
| 7  | Reach with Fork at Maximum Height                               | mm<br>in  | 963<br>37.9  |
|    |   | mm        | 1874         |
| 8  | Ground to Top of Tine with Arms Horizontal and Fork Level       | in        | 73.8         |
| _  |   | mm        | 4026         |
| 9  | Ground to Top of Tine at Maximum Height and Fork Level          | in        | 158.5        |
| 40 | 0   | mm        | 5066         |
| 10 | Overall Height of Fork at Full Lift (top of carriage to ground) | in        | 199.5        |
| 11 | Clearance at Full Lift and Max Dump                             | mm        | 2500         |
| 11 | Clearance at Full Lift and Max Durnp                            | in        | 98.4         |
| 12 | Max Discharge Angle from Horizontal                             | deg       | 52           |
| 12 | Max Discharge Angle Iron Fronzontal                             | ueg       | 32           |
| 12 | Overall Carriage Width  | mm        | 2528         |
|    | Overall Carriage Width  | in        | 99.5         |
| 14 | Overall Carriage Height   | mm        | 1130         |
|    | Overall Garriage Height   | in        | 44.5         |
| 15 | Outside Tine Width (max spread)                                 | mm        | 2178         |
|    | Outoldo Tillo Tridui (max oproda)                               | in        | 85.7         |
| 16 | Outside Tine Width (min spread)                                 | mm        | 576          |
|    | ·   | in        | 22.7         |
|    | Tine Width (single tine)  | mm        | 180.0        |
|    |   | in        | 7.1          |
|    | Tine Thickness  | mm        | 90.0         |
|    |   | in        | 3.5<br>17800 |
|    | Tine Capacity   | kg        | 39231        |
|    | · · · · · · · · · · · · · · · · · · ·                           | lbs       | 20831        |
|    | Operating Weight  | kg<br>lbs | 45911        |
|    |   | IDS       | 40911        |



Hinge (B) Pin Height (mm)

\*Negative values indicate below grade

--- Hydraulic Lift Capacity

NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3 Tires, Air

Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

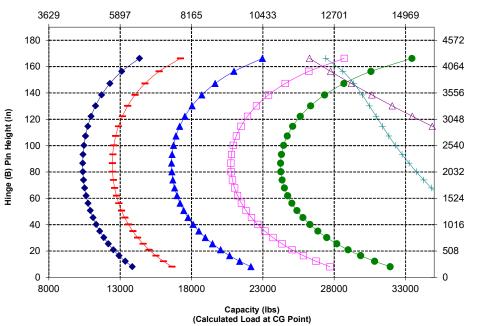
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CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit.
CEN EN 474-3: 80% of full turn static tipping load on rough terrain or hydraulic limit.

tipping load on firm and level ground or hydraulic limit.

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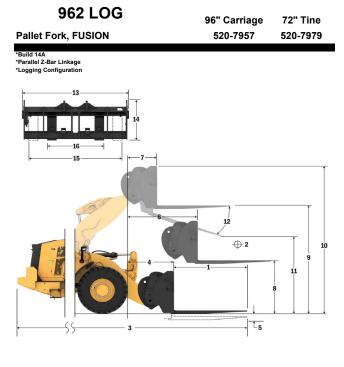
#### Capacity (kg) (Calculated Load at CG Point)





#### **Fork Specifications**

| 1     | Tine Length   | mm<br>in  | 1829<br>72.0 |
|-------|---|-----------|--------------|
| _     | Land Carter   | mm        | 915          |
| 2     | Load Center   | in        | 36.0         |
|       | Static Tipping Load - Straight (Forks Level)                    | kg        | 10464        |
|       | Static Tipping Load - Straight (1 Stra Level)                   | lbs       | 23062        |
|       | Static Tipping Load - Articulated (Forks Level)                 | kg        | 8950         |
|       | 11 3 ( /  | lbs       | 19726        |
|       | Rated Load (SAE J1197 - 50% FTSTL)                              | kg        | 4475         |
|       | · · · · · · · · · · · · · · · · · · ·                           | lbs<br>kg | 9863<br>5370 |
|       | Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)             | lbs       | 11835        |
|       | D + 11  | ka        | 7160         |
|       | Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)     | lbs       | 15781        |
| 3     | Maximum Overall Length  | mm        | 9556         |
| 3     | Maximum Overali Lengin  | in        | 376.2        |
| 4     | Reach with Forks at Ground Level                                | mm        | 1333         |
| _     | Treach with Forks at Ground Level                               | in        | 52.5         |
| 5     | *Ground to Bottom of Tine at Minimum Height and Fork Level      | mm        | -81          |
| _     | Croana to Bottom of Timo at Miniman Trought and Tont Bottom     | in        | -3.2         |
| 6     | Reach with Arms Horizontal and Forks Level                      | mm        | 1842         |
| _     |   | in        | 72.5         |
| 7     | Reach with Fork at Maximum Height                               | mm        | 963<br>37.9  |
|       | <u> </u>  | in<br>mm  | 1874         |
| 8     | Ground to Top of Tine with Arms Horizontal and Fork Level       | in        | 73.8         |
| _     |   | mm        | 4026         |
| 9     | Ground to Top of Tine at Maximum Height and Fork Level          | in        | 158.5        |
|       | 0   | mm        | 5066         |
| 10    | Overall Height of Fork at Full Lift (top of carriage to ground) | in        | 199.5        |
| 11    | Clearance at Full Lift and Max Dump                             | mm        | 2259         |
| • • • | Clearance at Full Lift and Wax Dump                             | in        | 88.9         |
| 12    | Max Discharge Angle from Horizontal                             | deg       | 52           |
|       | max Bloomargo 7 mgio mom Fronzontali                            |           |              |
| 13    | Overall Carriage Width  | mm        | 2528         |
| _     | · · · · · · · · · · · · · · · · · · ·                           | in        | 99.5<br>1130 |
| 14    | Overall Carriage Height   | mm        | 44.5         |
|       |   | in<br>mm  | 2178         |
| 15    | Outside Tine Width (max spread)                                 | in        | 85.7         |
|       |   | mm        | 576          |
| 16    | Outside Tine Width (min spread)                                 | in        | 22.7         |
|       | Tine Width (single tine)  | mm        | 180.0        |
|       | Title Width (Single title)                                      | in        | 7.1          |
|       | Tine Thickness  | mm        | 90.0         |
|       | THE THICKNESS   | in        | 3.5          |
|       | Tine Capacity   | kg        | 14800        |
|       | inia aspany   | lbs       | 32619        |
|       | Operating Weight  | kg        | 20892        |
|       | -r  | lbs       | 46045        |



