

D8 Track-Type Tractor

Technical Specifications

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

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D8 Track-Type Tractor Specifications

| Engine | | | | |
|--------------------------|--------------------------|---------------------|--|--|
| Engine Model | Cat [®] C15 | | | |
| Emissions | Brazil MAR-1, China | | | |
| | Nonroad S emission st | - | | |
| | | to U.S. EPA | | |
| | Tier 3/EU | Stage IIIA, or | | |
| | emits equiv | alent to China | | |
| | Nonroad S | tage II/U.S. | | |
| | EPA Tier 2/EU Stage II | | | |
| Build Number | 19B | | | |
| Engine Power (1,900 rpm) | | | | |
| ISO 9249/SAE J1349 | 242 kW | 325 hp | | |
| ISO 9249 (DIN) | 328 mhp | | | |
| Engine Power (1,600 rpm) | | | | |
| ISO 14396 | 269 kW | 361 hp | | |
| ISO 14396 (DIN) | 365 mhp | | | |
| Bore | 137 mm | 5.4 in | | |
| Stroke | 172 mm | 6.8 in | | |
| Displacement | 15.2 L | 928 in ³ | | |
| Biofuel Capability | Up to B100 |)1 | | |
| | | | | |

• Net power advertised is the power available at the flywheel when the engine is equipped with fan, air cleaner, muffler, and alternator.

- Advertised power is tested per the specified standard in effect at the time of manufacture.
- No derating required up to 3658 m (12,000 ft) altitude, beyond 3658 m (12,000 ft) automatic derating occurs.

¹Cat engines are compatible with the following renewable, alternative, and biodiesel* fuels that reduce greenhouse gases on a lifecycle basis:

- ✓ Up to B20 biodiesel (FAME) **
- \checkmark Up to 100% HVO and GTL renewable fuels

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

**B30, where mandated, can be used. For use of higher blends, up to B100, consult your Cat dealer.

**Up to B100 capable when equipped with optional B100compliant fuel lines. Please consult the Operations and Maintenance Manual (OMM) for further information.

Service Refill Capacities

| Fuel Tank | 600 L | 158.3 gal |
|-------------------------|--------|-----------|
| Cooling System | 62 L | 16.4 gal |
| Engine Crankcase* | 38 L | 10 gal |
| Power Train | 155 L | 40.9 gal |
| Final Drives (each) | 12.5 L | 3.3 gal |
| Roller Frames (each) | 65 L | 17.2 gal |
| Pivot Shaft Compartment | 40 L | 10.6 gal |
| | | |

*With oil filters.

Tronomionio

Hydraulic Controls

| Pump Type | Piston-type, v displacement | |
|-------------------------------------|--------------------------------|--------------|
| Pump Output (steering) | 276 L/min | 71.8 gal/min |
| Pump Output (implement) | 232 L/min | 60.3 gal/min |
| Tilt Cylinder Rod End Flow | 130 L/min | 33.8 gal/min |
| Tilt Cylinder Head End Flow | 170 L/min | 44.2 gal/min |
| Bulldozer Relief Valve Setting | 24 100 kPa | 3,495.3 psi |
| Tilt Cylinder Relief Valve Setting | 24 100 kPa | 3,495.3 psi |
| Ripper (lift) Relief Valve Setting | 24 100 kPa | 3,495.3 psi |
| Ripper (pitch) Relief Valve Setting | 24 100 kPa | 3,495.3 psi |
| Steering | 39 200 kPa | 5,685.3 psi |

| Iransmission | | |
|----------------------------------|------------|---------------|
| 1 Forward | 3.4 km/hr | 2.1 mph |
| 2 Forward | 6.1 km/hr | 3.8 mph |
| 3 Forward | 10.6 km/hr | 6.6 mph |
| 1 Reverse | 4.5 km/hr | 2.8 mph |
| 2 Reverse | 8 km/hr | 5.0 mph |
| 3 Reverse | 14.2 km/hr | 8.8 mph |
| 1 Forward – Drawbar Pull (1,000) | 650.7 kN | 146,283.2 lbf |
| 2 Forward – Drawbar Pull (1,000) | 356.9 kN | 80,234.3 lbf |
| 3 Forward – Drawbar Pull (1,000) | 191.8 kN | 43,118.3 lbf |
| | | |



D8 Track-Type Tractor Specifications

D8

| | • | | |
|---|--|--------------------|-----------------------|
| | Operating Weight | 38 834 kg | 85,614 lb |
| | Shipping Weight | 30 036 kg | 66,218 lb |
| | Ground Pressure (ISO 16754) | 88.2 kPa | 12.8 psi |
| | Shoe Type | Extreme | e Service |
| | Width of Standard Track Shoe | 610 mm | 24 in |
| | Shoes/Side | 4 | 4 |
| | Track Rollers per Side | 8 | 8 |
| | Carrier Rollers per Side | 1 (opt | ional) |
| | Ground Contact Area (ISO 16754) | 4.3 m ² | 6,696 in ² |
| 1 | Track Gauge | 2082 mm | 82 in |
| 2 | Width of Tractor (without trunnions) | 2743 mm | 108 in |
| 3 | Machine Height from Tip of Grouser to Exhaust Stack | 3452 mm | 135.9 in |
| | To Top of Cab | 3503 mm | 137.9 in |
| 4 | Length of Track on Ground | 3206 mm | 126.2 in |
| 5 | Length of Basic Tractor | 4647 mm | 183 in |
| | With the following attachments add: | | |
| | Single Shank Ripper (with tip at ground line) | 1519 mm | 59.8 in |
| | Multi-Shank Ripper (with tip at ground line) | 1613 mm | 63.5 in |
| | Drawbar | 406 mm | 16 in |
| | SU Blade | 1904 mm | 75 in |
| | U Blade | 2241 mm | 88.2 in |
| | A Blade (straight) | 2027 mm | 79.8 in |
| | A Blade (angled 25 degrees) | 3068 mm | 120.8 in |
| | Pitch | 216 mm | 8.5 in |
| 6 | Grouser Height | 84 mm | 3.3 in |
| 7 | Ground Clearance | 622 mm | 24.5 in |
| | | | |





• Operating Weight - Standard: Includes hydraulic controls, blade, tilt cylinder, coolant, lubricants, 100% fuel, ROPS, FOPS cab, SU-Blade, Single-Shank Ripper, 610 mm (24 in) Extreme Service shoes, and operator.

• Shipping Weight - Standard: Includes coolant, lubricants, 20% fuel, ROPS, FOPS cab. Standard includes 610 mm (24 in) Extreme Service shoes.