\*Negative values indicate below grade

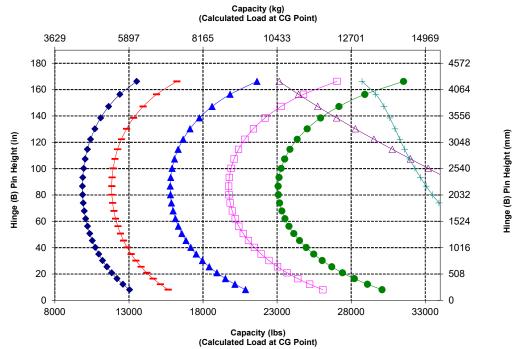


NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

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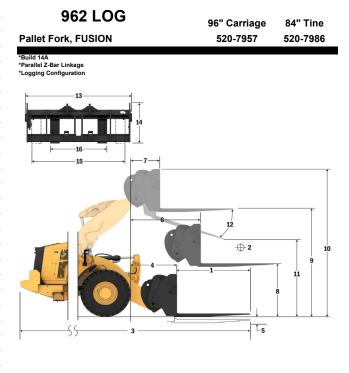




# **Fork Specifications**

#### **Fork Specifications**

| . • | nk opcomoduons  |           |                |
|-----|---|-----------|----------------|
| 1   | Tine Length   | mm<br>in  | 2134<br>84.0   |
| 2   | Land Contra   | mm        | 1067           |
|     | Load Center   | in        | 42.0           |
|     | Static Tipping Load - Straight (Forks Level)                      | kg        | 9970           |
|     | otatio ripping zoda otalgit (r otto zovor)                        | lbs       | 21975          |
|     | Static Tipping Load - Articulated (Forks Level)                   | kg        | 8518           |
|     | · · · · · · · · · · · · · · · · · · ·                             | lbs<br>kg | 18774<br>4259  |
|     | Rated Load (SAE J1197 - 50% FTSTL)                                | lbs       | 9387           |
|     | D + 11  | ka        | 5111           |
|     | Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)               | lbs       | 11265          |
|     | Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)       | kg        | 6815           |
|     | Nated Load (OLIV EIV 474-51 IIIII and Level Gloding - 60% 1 101E) | lbs       | 15019          |
| 3   | Maximum Overall Length  | mm        | 9861           |
|     | maximum o vorain zonigan  | in        | 388.2          |
| 4   | Reach with Forks at Ground Level                                  | mm        | 1333           |
|     |   | in        | 52.5           |
| 5   | *Ground to Bottom of Tine at Minimum Height and Fork Level        | mm<br>in  | -81<br>-3.2    |
|     |   | mm        | 1842           |
| 6   | Reach with Arms Horizontal and Forks Level                        | in        | 72.5           |
| 7   | Reach with Fork at Maximum Height                                 | mm        | 963            |
| ′   | Reach with Fork at Maximum neight                                 | in        | 37.9           |
| 8   | Ground to Top of Tine with Arms Horizontal and Fork Level         | mm        | 1874           |
|     | Ordana to Top of Timo Mari Timo Fronzoniai and Fork 2010          | in        | 73.8           |
| 9   | Ground to Top of Tine at Maximum Height and Fork Level            | mm        | 4026           |
|     | <u> </u>  | in<br>mm  | 158.5<br>5066  |
| 10  | Overall Height of Fork at Full Lift (top of carriage to ground)   | in        | 199.5          |
|     | 0   | mm        | 2019           |
| 11  | Clearance at Full Lift and Max Dump                               | in        | 79.5           |
| 12  | Max Discharge Angle from Horizontal                               | deg       | 52             |
| 12  | Max Discharge Angle Iron Honzonial                                | ueg       |                |
| 13  | Overall Carriage Width  | mm        | 2528           |
|     |   | in        | 99.5           |
| 14  | Overall Carriage Height   | mm        | 1130<br>44.5   |
|     |   | in<br>mm  | 2178           |
| 15  | Outside Tine Width (max spread)                                   | in        | 85.7           |
| 40  | Outside Time Midth (sein sensed)                                  | mm        | 576            |
| 16  | Outside Tine Width (min spread)                                   | in        | 22.7           |
|     | Tine Width (single tine)  | mm        | 180.0          |
|     | Time Width (single time)  | in        | 7.1            |
|     | Tine Thickness  | mm        | 90.0           |
|     | ***************************************                           | in        | 3.5            |
|     | Tine Capacity   | kg        | 12700          |
|     |   | lbs<br>ka | 27991<br>20955 |
|     | Operating Weight  | kg<br>lbs | 46184          |
|     |   | IDS       | +0104          |



Hinge (B) Pin Height (mm)

\*Negative values indicate below grade

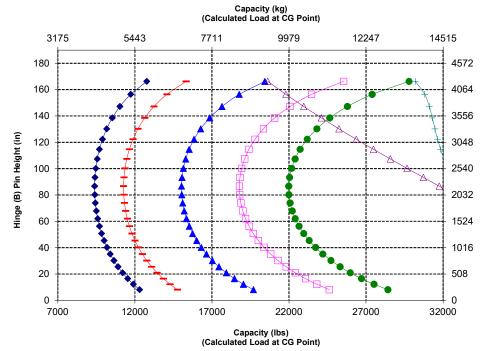


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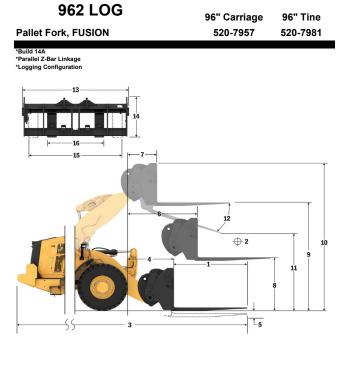
\*SAE - Society of Automotive Engineers \*\*CEN - European Committee for Standardization





#### **Fork Specifications**

| 1  | Tine Length   | mm<br>in  | 2438<br>96.0  |
|----|---|-----------|---------------|
| _  | Land Carter   | mm        | 1219          |
| 2  | Load Center   | in        | 48.0          |
|    | Static Tipping Load - Straight (Forks Level)                      | kg        | 9513          |
|    | otatio ripping coda otraight (ronto corol)                        | lbs       | 20968         |
|    | Static Tipping Load - Articulated (Forks Level)                   | kg        | 8118<br>17892 |
| _  |   | lbs<br>kg | 4059          |
|    | Rated Load (SAE J1197 - 50% FTSTL)                                | lbs       | 8946          |
|    | Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)               | kg        | 4871          |
|    | Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)               | lbs       | 10735         |
|    | Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)       | kg        | 6494          |
|    | Traica Edad (OETV ETV 474 OT IIIII and Edver Ground - 00701 1012) | lbs       | 14314         |
| 3  | Maximum Overall Length  | mm        | 10165         |
| _  |   | in        | 400.2         |
| 4  | Reach with Forks at Ground Level                                  | mm        | 1333          |
|    |   | in        | 52.5<br>-81   |
| 5  | *Ground to Bottom of Tine at Minimum Height and Fork Level        | mm<br>in  | -3.2          |
| _  |   | mm        | 1842          |
| 6  | Reach with Arms Horizontal and Forks Level                        | in        | 72.5          |
| 7  | Death with Early of Manipular Halinka                             | mm        | 963           |
| ′  | Reach with Fork at Maximum Height                                 | in        | 37.9          |
| 8  | Ground to Top of Tine with Arms Horizontal and Fork Level         | mm        | 1874          |
| _  | Ground to Top of Title with Arms Honzontal and Fork Level         | in        | 73.8          |
| 9  | Ground to Top of Tine at Maximum Height and Fork Level            | mm        | 4026          |
| _  | 99  | in        | 158.5         |
| 10 | Overall Height of Fork at Full Lift (top of carriage to ground)   | mm<br>in  | 5066          |
|    | *                           | mm        | 199.5<br>1779 |
| 11 | Clearance at Full Lift and Max Dump                               | in        | 70.0          |
| 40 | Man Diaghanna Angla from Harimontal                               |           |               |
| 12 | Max Discharge Angle from Horizontal                               | deg       | 52            |
| 12 | Overall Carriage Width  | mm        | 2528          |
|    | Overall Carriage Width  | in        | 99.5          |
| 14 | Overall Carriage Height   | mm        | 1130          |
|    |   | in        | 44.5          |
| 15 | Outside Tine Width (max spread)                                   | mm        | 2178          |
|    | . , ,   | in<br>mm  | 85.7<br>576   |
| 16 | Outside Tine Width (min spread)                                   | in        | 22.7          |
|    | T MC 10 / 1 / 1 / 2 /   | mm        | 180.0         |
|    | Tine Width (single tine)  | in        | 7.1           |
|    | Tine Thickness  | mm        | 90.0          |
|    | Title Thickness   | in        | 3.5           |
|    | Tine Capacity   | kg        | 11300         |
|    | тие Сараску   | lbs       | 24905         |
|    | Operating Weight  | kg        | 21017         |
|    | opolating troight   | lbs       | 46321         |



\*Negative values indicate below grade



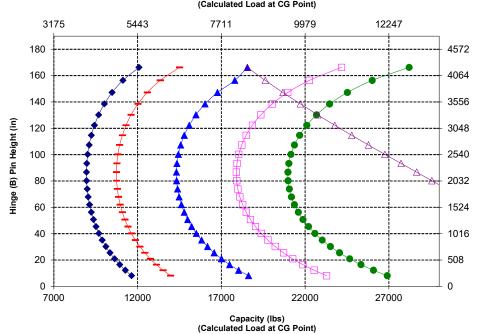


NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

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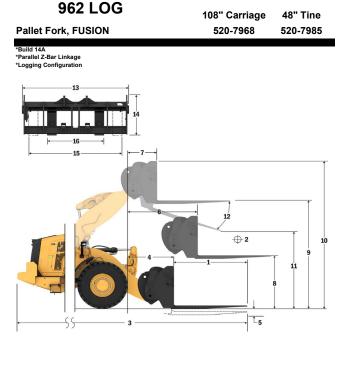


WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

# **Fork Specifications**

#### **Fork Specifications**

|     | nk opecifications  |           |               |
|-----|--|-----------|---------------|
| 1   | Tine Length  | mm<br>in  | 1219<br>48.0  |
| _   | 1404   | mm        | 610           |
| 2   | Load Center  | in        | 24.0          |
|     | Static Tipping Load - Straight (Forks Level)                     | kg        | 11528         |
|     | State Tipping 25dd Statight (1 Shie 2575)                        | lbs       | 25409         |
|     | Static Tipping Load - Articulated (Forks Level)                  | kg<br>lbs | 9875<br>21765 |
|     |  | ka        | 4938          |
|     | Rated Load (SAE J1197 - 50% FTSTL)                               | lbs       | 10882         |
|     | Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)              | kg        | 5925          |
|     | Rated Load (CEN EN 474-3 Rough Terrain - 60% F131L)              | lbs       | 13059         |
|     | Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)      | kq        | 7900          |
|     |  | lbs       | 17412         |
| 3   | Maximum Overall Length   | mm<br>in  | 8946<br>352.2 |
| _   |  | mm        | 1332          |
| 4   | Reach with Forks at Ground Level                                 | in        | 52.5          |
| 5   | *Ground to Bottom of Tine at Minimum Height and Fork Level       | mm        | -81           |
| o . | Ground to Bottom of Time at Minimum Height and Fork Level        | in        | -3.2          |
| 6   | Reach with Arms Horizontal and Forks Level                       | mm        | 1841          |
| _   | Trought with 74th 6 Fion 20th at and 1 onto 20th                 | in        | 72.5          |
| 7   | Reach with Fork at Maximum Height                                | mm        | 963           |
|     | <u> </u>   | in<br>mm  | 37.9<br>1874  |
| 8   | Ground to Top of Tine with Arms Horizontal and Fork Level        | in        | 73.8          |
| _   | 0 11 7 77 111 1 15 11 1  | mm        | 4026          |
| 9   | Ground to Top of Tine at Maximum Height and Fork Level           | in        | 158.5         |
| 10  | Overall Height of Fork at Full Lift (top of carriage to ground)  | mm        | 5066          |
| 10  | Overall Fleight of Fork at Full Lift (top of carriage to ground) | in        | 199.5         |
| 11  | Clearance at Full Lift and Max Dump                              | mm        | 2740          |
|     | <u>'</u>   | in        | 107.9         |
| 12  | Max Discharge Angle from Horizontal                              | deg       | 52            |
| 13  | Overall Carriage Width   | mm<br>in  | 2833<br>111.5 |
|     |  | mm        | 1130          |
| 14  | Overall Carriage Height  | in        | 44.5          |
| 45  | Outside Tine Width (may enreed)                                  | mm        | 2493          |
| 15  | Outside Tine Width (max spread)                                  | in        | 98.1          |
| 16  | Outside Tine Width (min spread)                                  | mm        | 590           |
|     | Catalas Tinis Triatif (Itimi oproda)                             | in        | 23.2          |
|     | Tine Width (single tine)   | mm        | 180.0         |
|     |  | in<br>mm  | 7.1<br>90.0   |
|     | Tine Thickness   | in        | 3.5           |
|     | T: 0it.  | kg        | 22200         |
|     | Tine Capacity  | lbs       | 48929         |
|     | Operating Weight   | kg        | 20818         |
|     | Operating Weight   | lbs       | 45882         |