Blades

| | | | Width over | | | Ground | Maximum | Blade |
|---------------------------------------|-----------------------------------|-------------|-------------|------------|------------|-------------|------------|---------------|
| Blades | Capacity | Width | End Bits | Height | Dig Depth | Clearance | Tilt | Weight* |
| | m ³ (yd ³) | mm (ft) | mm (ft) | mm (ft) | mm (in) | mm (in) | mm (in) | kg (lb) |
| Semi-Universal (SU) | 10.3 (13.4) | 3900 (12.8) | 4042 (13.3) | 1747 (5.7) | 573 (22.6) | 1255 (49.4) | 895 (35.2) | 4407 (9,716) |
| SU with Rock Guard, Wear Plate | 10.3 (13.4) | 3900 (12.8) | 4042 (13.3) | 2017 (6.6) | 573 (22.6) | 1255 (49.4) | 895 (35.2) | 4998 (11,019) |
| SU with Push Plate | 10.3 (13.4) | 3900 (12.8) | 4042 (13.3) | 1747 (5.7) | 573 (22.6) | 1255 (49.4) | 895 (35.2) | 4655 (10,263) |
| SU with Performance Cutting Edges | 10.3 (13.4) | 3900 (12.8) | 3962 (13) | 1747 (5.7) | 573 (22.6) | 1255 (49.4) | 895 (35.2) | 4547 (10,024) |
| SU with Rock Guard, Performance | | | | | | | | |
| Cutting Edges | 10.3 (13.4) | 3900 (12.8) | 3962 (13) | 2017 (6.6) | 573 (22.6) | 1255 (49.4) | 895 (35.2) | 5130 (11,310) |
| Universal | 11.8 (15.4) | 4123 (13.5) | 4265 (14) | 1732 (5.7) | 573 (22.6) | 1230 (48.4) | 968 (38.1) | 4895 (10,792) |
| Universal with Rock Guard, Wear Plate | 11.8 (15.4) | 4123 (13.5) | 4265 (14) | 2012 (6.6) | 573 (22.6) | 1230 (48.4) | 968 (38.1) | 5454 (12,024) |
| Angle Blade | 5.2 (6.8) | 4531 (14.9) | 5043 (16.5) | 1177 (3.9) | 625 (24.6) | 1323 (52.1) | 733 (28.9) | 5121 (11,289) |

D8 LGP Track-Type Tractor Specifications

D8 LGP

| DULUI | | |
|---|--------------------|------------------------|
| Operating Weight | 37 525 kg | 82,728 lb |
| Shipping Weight | 31 268 kg | 68,934 lb |
| Ground Pressure (ISO 16754) | 52.3 kPa | 7.6 psi |
| Shoe Type | Extreme | Service |
| Width of Standard Track Shoe | 965 mm | 38 in |
| Shoes/Side | 44 | ŀ |
| Track Rollers per Side | 8 | |
| Carrier Rollers per Side | 1 (opti | onal) |
| Ground Contact Area (ISO 16754) | 6.8 m ² | 10,594 in ² |
| 1 Track Gauge | 2337 mm | 92 in |
| 2 Width of Tractor (without trunnions) | 3311 mm | 130.4 in |
| 3 Machine Height from Tip of Grouser to Exhaust Stack | 3452 mm | 135.9 in |
| To Top of Cab | 3503 mm | 137.9 in |
| 4 Length of Track on Ground | 3207 mm | 126.3 in |
| 5 Length of Basic Tractor | 4647mm | 183 in |
| With the following attachments add: | | |
| Single Shank Ripper (with tip at ground line) | 1519 mm | 59.8 in |
| Multi-Shank Ripper (with tip at ground line) | 1613 mm | 63.5 in |
| Drawbar | 406 mm | 16 in |
| SU Blade | 1844 mm | 72.6 in |
| Pitch | 216 mm | 8.5 in |
| 6 Grouser Height | 84 mm | 3.3 in |
| 7 Ground Clearance | 622 mm | 24.5 in |
| | | |





Note: Standard configuration shown.

- Operating Weight LGP: Includes hydraulic controls, blade, tilt cylinder, drawbar, coolant, lubricants, 100% fuel, ROPS, FOPS cab, SU-Blade, 965 mm (38 in) Extreme Service shoes, and operator.
- Shipping Weight LGP: Includes coolant, lubricants, 20% fuel, ROPS, FOPS cab, 965 mm (38 in) Extreme Service shoes.

| Blades | | | | | | | | |
|-------------------------|-----------------------------------|-------------|------------------------|------------|-------------|---------------------|-----------------|------------------|
| Blades | Capacity | Width | Width over End Bits | Height | Dig Depth | Ground Clearance | Maximum Tilt | Blade Weight* |
| | m ³ (yd ³) | mm (ft) | mm (ft) | mm (ft) | mm (in) | mm (in) | mm (in) | kg (lb) |
| LGP Semi-Universal (SU) | 9.9 (12.9) | 4402 (14.4) | 4543 (14.9) | 1622 (5.3) | 575 (22.64) | 1228 (48.4) | 859 (33.8) | 4703 (10,368) |
| LGP Angle | 5.6 (7.3) | 5041 (16.5) | 5553 (18.2) | 1177 (3.9) | 625 (24.61) | 1323 (52.1) | 657 (25.9) | 5714 (12,597) |

D8 Desert/High Abrasion Specifications

D8 Desert/High Abrasion

| | Operating Weight | 39 153 kg | 86,316 lb |
|---|--|--------------------|-----------------------|
| | Shipping Weight | 30 355 kg | 66,920 lb |
| | Ground Pressure (ISO 16754) | 88.2 kPa | 12.8 psi |
| | Shoe Type | Extreme | Service |
| | Width of Standard Track Shoe | 610 mm | 24 in |
| | Shoes/Side | 44 | ł |
| | Track Rollers per Side | 8 | |
| | Carrier Rollers per Side | 1 (opti | onal) |
| | Ground Contact Area (ISO 16754) | 4.3 m ² | 6,696 in ² |
| 1 | Track Gauge | 2082 mm | 982 in |
| 2 | Width of Tractor (without trunnions) | 2743 mm | 130.4 in |
| 3 | Machine Height from Tip of Grouser to Exhaust Stack | 3452 mm | 135.9 in |
| | To Top of Cab | 3503 mm | 137.9 in |
| 4 | Length of Track on Ground | 3206 mm | 126.3 in |
| 5 | Length of Basic Tractor | 4647 mm | 183 in |
| | With the following attachments add: | | |
| | Single Shank Ripper (with tip at ground line) | 1519 mm | 59.8 |
| | Multi-Shank Ripper (with tip at ground line) | 1613 mm | 63.5 |
| | Drawbar | 406 mm | 16 in |
| | SU Blade | 1904 mm | 75 in |
| | U Blade | 2241 mm | 88.2 in |
| | A Blade (straight) | 2027 mm | 79.8 in |
| | A Blade (angled 25 degrees) | 3068 mm | 120.8 in |
| | Pitch | 216 mm | 8.5 in |
| 6 | Grouser Height | 84 mm | 3.3 in |
| 7 | Ground Clearance | 622 mm | 24.5 in |





Note: Standard configuration shown.

• Operating Weight: Includes hydraulic controls, blade, tilt cylinder, coolant, lubricants, 100% fuel, ROPS, FOPS cab, SU-Blade, Single-Shank Ripper, 610 mm (24 in) Extreme Service shoes, carrier rollers and operator.

• Shipping Weight: Includes coolant, lubricants, 20% fuel, ROPS, FOPS cab, 610 mm (24 in) Extreme Service shoes and carrier rollers.

| Blades | | | | | | | | |
|--|-----------------------------------|-------------|------------------------|------------|------------|---------------------|-----------------|------------------|
| Blades | Capacity | Width | Width over End Bits | Height | Dig Depth | Ground Clearance | Maximum Tilt | Blade Weight* |
| | m ³ (yd ³) | mm (ft) | mm (ft) | mm (ft) | mm (in) | mm (in) | mm (in) | kg (lb) |
| Semi-Universal (SU) | 10.3 (13.4) | 3900 (12.8) | 4042 (13.3) | 1747 (5.7) | 573 (22.6) | 1255 (49.4) | 895 (35.2) | 4407 (9,716) |
| SU with Rock Guard, Wear Plate | 10.3 (13.4) | 3900 (12.8) | 4042 (13.3) | 2017 (6.6) | 573 (22.6) | 1255 (49.4) | 895 (35.2) | 4998 (11,019) |
| SU with Push Plate | 10.3 (13.4) | 3900 (12.8) | 4042 (13.3) | 1747 (5.7) | 573 (22.6) | 1255 (49.4) | 895 (35.2) | 4655 (10,263) |
| SU with Performance Cutting Edges | 10.3 (13.4) | 3900 (12.8) | 3962 (13) | 1747 (5.7) | 573 (22.6) | 1255 (49.4) | 895 (35.2) | 4547 (10,024) |
| SU with Rock Guard, Performance Cutting Edges | 10.3 (13.4) | 3900 (12.8) | 3962 (13) | 2017 (6.6) | 573 (22.6) | 1255 (49.4) | 895 (35.2) | 5130 (11,310) |
| Universal | 11.8 (15.4) | 4123 (13.5) | 4265 (14) | 1732 (5.7) | 573 (22.6) | 1230 (48.4) | 968 (38.1) | 4895 (10,792) |
| Universal with Rock Guard, Wear Plate | 11.8 (15.4) | 4123 (13.5) | 4265 (14) | 2012 (6.6) | 573 (22.6) | 1230 (48.4) | 968 (38.1) | 5454 (12,024) |
| Angle Blade | 5.2 (6.8) | 4531 (14.9) | 5043 (16.5) | 1177 (3.9) | 625 (24.6) | 1323 (52.1) | 733 (28.9) | 5121 (11,289) |

D8 LGP Desert/High Abrasion Specifications

D8 LGP Desert/High Abrasion

| | · · · · · · · · · · · | | |
|---|-------------------------------------|--------------------|------------------------|
| | Operating Weight | 37 844 kg | 82,728 lb |
| | Shipping Weight | 31 587 kg | 68,934 lb |
| | Ground Pressure (ISO 16754) | 52.3 kPa | 7.6 psi |
| | Shoe Type | Extreme | Service |
| | Width of Standard Track Shoe | 965 mm | 38 in |
| | Shoes/Side | 44 | 1 |
| | Track Rollers per Side | 8 | |
| | Carrier Rollers per Side | 1 (opti | onal) |
| | Ground Contact Area (ISO 16754) | 6.8 m ² | 10,594 in ² |
| 1 | Track Gauge | 2337 mm | 92 in |
| 2 | Width of Tractor | 3311 mm | 130.4 in |
| | (without trunnions) | | |
| 3 | Machine Height from Tip of | 3452 mm | 135.9 in |
| | Grouser to Exhaust Stack | | |
| | To Top of Cab | 3503 mm | 137.9 in |
| 4 | Length of Track on Ground | 3207 mm | 126.3 in |
| 5 | Length of Basic Tractor | 4647 mm | 183 in |
| | With the following attachments add: | | |
| | Single Shank Ripper | 1519 mm | 59.8 in |
| | (with tip at ground line) | | |
| | Multi-Shank Ripper | 1613 mm | 63.5 in |
| | (with tip at ground line) | | |
| | Drawbar | 406 mm | 16 in |
| | SU Blade | 1844 mm | 72.6 in |
| | Pitch | 216 mm | 8.5 in |
| 6 | Grouser Height | 84 mm | 3.3 in |
| 7 | Ground Clearance | 622 mm | 24.5 in |





Note: Standard configuration shown.

- Operating Weight LGP: Includes hydraulic controls, blade, tilt cylinder, drawbar, coolant, lubricants, 100% fuel, ROPS, FOPS cab, SU-Blade, 965 mm (38 in) Extreme Service shoes, carrier rollers, blast grid and operator.
- Shipping Weight LGP: Includes coolant, lubricants, 20% fuel, ROPS, FOPS cab, 965 mm (38 in) Extreme Service shoes, carrier rollers and blast grid.

| Blades | | | | | | | | |
|-------------------------|-----------------------------------|-------------|------------------------|------------|-------------|---------------------|-----------------|------------------|
| Blades | Capacity | Width | Width over End Bits | Height | Dig Depth | Ground Clearance | Maximum Tilt | Blade Weight* |
| | m ³ (yd ³) | mm (ft) | mm (ft) | mm (ft) | mm (in) | mm (in) | mm (in) | kg (lb) |
| LGP Semi-Universal (SU) | 9.9 (12.9) | 4402 (14.4) | 4543 (14.9) | 1622 (5.3) | 575 (22.64) | 1228 (48.4) | 859 (33.8) | 4703 (10,368) |
| LGP Angle | 5.6 (7.3) | 5041 (16.5) | 5553 (18.2) | 1177 (3.9) | 625 (24.61) | 1323 (52.1) | 657 (25.9) | 5714 (12,597) |

D8 Track-Type Tractor Specifications

Track Shoes

| Track Shoes | 560 mm | 610 mm | 660 mm | 700 mm | 710 mm | 965 mm |
|-----------------------------------|--------------|--------------|--------------|--------------|--------------|--------------|
| Positive Pin Retention Rack | (22 in) | (24 in) | (26 in) | (27.5 in) | (28 in) | (38 in) |
| Moderate Service | | \checkmark | | | \checkmark | √ |
| Extreme Service | \checkmark | \checkmark | \checkmark | | \checkmark | \checkmark |
| Extreme Service Trapezoidal | \checkmark | \checkmark | \checkmark | \checkmark | | \checkmark |
| Super Extreme Service Trapezoidal | | | \checkmark | | | - |