Hinge (B) Pin Height (mm)

\*Negative values indicate below grade

--- Hydraulic Lift Capacity

NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3 Tires, Air

Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

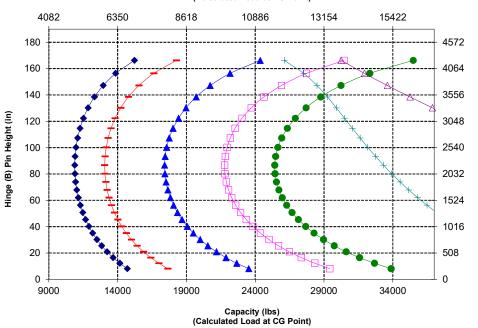
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CEN EN 474-3: 80% of full turn static tipping load on rough terrain or hydraulic limit.
CEN EN 474-3: 80% of full turn static tipping load on firm and level ground.

tipping load on firm and level ground or hydraulic limit.

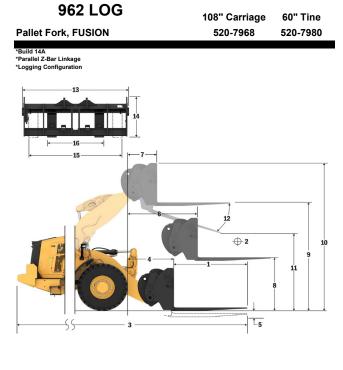
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#### Capacity (kg) (Calculated Load at CG Point)

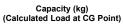


#### **Fork Specifications**

|    | nk opcomoduons  |           |               |
|----|---|-----------|---------------|
| 1  | Tine Length   | mm<br>in  | 1524<br>60.0  |
| _  |   | mm        | 762           |
| 2  | Load Center   | in        | 30.0          |
|    | Static Tipping Load - Straight (Forks Level)                    | kg        | 10958         |
|    | Static ripping Load - Straight (Forks Level)                    | lbs       | 24151         |
|    | Static Tipping Load - Articulated (Forks Level)                 | kg        | 9377          |
|    | Otatio ripping Load - 7 titiodiated (1 onto Lover)              | lbs       | 20667         |
|    | Rated Load (SAE J1197 - 50% FTSTL)                              | kg        | 4689          |
|    | Trained 2000 (07/2 07/07 00/07 10/2)                            | lbs       | 10333         |
|    | Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)             | kg        | 5626          |
|    | , ,   | lbs       | 12400<br>7502 |
|    | Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)     | ka<br>Ibs | 16534         |
|    |   | mm        | 9251          |
| 3  | Maximum Overall Length  | in        | 364.2         |
| _  | D 1 71 F 1 10 11 1  | mm        | 1333          |
| 4  | Reach with Forks at Ground Level                                | in        | 52.5          |
| 5  | *Ground to Bottom of Tine at Minimum Height and Fork Level      | mm        | -81           |
| Э  | Ground to Bottom of Time at Minimum Height and Pork Level       | in        | -3.2          |
| 6  | Reach with Arms Horizontal and Forks Level                      | mm        | 1842          |
| _  | Treach with Anns Honzontal and Forks Level                      | in        | 72.5          |
| 7  | Reach with Fork at Maximum Height                               | mm        | 963           |
| •  | Trouble Mari Fort at Maximum Froight                            | in        | 37.9          |
| 8  | Ground to Top of Tine with Arms Horizontal and Fork Level       | mm        | 1874          |
| _  | · '   | in        | 73.8          |
| 9  | Ground to Top of Tine at Maximum Height and Fork Level          | mm        | 4026          |
|    | <u> </u>  | in        | 158.5<br>5066 |
| 10 | Overall Height of Fork at Full Lift (top of carriage to ground) | mm<br>in  | 199.5         |
|    |   | mm        | 2500          |
| 11 | Clearance at Full Lift and Max Dump                             | in        | 98.4          |
| 12 | Max Discharge Angle from Horizontal                             | deg       | 52            |
| 12 | Overall Carriage Width  | mm        | 2833          |
| 13 | Overall Carriage Width  | in        | 111.5         |
| 14 | Overall Carriage Height   | mm        | 1130          |
|    |   | in        | 44.5          |
| 15 | Outside Tine Width (max spread)                                 | mm        | 2483<br>97.8  |
|    |   | in<br>mm  | 590           |
| 16 | Outside Tine Width (min spread)                                 | in        | 23.2          |
|    |   | mm        | 180.0         |
|    | Tine Width (single tine)  | in        | 7.1           |
|    | Time Thirdeness   | mm        | 90.0          |
|    | Tine Thickness  | in        | 3.5           |
|    | Tino Canacity   | kg        | 17800         |
|    | Tine Capacity   | lbs       | 39231         |
|    | Operating Weight  | kg        | 20880         |
|    | Operating weight  | lbs       | 46019         |



\*Negative values indicate below grade



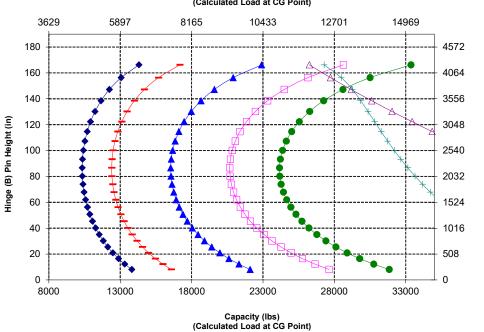


NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

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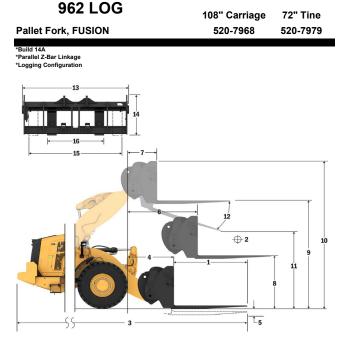


WARNING: Do not exceed tine load capacity. Individual tine capacity is stamped on the side of each tine.