Rippers Single-Shank, Adjustable Parallelogram Number of Pockets 1 Added Length 1692 mm 66.6 in Maximum Clearance Raised (under tip, pinned in bottom hole) 636 mm 25 in Maximum Penetration (standard tip) 1130 mm 44.5 in Maximum Penetration Force (shank vertical) 129.8 kN 29,180.2 lbf Maximum Penetration Force with optional push block 142.7 kN 32,080.2 lbf (1095 kg/4398 lb) Pry out Force 224.9 kN 50.559.5 lbf Pry out Force with optional push block (1095 kg/4398 lb) 213.5 kN 47,996.7 lbf Weight (without hydraulic controls) 4085 kg 9.005.9 lb Weight – optional push block 1095 kg 2,414.1 lb Multi-Shank, Adjustable Parallelogram Number of Pockets 3 Added Length 1598 mm 62.9 in Overall Beam Width 2464 mm 97 in Maximum Clearance Raised (under tip, pinned in bottom hole) 593 mm 23.3 in Maximum Penetration (standard tip) 30.7 in 780 mm Maximum Penetration Force (shank vertical) 124.2 kN 27,921.3 lbf Pry out Force (multi-shank ripper with one tooth) 227.9 kN 5,1234 lbf Weight (one shank, without hydraulic controls) 4877 kN 10,751.9 lb Weight - additional shank 332 kN 731.9 lb

Standards

- ROPS (Rollover Protective Structure) offered by Caterpillar for the machine meets ROPS criteria ISO 3471:2008.
- FOPS (Falling Object Protective Structure) meets ISO 3449:2005 Level II.

Sound Level Information

Hearing protection may be needed when the machine is operated with an open operator station, in a noisy environment, with a cab that is not properly maintained, or when the doors and windows are open for extended periods of time.

| Sound Level | Test Method | |
|--------------------------------|-------------|------------------------------|
| Or anot on Sound Dressure Land | 83 dB(A) | IIISO (20(-2008)) (1) |
| Operator Sound Pressure Level | 81 dB(A)* | "ISO 6396:2008" (1) |
| Exterior Sound Power Level | 117 dB(A) | "ISO 6395:2008" (2) |
| Exterior Sound Fower Level | 113 dB(A)* | "ISO 6395:1988" (2) |

* For machines required to meet applicable regional regulations of Ukraine and countries that adopt the "EU Directives"; or machines equipped with the sound-suppression package.

(1) The measurement was conducted at 70% of the maximum engine cooling fan speed. The sound level may vary at different engine cooling fan speeds. The measurement was conducted with the cab doors and the cab windows closed. The cab was properly installed and maintained.

(2) The measurement was conducted at 70% of the maximum engine cooling fan speed. The sound level may vary at different engine cooling fan speeds.

The sound levels listed above include both measurement uncertainty and uncertainty due to production variation.

D8 Specialty Configurations

Choose from a variety of factory options to equip your dozer for the challenges of working in the harshest applications.

Desert/High Abrasion

- Desert engine package
- Turbine precleaner
- Ducted alternator
- ROPS mounted air conditioner
- Solid-bottom engine enclosure doors
- Coated radiator fan and radiator core protection
- Reversing function is disabled on the hydraulic demand fan
- · Heavy duty desert sealed bottom guard with access panels for cleanout
- Desert seals sound suppression and debris protection
- High ambient lubricant
- Replaceable blade wear plates

Extreme/Arctic Cold

- Arctic cab with dual pane glass
- Cold weather undercarriage
- Cold weather carrier rollers
- Arctic final drives
- Arctic lubricant
- Arctic engine coolant (-51C)
- Heated/ventilated seat
- Solid engine enclosure
- Ether starting aid
- Engine coolant heater (240V)
- Hydraulically driven reversing fan
- 150 amp heavy duty alternator
- Heavy duty starter

Forestry/Land Clearing

- Sweeps
- Screens
- Muffler with thermal shield
- Guarded undercarriage
- Grill debris guard
- Heavy duty bottom guard
- Fuel tank guard
- Front striker bars

Standard and Optional Equipment

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

| | Standard | Optional | | Standard | Optiona |
|--|--------------|--------------|---|--------------|--------------|
| POWER TRAIN | | | OPERATOR ENVIRONMENT | | |
| Cat C15 diesel engine (Equivalent to China Nonroad | \checkmark | | Cab – Integrated ROPS/FOPS operator station | \checkmark | |
| Stage II/U.S. EPA Tier 2/EU Stage II) | | | Cold weather cab | | ✓ |
| Cat C15 diesel engine | \checkmark | | Cloth seat | ✓ | |
| (Brazil MAR-1, China Nonroad Stage III, equivalent to U.S. EPA Tier 3/EU | | | Vinyl seat | | ✓ |
| Stage IIIA) | | | Cloth seat, heated and ventilated | | \checkmark |
| Cat C15 diesel engine – desert | | ✓ | Adjustable armrest | \checkmark | |
| (Equivalent to China Nonroad Stage | | | Retractable seatbelt – 76 mm (3 in) | √ | |
| II/U.S. EPA Tier 2/EU Stage II) | | | Differential steering tiller-bar | \checkmark | |
| Cat C15 diesel engine – sound suppressed (Brazil MAR-1, China Nonroad Stage | | \checkmark | dual twist control | | |
| III, equivalent to U.S. EPA Tier 3/EU | | | Heater and air conditioning | ✓ | |
| Stage IIIA) | | | Electronic monitoring system: | \checkmark | |
| Air cleaner – precleaner with strata tube | \checkmark | | hydraulic temperature, powertrain temperature, engine coolant temperature, | | |
| dust ejector | | | fuel level, engine speed/tachometer, | | |
| Air-to-Air Aftercooler (ATAAC) | \checkmark | | service hour meter | | |
| Radiator fan | \checkmark | | Rear vision camera | | \checkmark |
| Coated radiator fan | | ✓ | Rear view mirror | \checkmark | |
| Radiator core | \checkmark | | Decelerator pedal | \checkmark | |
| Electric fuel priming pump | \checkmark | | Dash footpads | \checkmark | |
| Electronic parking brake | \checkmark | | Glove box | \checkmark | |
| Electronically controlled powershift transmission | \checkmark | | System warning lamps | \checkmark | |
| Extended life coolant | ✓ | | Wipers | \checkmark | |
| | ✓ | | Lunchbox storage | \checkmark | |
| Four planet double-reduction planetary final drives | v | | Standard operator arrangement | \checkmark | |
| Final drives – cold weather | | ✓ | Quick opening operator arrangement | | \checkmark |
| Final drives – guarded | | ✓ | 5th percentile operator arrangement | | \checkmark |
| Final drives – LGP | | \checkmark | MACHINE CONTROL | | |
| Hydraulically driven reversing fan | \checkmark | | Single tilt | \checkmark | |
| Muffler with mitered stack | \checkmark | | Dual tilt | | \checkmark |
| Muffler with thermal shield | | \checkmark | Pilot hydraulics | \checkmark | |
| Prescreener | ✓ | | E/H hydraulics | | \checkmark |
| Precleaner | ✓ | | TECHNOLOGY PRODUCTS | | |
| Turbine precleaner | | ✓ | Product Link Cellular | \checkmark | |
| Turbine precleaner with screen | | ✓ | Product Link Satellite or Dual Mode | | \checkmark |
| Torque divider | ✓ | | Attachment Ready Option (ARO) | | \checkmark |
| Turbocharger | \checkmark | | Grade with Slope Assist | | \checkmark |
| Water separator | \checkmark | | Compatibility with radios and base stations from Trimble, Topcon, and Leica | \checkmark | |
| | | | | | |

Capability to install 3D grade systems

from Trimble, Topcon, and Leica

√

Standard and Optional Equipment (continued)

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

| | Standard | Optional | | Standard | Option |
|---|--------------|--------------|---|--------------|--------------|
| HYDRAULICS | | | SERVICE AND MAINTENANCE | | |
| Independent steering and implement | \checkmark | | Oil drain | \checkmark | |
| hydraulic pumps | | | High speed oil change system | | ✓ |
| Load sensing hydraulics – lift and tilt | ✓ | | Fast fill fuel system | | √ |
| Pilot Rear Hydraulics | \checkmark | | Fast fill fuel system (ripper mounted) | | √ |
| E/H Rear Hydraulics | | ✓ | Fuel lines – B100 compliant (required for | | \checkmark |
| JNDERCARRIAGE | , | | Indonesia) | | |
| Standard Gauge | \checkmark | | High Capacity Fuel Tank – includes B100 compliant fuel lines | | \checkmark |
| Low Ground Pressure (LGP) | | \checkmark | Standard lubricant | ✓ | |
| Suspended Heavy Duty undercarriage | \checkmark | | High ambient lubricant | • | √ |
| Suspended Heavy Duty undercarriage – Waste | | ✓ | Arctic lubricant | | |
| Suspended Heavy Duty undercarriage – Cold Weather | | \checkmark | Engine coolant (-37C) | 1 | v |
| Sealed and lubricated track: 44 sections | ✓ | | Engine coolant (-57C) Engine coolant arctic (-51C) | ✓ | |
| with two-piece master links | · | | Powertrain ecology drains | | √ |
| Heavy Duty, Positive Pin Retention | \checkmark | | Engine coolant heater 240V | | |
| (PPR) Track | | | S·O·S sM sampling ports | | v |
| 560 mm (22 in) Extreme Service | | \checkmark | Vandalism protection for fluid | <u>√</u> | |
| 560 mm (22 in) Extreme Service Trapezoidal | | \checkmark | compartments and battery box | \checkmark | |
| 610 mm (24 in) Moderate Service | \checkmark | | Engine enclosures | ✓ | |
| 610 mm (24 in) Extreme Service | | \checkmark | Ground level service center with | ✓ | |
| 610 mm (24 in) Extreme Service Trapezoidal | | \checkmark | remote electrical disconnect, secondary | · | |
| 610 mm (24 in) Super Extreme Service | | \checkmark | shutdown switch and hour meter | | |
| 660 mm (26 in) Moderate Service | | \checkmark | Hydraulic oil cooler | \checkmark | |
| 660 mm (26 in) Extreme Service | | \checkmark | Cat exclusive power train and hydraulic oil filters with extended service intervals | \checkmark | |
| 660 mm (26 in) Extreme Service Trapezoidal | | \checkmark | Front pull device | | |
| 660 mm (26 in) Super Extreme Service Trapezoidal | | \checkmark | ELECTRICAL | √ | |
| 710 mm (28 in) Moderate Service | | \checkmark | Back-up alarm | \checkmark | |
| 710 mm (28 in) Extreme Service | | \checkmark | Diagnostic connector | \checkmark | |
| 710 mm (28 in) Moderate Service | | \checkmark | Forward warning horn | \checkmark | |
| Trapezoidal | | | Lights – 6 | \checkmark | |
| 710 mm (28 in) Extreme Service | | \checkmark | Lights – 10 LED | | \checkmark |
| Trapezoidal | | | Lights – 8 (for Sweeps) | | \checkmark |
| 965 mm (38 in) Moderate Service | | ✓ | Underhood work light | | \checkmark |
| 965 mm (38 in) Extreme Service | | | STARTERS, BATTERIES AND ALTERNATORS | | |
| 965 mm (38 in) Extreme Service Trapezoidal | | ✓ | 150 Amp alternator | \checkmark | |
| End track guiding guards | \checkmark | | 150 Amp ducted alternator | | \checkmark |
| Equalizer bar | \checkmark | | Ether starting aid | | ✓ |
| Hydraulic track adjusters | \checkmark | | Two maintenance-free heavy duty 12V | \checkmark | |
| Lifetime lubricated idlers | \checkmark | | batteries (1400 CCA) (24V system) | | |
| Lifetime lubricated track rollers | \checkmark | | Auxiliary starting receptacle | ✓ | |
| Replaceable sprocket rim segments | \checkmark | | Heavy duty 24V starter | \checkmark | |
| No carrier rollers | \checkmark | | | | |
| Carrier rollers, standard gauge | | \checkmark | | | |

Standard and Optional Equipment (continued)