# **Fork Specifications**

#### **Fork Specifications**

|          | K Opcomodions   |           |                |
|----------|---|-----------|----------------|
| 1        | Tine Length   | mm<br>in  | 1829<br>72.0   |
| 2        | Load Center   | mm        | 915            |
|          | Load Geriter  | in        | 36.0           |
|          | Static Tipping Load - Straight (Forks Level)                    | kg<br>Ibs | 10429<br>22985 |
|          | 0.6.7.1.1.4.6.1.1.7.1.1.0                                       | kg        | 8915           |
|          | Static Tipping Load - Articulated (Forks Level)                 | lbs       | 19648          |
|          | Rated Load (SAE J1197 - 50% FTSTL)                              | kg        | 4457           |
|          | Traced Edda (G/IE 01107 - 00701 101E)                           | lbs       | 9824           |
|          | Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)             | kg<br>Ibs | 5349<br>11789  |
|          |   | ka        | 7132           |
|          | Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)     | lbs       | 15719          |
| 3        | Maximum Overall Length  | mm        | 9556           |
| ٠        | Waxiinani Overali Lengui  | in        | 376.2          |
| 4        | Reach with Forks at Ground Level                                | mm        | 1333           |
|          | ·   | in        | 52.5           |
| 5        | *Ground to Bottom of Tine at Minimum Height and Fork Level      | mm<br>in  | -81<br>-3.2    |
| _        |   | mm        | 1842           |
| 6        | Reach with Arms Horizontal and Forks Level                      | in        | 72.5           |
| 7        | Reach with Fork at Maximum Height                               | mm        | 963            |
| <u>'</u> | Treach with Fork at Maximum Height                              | in        | 37.9           |
| 8        | Ground to Top of Tine with Arms Horizontal and Fork Level       | mm        | 1874           |
|          | · · · · · · · · · · · · · · · · · · ·                           | in        | 73.8           |
| 9        | Ground to Top of Tine at Maximum Height and Fork Level          | mm<br>in  | 4026<br>158.5  |
|          |   | mm        | 5066           |
| 10       | Overall Height of Fork at Full Lift (top of carriage to ground) | in        | 199.5          |
| 11       | Clearance at Full Lift and Max Dump                             | mm        | 2259           |
| •••      | Oldarande at Fair Ent and Max Bump                              | in        | 88.9           |
| 12       | Max Discharge Angle from Horizontal                             | deg       | 52             |
| 13       | Overall Carriage Width  | mm        | 2833           |
|          |   | in<br>mm  | 111.5<br>1130  |
| 14       | Overall Carriage Height   | in        | 44.5           |
| 4-       | O 1 11 T 147 H 1  | mm        | 2483           |
| 15       | Outside Tine Width (max spread)                                 | in        | 97.8           |
| 16       | Outside Tine Width (min spread)                                 | mm        | 590            |
|          | /min oprodu/  | in        | 23.2           |
|          | Tine Width (single tine)  | mm<br>in  | 180.0<br>7.1   |
|          | Tine Thickness  | mm        | 90.0           |
|          | 1110 1110111000   | in        | 3.5            |
|          | Tine Capacity   | kg        | 14800          |
|          | <u> </u>  |           |                |
|          | Operating Weight  | kg<br>lbs | 46155          |
|          | <u> </u>  | lbs<br>kg | 32619<br>20942 |
|          |   | IDS       | 46155          |



\*Negative values indicate below grade

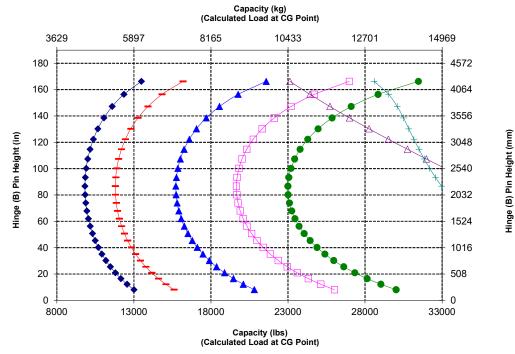


NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

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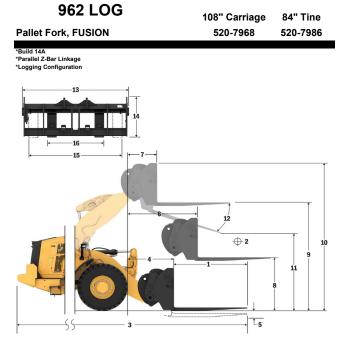
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#### **Fork Specifications**