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

| | Standard | Optional |
|--|--------------|--------------|
| UARDING AND SEALS | | |
| Fan debris guard | | \checkmark |
| Grill debris guard | | \checkmark |
| Hinged bottom guards | \checkmark | |
| Bottom guards, sealed | | \checkmark |
| Bottom guards, powered | | ~ |
| Bottom guards, heavy duty sound suppressed | | \checkmark |
| Bottom guards, heavy duty, front counterweight | | \checkmark |
| Bottom guards, heavy duty desert | | \checkmark |
| Fuel tank guard (with striker box) | | \checkmark |
| Fuel tank guard (without striker box) | | \checkmark |
| Fuel tank guard, high capacity (without striker box) | | \checkmark |
| Sweeps | | \checkmark |
| Rear screen | | \checkmark |
| Front striker bars | | \checkmark |
| Sound suppression seals | | \checkmark |
| Desert seals | | \checkmark |
| Waste handling seals | | \checkmark |
| Push arm grab handles | | \checkmark |
| ULLDOZERS | | |
| Lift cylinders | | ✓ |
| SU/U single tilt | | ~ |
| SU/U single tilt guarded | | \checkmark |
| SU/U dual tilt guarded | | ✓ |
| Angle blade | | ~ |
| LGP SU single tilt | | ~ |
| LGP single tilt guarded | | ~ |
| LGP dual tilt guarded | | \checkmark |
| LGP, Angle blade | | ~ |
| SU/U single tilt with Slope Assist | | \checkmark |
| SU/U single tilt with Slope Assist, guarded | | ~ |
| LGP Angle blade with Slope Assist | | √ |
| LGP SU single tilt with Slope Assist | | √ |
| LGP SU single tilt with Slope Assist, guarded | | \checkmark |
| Angle blade with Slope Assist | | √ |

| | Standard | Optional |
|---|--------------|--------------|
| BLADES | | |
| Semi-Universal | | √ |
| Semi-Universal, ARO | | √ |
| Semi-Universal with push plate, ARO | | ✓ |
| Semi-Universal with rock guard | | √ |
| and wear plate, ARO | | |
| Universal, ARO | | ✓ |
| Universal rock guard and wear plate, ARO | | \checkmark |
| Semi-Universal LGP, ARO | | \checkmark |
| Angle | | \checkmark |
| Angle LGP | | \checkmark |
| Semi-Universal Landfill with wear plate, ARO | | \checkmark |
| Universal Landfill with wear plate, ARO | | \checkmark |
| Semi-Universal LGP Landfill with wear plate, ARO | | √ |
| REAR ATTACHMENTS | | |
| Single shank ripper | | \checkmark |
| Single shank ripper with pin puller | | \checkmark |
| Single shank ripper with pin puller and striker bar | | √ |
| Single shank ripper with striker bar | | \checkmark |
| Single shank ripper with push block | | \checkmark |
| Single shank ripper with pin puller, remote grease (Indonesia only) | | \checkmark |
| Multi-shank ripper | | \checkmark |
| Multi-shank ripper with striker bar | | ✓ |
| Multi-shank ripper tooth | | \checkmark |
| Single shank ripper tooth | | \checkmark |
| Single shank deep ripper tooth | | \checkmark |
| Rigid drawbar | | \checkmark |
| Rear counterweight | | \checkmark |
| Additional counterweight (drawbar) | | \checkmark |
| Additional counterweight (striker box) | | \checkmark |
| Rear striker bar box | | \checkmark |
| No rear attachment | \checkmark | |
| Winch – dealer installed, please consult with your Cat dealer for options | | \checkmark |
| SPECIAL ARRANGEMENTS | | |
| Waste Handler | | \checkmark |

Note: Choose from factory options to equip your dozer for work in desert/high abrasion conditions, extreme/arctic cold or forestry/land clearing.



From pushing trash to spreading cover, and cell construction to closing, Cat Waste Handlers are designed and manufactured from the frame up to take on the demands of landfill work. Specialized guarding throughout the machine helps protect major components like the chassis, fuel tank and hydraulic tank from impact and airborne debris.

Added Machine Protection

- Fuel tank guard and heavy duty bottom guards shield major machine components.
- Internal sealing keeps the trash away from the inner compartments.
- Heavy duty hinged radiator grill doors protect radiator and fan from penetration by material coming straight in or from under the blade.
- Thermal shields provide added protection in high debris applications.
- Rear striker bar helps protect against trash climbing up the tracks.
- Final drive guarding helps prevent wire wrap and helps keep dirt and debris away from seals.
- Rotating bushings on tilt cylinder lines help wrapping material to roll off hoses.
- 10 premium LED lights illuminate the work area.

Ease of Maintenance

- Air conditioning condenser and fans mounted on the back of the ROPS, away from debris for better cooling performance and to help prevent plugging.
- Heavy duty sealed bottom guard is hinged for easy cleaning.
- Quick access cab floor option offers toolless access to the floor plate opening.
- Ducted alternator for longer life.
- Engine turbine precleaner with screen delivers cleaner air to the power train.

Equipped for the Job

- Landfill blades are equipped with a trash rack to increase productive capacity when machine works in lighter material like waste.
- Wear plate helps extend blade life.
- Guarded undercarriage helps prevent debris such as wire, string or plastic bags from wrapping into seals.
- Trapezoidal center-hole track helps eject debris.



D8 Waste Handler Specifications

| Engine | | | |
|--------------------------|---|---------------------|--|
| Engine Model | Cat C15 | | |
| Emissions | Brazil MAR-1, China Nonroad Stage III emission standards, equivalent to U.S. EPA Tier 3/EU Stage IIIA, or emits equivalent to China Nonroad Stage II/U.S. EPA Tier 2/EU Stage II | | |
| Build Number | 19B | | |
| Engine Power (1,900 rpm) | | | |
| ISO 9249/SAE J1349 | 242 kW | 325 hp | |
| ISO 9249 (DIN) | 328 mhp | | |
| Engine Power (1,600 rpm) | | | |
| ISO 14396 | 269 kW | 361 hp | |
| ISO 14396 (DIN) | 365 mhp | | |
| Bore | 137 mm | 5.4 in | |
| Stroke | 172 mm | 6.8 in | |
| Displacement | 15.2 L | 928 in ³ | |
| Biofuel Capability | Up to B100 |)1 | |

• Net power advertised is the power available at the flywheel when the engine is equipped with fan, air cleaner, muffler, and alternator.

- Advertised power is tested per the specified standard in effect at the time of manufacture.
- No derating required up to 3658 m (12,000 ft) altitude, beyond 3658 m (12,000 ft) automatic derating occurs.

¹Cat engines are compatible with the following renewable, alternative, and biodiesel* fuels that reduce greenhouse gases on a lifecycle basis:

- ✓ Up to B20 biodiesel (FAME) **
- \checkmark Up to 100% HVO and GTL renewable fuels

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

**B30, where mandated, can be used. For use of higher blends, up to B100, consult your Cat dealer.

**Up to B100 capable when equipped with optional B100compliant fuel lines. Please consult the Operations and Maintenance Manual (OMM) for further information.

Service Refill Capacities

| Fuel Tank | 600 L | 158.3 gal |
|-------------------------|--------|-----------|
| Cooling System | 62 L | 16.4 gal |
| Engine Crankcase* | 38 L | 10 gal |
| Power Train | 155 L | 40.9 gal |
| Final Drives (each) | 12.5 L | 3.3 gal |
| Roller Frames (each) | 65 L | 17.2 gal |
| Pivot Shaft Compartment | 40 L | 10.6 gal |
| | | |

*With oil filters.