|    | ik opecilications   |           |               |
|----|---|-----------|---------------|
| 1  | Tine Length   | mm<br>in  | 2134<br>84.0  |
| 2  | Load Center   | mm        | 1067          |
|    | Load Center   | in        | 42.0          |
|    | Static Tipping Load - Straight (Forks Level)                    | kg        | 9938          |
|    |   | lbs       | 21903         |
|    | Static Tipping Load - Articulated (Forks Level)                 | kg<br>lbs | 8486<br>18702 |
|    |   | kg        | 4243          |
|    | Rated Load (SAE J1197 - 50% FTSTL)                              | lbs       | 9351          |
|    | Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)             | kg        | 5091          |
|    | Nated Load (CEN EN 474-3 Rough Terrain - 00 % F131L)            | lbs       | 11221         |
|    | Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)     | ka<br>Ibs | 6789          |
|    | ,   |           | 14962         |
| 3  | Maximum Overall Length  |           | 9861<br>388.2 |
|    |   | in<br>mm  | 1333          |
| 4  | Reach with Forks at Ground Level                                | in        | 52.5          |
| -  | *Ground to Bottom of Tine at Minimum Height and Fork Level      | mm        | -81           |
| 5  | Ground to Bottom of Time at William Fleight and Fork Level      |           | -3.2          |
| 6  | Reach with Arms Horizontal and Forks Level                      | mm        | 1842          |
|    |   | in        | 72.5          |
| 7  | Reach with Fork at Maximum Height                               | mm        | 963           |
|    | <u> </u>  | in<br>mm  | 37.9<br>1874  |
| 8  | Ground to Top of Tine with Arms Horizontal and Fork Level       | in        | 73.8          |
| 9  | Ground to Top of Tine at Maximum Height and Fork Level          | mm        | 4026          |
|    | Ground to Top or Tine at Maximum Height and Fork Level          |           | 158.5         |
| 10 | Overall Height of Fork at Full Lift (top of carriage to ground) | mm        | 5066          |
|    | Overall Height of Fork at Fall Lift (top of barriage to ground) |           | 199.5         |
| 11 | Clearance at Full Lift and Max Dump                             |           | 2019          |
|    | •   | in        | 79.5          |
| 12 | Max Discharge Angle from Horizontal                             | deg       | 52            |
| 13 | Overall Carriage Width  | mm        | 2833          |
|    |   | in        | 111.5<br>1130 |
| 14 | Overall Carriage Height   | mm<br>in  | 44.5          |
|    |   | mm        | 2483          |
| 15 | Outside Tine Width (max spread)                                 | in        | 97.8          |
| 16 | Outside Tine Width (min spread)                                 | mm        | 590           |
| 10 | Outside Title Width (Illin Spread)                              | in        | 23.2          |
|    | Tine Width (single tine)  | mm        | 180.0         |
|    | ( 3 /   | in        | 7.1           |
|    | Tine Thickness  | mm<br>in  | 90.0<br>3.5   |
|    |   | kg        | 12700         |
|    | Tine Capacity   | lbs       | 27991         |
|    | Onerating Weight  | kg        | 21004         |
|    | Operating Weight  | lbs       | 46292         |



\*Negative values indicate below grade

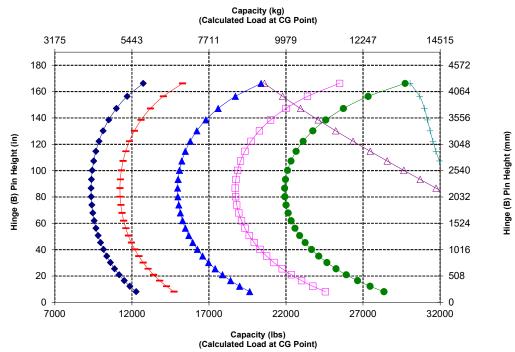


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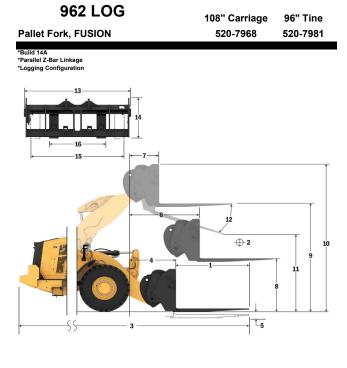
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# **Fork Specifications**

#### **Fork Specifications**



Hinge (B) Pin Height (mm)

\*Negative values indicate below grade

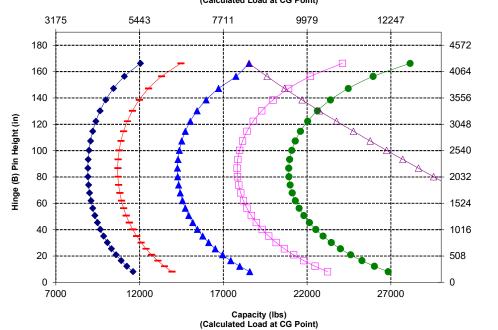




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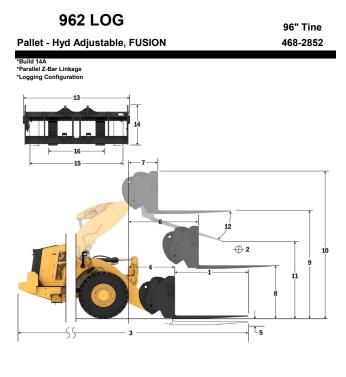
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#### **Fork Specifications**

| 1  | Tine Length   | mm<br>in  | 2438<br>96.0  |
|----|---|-----------|---------------|
| 2  | Load Center   | mm        | 1219          |
| 2  | Load Center   | in        | 48.0          |
|    | Static Tipping Load - Straight (Forks Level)                      | kg        | 9184          |
|    | otatio ripping coda otraight (romo coron)                         | lbs       | 20242         |
|    | Static Tipping Load - Articulated (Forks Level)                   | kg        | 7824          |
| _  | · · · · · · · · · · · · · · · · · · ·                             | lbs<br>kg | 17244<br>3912 |
|    | Rated Load (SAE J1197 - 50% FTSTL)                                | lbs       | 8622          |
|    | D + 11  | kg        | 4694          |
|    | Rated Load (CEN EN 474-3 Rough Terrain - 60% FTSTL)               | lbs       | 10346         |
|    | Rated Load (CEN EN 474-3 Firm and Level Ground - 80% FTSTL)       | kg        | 6259          |
|    | Nated Load (OLIV LIV 474-51 IIIII and Level Olodina - 00 %1 151L) |           | 13795         |
| 3  | Maximum Overall Length  | mm        | 10271         |
| _  | Maximum Overall Length  | in        | 404.4         |
| 4  | Reach with Forks at Ground Level                                  | mm        | 1439          |
| _  |   | in        | 56.7          |
| 5  | *Ground to Bottom of Tine at Minimum Height and Fork Level        | mm        | -91           |
|    |   | in        | -3.6<br>1941  |
| 6  | Reach with Arms Horizontal and Forks Level                        | mm<br>in  | 76.4          |
| _  |   | mm        | 1062          |
| 7  | Reach with Fork at Maximum Height                                 | in        | 41.8          |
|    | 0 11 7 77 71 4 11 1 15 11 1                                       | mm        | 1864          |
| 8  | Ground to Top of Tine with Arms Horizontal and Fork Level         | in        | 73.4          |
| 9  | Ground to Top of Tine at Maximum Height and Fork Level            | mm        | 4016          |
|    | Ground to Top of Title at Maximum Height and Fork Level           |           | 158.1         |
| 10 | Overall Height of Fork at Full Lift (top of carriage to ground)   |           | 5084          |
|    | Overall Fleight of Fork at Fall (top of carriage to ground)       | in        | 200.1         |
| 11 | Clearance at Full Lift and Max Dump                               | mm        | 1705          |
|    | <u>'</u>  | in        | 67.1          |
| 12 | Max Discharge Angle from Horizontal                               | deg       | 52            |
| 13 | Overall Carriage Width  | mm        | 2542          |
|    |   | in        | 100.1         |
| 14 | Overall Carriage Height   | mm        | 1158          |
| _  | <u> </u>  | in<br>mm  | 45.6<br>2312  |
| 15 | Outside Tine Width (max spread)                                   | in        | 91.0          |
|    |   | mm        | 896           |
| 16 | Outside Tine Width (min spread)                                   | in        | 35.3          |
|    | Tine Width (single tine)  | mm        | 180.0         |
|    | Title Width (Single title)  | in        | 7.1           |
|    | Tine Thickness  | mm        | 90.0          |
|    | THE THORICO   | in        | 3.5           |
|    | Tine Capacity   | kg        | 10100         |
|    | * 1 - 7   | lbs       | 22260         |
|    | Operating Weight  | kg        | 21116         |
|    | -1 3 3  | lbs       | 46539         |



\*Negative values indicate below grade

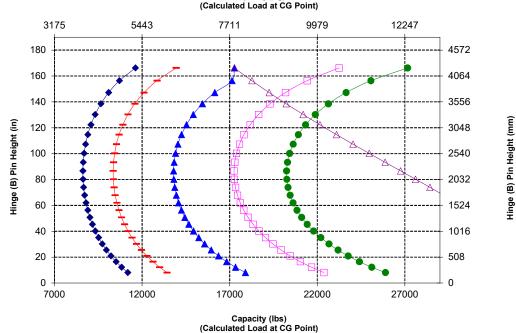


NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3 Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, Fuel Tank, Coolant, Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE\* J1197, ISO 14397-1, CEN\*\* EN 474-3.

The rated operating load for a loader equipped with a pallet fork is determined by: SAE J1197: 50% of full turn static tipping load or hydraulic limit. CEN EN 474-3: 60% of full turn static tipping load on rough terrain or hydraulic limit. CEN EN 474-3: 80% of full turn static tipping load on firm and level ground or hydraulic limit.

\*SAE - Society of Automotive Engineers \*\*CEN - European Committee for Standardization



Capacity (kg)

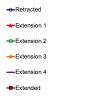


# **Material Handling Specifications**

| MHA Specifications  |        | Retracted | Extension 1 | Extension 2 | Extension 3 | Extension 4 | Extended |
|---|--------|-----------|-------------|-------------|-------------|-------------|----------|
| Max Lift - Hook Eyelet Reach (1, 2, 3, 4, 5, 6)   |        | 2,386     | 2,539       | 2,692       | 2,845       | 2,998       | 3,151    |
|   |        | 7' 9"     | 8' 3"       | 8' 9"       | 9' 4"       | 9' 10"      | 10' 4"   |
| Manual (# 1   Inch   Friedskilleinsk / 7   0   0   40   44   40   | mm     | 6,963     | 7,226       | 7,490       | 7,754       | 8,017       | 8,281    |
| Max Lift - Hook Eyelet Height (7, 8, 9, 10, 11, 12)   |        | 22' 10"   | 23' 8"      | 24' 6"      | 25' 5"      | 26' 3"      | 27' 2"   |
| Lavel Harly Evelst Basel (42, 44, 45, 46, 47, 40)   | mm     | 4,708     | 5,013       | 5,317       | 5,622       | 5,927       | 6,232    |
| Level - Hook Eyelet Reach (13, 14, 15, 16, 17, 18)  |        | 15' 5"    | 16' 5"      | 17' 5"      | 18' 5"      | 19' 5"      | 20' 5"   |
| Lavel Harle Evelet Height (40)  | mm     | 1,839     | 1,839       | 1,839       | 1,839       | 1,839       | 1,839    |
| Level - Hook Eyelet Height (19)   | ft, in | 6' 0.3"   | 6' 0.3"     | 6' 0.3"     | 6' 0.3"     | 6' 0.3"     | 6' 0.3"  |
| Min Lift - Hook Eyelet Reach (20, 21, 22, 23, 24, 25)   | mm     | 2,511     | 2,688       | 2,866       | 3,043       | 3,221       | 3,399    |
| WIII LIπ - HOOK Eyelet Reach (20, 21, 22, 23, 24, 25)   |        | 8' 2"     | 8' 9"       | 9' 4"       | 9' 11"      | 10' 6"      | 11' 1"   |
| Min I if  | mm     | (2,614)   | (2,862)     | (3,109)     | (3,357)     | (3,605)     | (3,852)  |
| Min Lift - Hook Eyelet Height (26, 27, 28, 29, 30, 31)  |        | -8' 5"    | -9' 7"      | -10' 9"     | -11' 11"    | -11' 2"     | -12' 4"  |
| Chatin Timelers I and Charlish  | kg     | 7,068     | 6,692       | 6,353       | 6,045       | 5,766       | 5,510    |
| Static Tipping Load, Straight   |        | 15,578    | 14,748      | 14,001      | 13,324      | 12,708      | 12,144   |
| Chatin Timelers I and Additional | kg     | 6,095     | 5,769       | 5,476       | 5,210       | 4,969       | 4,747    |
| Static Tipping Load, Articulated  |        | 13,432    | 12,715      | 12,069      | 11,484      | 10,951      | 10,463   |
| Operating Weight  |        | 20,214    | 20,214      | 20,214      | 20,214      | 20,214      | 20,214   |
|   |        | 44,551    | 44,551      | 44,551      | 44,551      | 44,551      | 44,551   |

962 LOG

289-9885



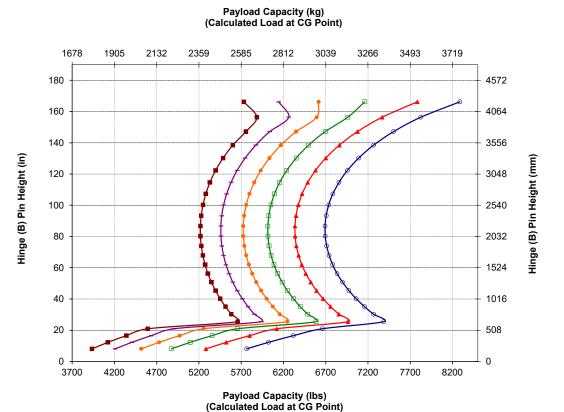
NOTE: Static tipping loads and operating weight are based on the following loader configuration: Bridgestone VJT L3Tires, Air Conditioning, Ride Control, Powertrain Guard, Full Fluids, FuelTank, Coolant, Lubricants, and Operator.