Hydraulic Controls

| Pump Type | Piston-type, variable displ | acement |
|-------------------------------------|--------------------------------|--------------|
| Pump Output (steering) | 276 L/min | 71.8 gal/min |
| Pump Output (implement) | 232 L/min | 60.3 gal/min |
| Tilt Cylinder Rod End Flow | 130 L/min | 33.8 gal/min |
| Tilt Cylinder Head End Flow | 170 L/min | 44.2 gal/min |
| Bulldozer Relief Valve Setting | 24 100 kPa | 3,495.3 psi |
| Tilt Cylinder Relief Valve Setting | 24 100 kPa | 3,495.3 psi |
| Ripper (lift) Relief Valve Setting | 24 100 kPa | 3,495.3 psi |
| Ripper (pitch) Relief Valve Setting | 24 100 kPa | 3,495.3 psi |
| Steering | 39 200 kPa | 5,685.3 psi |

Transmission

| 1 Forward | 3.4 km/hr | 2.1 mph |
|----------------------------------|------------|---------------|
| 2 Forward | 6.1 km/hr | 3.8 mph |
| 3 Forward | 10.6 km/hr | 6.6 mph |
| 1 Reverse | 4.5 km/hr | 2.8 mph |
| 2 Reverse | 8 km/hr | 5.0 mph |
| 3 Reverse | 14.2 km/hr | 8.8 mph |
| 1 Forward – Drawbar Pull (1,000) | 650.7 kN | 146,283.2 lbf |
| 2 Forward – Drawbar Pull (1,000) | 356.9 kN | 80,234.3 lbf |
| 3 Forward – Drawbar Pull (1,000) | 191.8 kN | 43,118.3 lbf |
| | | |



D8 Waste Handler

| Operating Weight | 38 621 kg | 85,122 lb |
|--|---|--|
| Shipping Weight | 29 823 kg | 65,726 lb |
| Ground Pressure (ISO 16754) | 88.2 kPa | 12.8 psi |
| Shoe Type | Extreme | Service |
| Width of Standard Track Shoe | 610 mm | 24 in |
| Shoes/Side | 44 | |
| Track Rollers per Side | 8 | |
| Ground Contact Area (ISO 16754) | 4.3 m ² | 6,696 in ² |
| Track Gauge | 2082 mm | 82 in |
| Width of Tractor (without trunnions) | 2743 mm | 108 in |
| Machine Height from Tip of Grouser to Exhaust Stack | 3452 mm | 135.9 in |
| To Top of Cab | 3503 mm | 137.9 in |
| Length of Track on Ground | 3206 mm | 126.2 in |
| Length of Basic Tractor | 4647 mm | 183 in |
| With the following attachments add: | | |
| Single Shank Ripper (with tip at ground line) | 1519 mm | 59.8 in |
| Multi-Shank Ripper (with tip at ground line) | 1613 mm | 63.5 in |
| Drawbar | 406 mm | 16 in |
| SU Blade | 1904 mm | 75 in |
| U Blade | 2241 mm | 88.2 in |
| Pitch | 216 mm | 8.5 in |
| Grouser Height | 84 mm | 3.3 in |
| Ground Clearance | 622 mm | 24.5 in |
| | Shipping Weight Ground Pressure (ISO 16754) Shoe Type Width of Standard Track Shoe Shoes/Side Track Rollers per Side Ground Contact Area (ISO 16754) Track Gauge Width of Tractor (without trunnions) Machine Height from Tip of Grouser to Exhaust Stack To Top of Cab Length of Track on Ground Length of Basic Tractor With the following attachments add: Single Shank Ripper (with tip at ground line) Multi-Shank Ripper (with tip at ground line) Drawbar SU Blade U Blade | Shipping Weight29 823 kgGround Pressure (ISO 16754)88.2 kPaShoe TypeExtremeWidth of Standard Track Shoe610 mmShoes/Side44Track Rollers per Side8Ground Contact Area (ISO 16754)4.3 m²Track Gauge2082 mmWidth of Tractor2743 mm(without trunnions)Machine Height from Tip of3452 mmGrouser to Exhaust Stack3503 mmLength of Track on Ground3206 mmLength of Basic Tractor4647 mmWith the following attachments add:Single Shank Ripper1519 mm(with tip at ground line)Multi-Shank Ripper1613 mm(with tip at ground line)406 mmSU Blade1904 mmU Blade2241 mmPitch216 mmGrouser Height84 mm |





Note: Standard configuration shown.

• Operating Weight: Includes hydraulic controls, tilt cylinder, coolant, lubricants, 100% fuel, ROPS, FOPS cab, Waste Package, Waste SU-Blade, striker box, 610 mm (24 in) Extreme Service shoes and operator.

• Shipping Weight: Includes hydraulic controls, coolant, lubricants, 20% fuel, ROPS, FOPS cab, Waste Package, striker box, 610 mm (24 in) Extreme Service shoes.

Blades

| Blades | Semi-Unive | rsal Landfill | Universal Landfill | | |
|------------------------------------|---------------------|----------------------|---------------------|----------------------|--|
| Capacity | 21.2 m ³ | 27.8 yd ³ | 23.4 m ³ | 30.6 yd ³ | |
| Width* | 3900 mm | 12.8 ft | 4123 mm | 13.5 ft | |
| Width over End Bits | 4042 mm | 13.3 ft | 4265 mm | 14 ft | |
| Height | 2553 mm | 8.4 ft | 2544 mm | 8.3 ft | |
| Digging Depth | 573 mm | 22.6 in | 573 mm | 22.6 in | |
| Ground Clearance | 1255 mm | 49.4 in | 1230 mm | 48.4 in | |
| Maximum Tilt | 895 mm | 35.2 in | 968 mm | 38.1 in | |
| Weight* without hydraulic controls | 5251 kg | 11,576 lb | 5840 kg | 12,876 lb | |