Specifications and ratings conform to the following standards: SAE\* J1197, ISO 14297.1

The rated operating load for a loader equipped with a material handling arm is determined by:

SAE J1197: 50% of full turn static tipping load or hydraulic limit.

\*SAE - Society of Automotive Engineers





# **962** *Corrosion Resistant*

The Cat 962 Wheel Loader Corrosion Resistant package adds real value in protecting your machine investment. An industry-unique factory treatment provides more protection for all machine components that can be affected by corrosive materials. It's designed for improving reliability and durability in demanding corrosive environments such as fertilizer plants, chemical industries, agriculture, saltwater ports, and others.

## **Proven Reliability**

- Cat C7.1 engine offers high power density with a combination of proven electronics, fuel, and air systems.
- Equipped with automatic Cat regeneration system, Cat Clean Emissions Module (CEM) with diesel particulate filter (DPF), and diesel exhaust fluid (DEF) tank and pump.
- Thorough component design and machine validation processes result in unmatched reliability and uptime.

## **Durability**

- Corrosion resistant package includes silicon protection applied to all electrical terminals: alternator, engine starter, engine ground cable, and battery cables to maximize component life.
- Exposed electrical connectors are treated with shrinkable heat tube.
- · Heavy-duty brushless alternator is utilized for increased durability.
- Optional paint protection that is more than two times the thickness of the standard paint. Extra primer coats are applied before the final polyurethane topcoat.

## **Achieve Greater Fuel Efficiency and Productivity**

- Five-speed transmission and lock-up clutch torque converter, powertrains deliver smooth shifting, fast acceleration, and speed on grade for greater performance and fuel efficiency.
- Single clutch and lock-to-lock shifting for faster acceleration and speed on grades.
- Deeply integrated engine, powertrain, and hydraulic systems deliver unmatched productivity and fuel efficiency.

## **Safety Features**

- Rear-vision camera enhances visibility behind the machine, helping you work safely and confidently.
- Cab access with wide door, optional remote door opening, and inclined steps add solid stability.
- Floor-to-ceiling windshield, large mirrors with integrated spot mirrors, and rear-vision camera provide industry leading all-around visibility.
- Monitored seat belt is standard and can be enhanced with an optional exterior indicator.

- Optional multiview (360°) vision system helps the operator monitor the surroundings of the machine at all times.
- Optional Cat Detect radar technology enhances awareness by monitoring the working environment and alerts operators to hazards.
- Optional access light and under-hood service light system to provide illuminated access to the machine and daily checks even in the dark.

#### **Reduced Maintenance Time and Costs**

- Extended fluid and filter change intervals reduce maintenance costs by up to 30%.\*
- Remote Troubleshoot can connect the machine to the dealer service department to help diagnose problems quickly so you can get back to work.
- Remote Flash works around your schedule to ensure your machine's software is up to date for optimal performance.
- One-piece tilting hood makes engine compartment access fast and easy.
- Optional integrated autolube extends component and service life.

#### Work in Comfort in the All New Cab

- Optional powered cabin precleaner filters the incoming air and pressurizes the cab.
- New in-cab dashboard and high-resolution touch display(s) are easy to use, intuitive, and user friendly.
- Sound suppression, seals, and viscous cab mounts decrease noise and vibration for a quieter work environment.
- The seat-mounted electro-hydraulic joystick steering system provides precision control and dramatically reduces arm fatigue, resulting in excellent comfort and accuracy. Standard in North America and optional in all other regions.
- The hydraulic metering unit (HMU) steering wheel provides precision control, resulting in excellent comfort and accuracy. Standard in all regions except North America. Limited optional availability for North America, consult your Cat dealer.

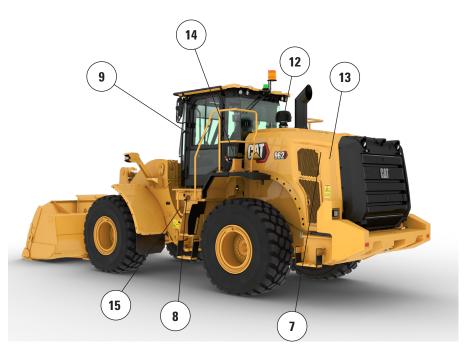
<sup>\*</sup>Parts and fluids only.

# **962 Corrosion Resistant Specifications**

## **962 Corrosion Resistant Features**

- 1. Silicon protection applied to all electric terminals
- 2. Shrinkable heat-tube on exposed electrical connectors
- 3. Zerust vapor capsules in electrical compartments
- 4. Grease points on hood articulation pins
- Optional corrosion resistant cooling package:
   E-coated cooling cores, heavy-duty latch, and greaseable hinges
- 6. Optional hydraulic system protection that includes silicone sealant and heat shrinkable tubing over the couplings





- 7. Heavy-duty brushless alternator
- 8. Sealed disconnect switch
- 9. Grease points on the cab door hinges
- 10. Additional coats of paint. Extra primer coats are applied before the final polyurethane topcoat
- 11. Varnish protection applied to under hood components
- 12. Optional turbine precleaner
- 13. Optional variable pitch fan
- 14. Optional autolube system
- 15. Anti-corrosion transmission fill cover

For more complete information on Cat products, dealer services, and industry solutions, visit us on the web at www.cat.com.

Materials and specifications are subject to change without notice. Featured machines in photos may include additional equipment. See your Cat dealer for available options.

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AEXQ3580-00 (4-2023) Build Number: 14A (N Am, Europe, Aus-NZ, Chile, Turkey)