D8 LGP Waste Handler Specifications

D8 LGP Waste Handler

| Operating Weight | 37 312 kg | 82,236 lb |
|--|--|--|
| Shipping Weight | 31 055 kg | 68,442 lb |
| Ground Pressure (ISO 16754) | 52.3 kPa | 7.6 psi |
| Shoe Type | Extreme | Service |
| Width of Standard Track Shoe | 965 mm | 38 in |
| Shoes/Side | 44 | ļ. |
| Track Rollers per Side | 8 | |
| Ground Contact Area (ISO 16754) | 6.8 m ² | 10,594 in ² |
| Track Gauge | 2337 mm | 92 in |
| Width of Tractor (without trunnions) | 3311 mm | 130.4 in |
| Machine Height from Tip of Grouser to Exhaust Stack | 3452 mm | 135.9 in |
| To Top of Cab | 3503 mm | 137.9 in |
| Length of Track on Ground | 3207 mm | 126.3 in |
| Length of Basic Tractor | 4647mm | 183 in |
| With the following attachments add: | | |
| Single Shank Ripper (with tip at ground line) | 1519 mm | 59.8 in |
| Multi-Shank Ripper (with tip at ground line) | 1613 mm | 63.5 in |
| Drawbar | 406 mm | 16 in |
| SU Blade | 1844 mm | 72.6 in |
| Pitch | 216 mm | 8.5 in |
| Grouser Height | 84 mm | 3.3 in |
| Ground Clearance | 622 mm | 24.5 in |
| | Shipping WeightGround Pressure (ISO 16754)Shoe TypeWidth of Standard Track ShoeShoes/SideTrack Rollers per SideGround Contact Area (ISO 16754)Track GaugeWidth of Tractor (without trunnions)Machine Height from Tip of Grouser to Exhaust Stack To Top of CabLength of Track on Ground Length of Basic TractorWith the following attachments add: Single Shank Ripper (with tip at ground line)Multi-Shank Ripper (with tip at ground line)Drawbar SU Blade | Shipping Weight31 055 kgGround Pressure (ISO 16754)52.3 kPaShoe TypeExtremeWidth of Standard Track Shoe965 mmShoes/Side44Track Rollers per Side8Ground Contact Area (ISO 16754)6.8 m²Track Gauge2337 mmWidth of Tractor (without3311 mmtrunnions)3452 mmMachine Height from Tip of3452 mmGrouser to Exhaust Stack3503 mmLength of Track on Ground3207 mmLength of Basic Tractor4647mmWith the following attachments add:Single Shank RipperNulti-Shank Ripper1613 mm(with tip at ground line)1613 mmDrawbar406 mmSU Blade1844 mmPitch216 mmGrouser Height84 mm |





Note: Standard configuration shown.

• Operating Weight: Includes hydraulic controls, tilt cylinder, coolant, lubricants, 100% fuel, ROPS, FOPS cab, Waste Package, Waste LGP SU-Blade, striker box, 965 mm (38 in) Extreme Service shoes and operator.

• Shipping Weight: Includes coolant, lubricants, 20% fuel, ROPS, FOPS cab, Waste Package, striker box, 965 mm (38 in) Extreme Service shoes.

Blades

| Landfill Blades | LGP Semi-Universal Landfill | | |
|------------------------------------|-----------------------------|--------------------|--|
| Capacity | 22.2 m ³ | 29 yd ³ | |
| Width* | 4402 mm | 14.4 ft | |
| Width over End Bits | 4543 mm | 14.9 ft | |
| Height | 2454 mm | 8 ft | |
| Digging Depth | 575 mm | 22.6 in | |
| Ground Clearance | 1228 mm | 48.4 in | |
| Maximum Tilt | 859 mm | 33.8 in | |
| Weight* without hydraulic controls | 5062 kg | 11,159 lb | |

D8 Waste Handler Specifications

Track Shoes

| Track Shoes | 560 mm | 610 mm | 660 mm | 700 mm | 710 mm | 965 mm |
|-----------------------------------|--------------|--------------|--------------|-----------|--------------|--------------|
| Positive Pin Retention Rack | (22 in) | (24 in) | (26 in) | (27.5 in) | (28 in) | (38 in) |
| Moderate Service | | \checkmark | | | \checkmark | \checkmark |
| Extreme Service | \checkmark | \checkmark | \checkmark | | \checkmark | \checkmark |
| Extreme Service Trapezoidal | * | * | * | * | | * |
| Super Extreme Service Trapezoidal | | | \checkmark | | | |

✓ Available for Waste Handlers

* Recommended for Waste Handlers

Rippers

| Single-Shank, Adjustable Parallelogram | | |
|---|----------|--------------|
| Number of Pockets | | 1 |
| Added Length | 1692 mm | 66.6 in |
| Maximum Clearance Raised (under tip, pinned in bottom hole) | 636 mm | 25 in |
| Maximum Penetration (standard tip) | 1130 mm | 44.5 in |
| Maximum Penetration Force (shank vertical) | 129.8 kN | 29,180.2 lbf |
| Maximum Penetration Force with optional push block (1095 kg/4398 lb) | 142.7 kN | 32,080.2 lbf |
| Pry out Force | 224.9 kN | 50,559.5 lbf |
| Pry out Force with optional push block (1095 kg/4398 lb) | 213.5 kN | 47,996.7 lbf |
| Weight (without hydraulic controls) | 4085 kg | 9,005.9 lb |
| Weight – Optional Push Block | 1095 kg | 2,414.1 lb |

| | 3 |
|----------|--|
| 1598 mm | 62.9 in |
| 2464 mm | 97 in |
| 593 mm | 23.3 in |
| 780 mm | 30.7 in |
| 124.2 kN | 27,921.3 lbf |
| 227.9 kN | 51,234 lbf |
| 4877 kN | 10,751.9 lb |
| 332 kN | 731.9 lb |
| | 2464 mm 593 mm 780 mm 124.2 kN 227.9 kN 4877 kN |

Standards

- ROPS (Rollover Protective Structure) offered by Caterpillar for the machine meets ROPS criteria ISO 3471:2008.
- FOPS (Falling Object Protective Structure) meets ISO 3449:2005 Level II.

Sound Level Information

Hearing protection may be needed when the machine is operated with an open operator station, in a noisy environment, with a cab that is not properly maintained, or when the doors and windows are open for extended periods of time.

| Sound Level | Test Method | |
|-------------------------------|-----------------------|---------------------|
| Operator Sound Pressure Level | 83 dB(A) 81 dB(A)* | "ISO 6396:2008" (1) |
| | 117 dB(A) | "ISO 6395:2008" (2) |
| Exterior Sound Power Level | 113 dB(A)* | "ISO 6395:1988" (2) |

* For machines required to meet applicable regional regulations of Ukraine and countries that adopt the "EU Directives"; or machines equipped with the sound-suppression package.

(1) The measurement was conducted at 70% of the maximum engine cooling fan speed. The sound level may vary at different engine cooling fan speeds. The measurement was conducted with the cab doors and the cab windows closed. The cab was properly installed and maintained.

(2) The measurement was conducted at 70% of the maximum engine cooling fan speed. The sound level may vary at different engine cooling fan speeds.

The sound levels listed above include both measurement uncertainty and uncertainty due to production variation.

Standard and Optional Equipment

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

| | Standard | Optional | | Standard | Optional |
|--|--------------|--------------|--|--------------|--------------|
| POWER TRAIN | | | OPERATOR ENVIRONMENT | | - |
| Cat C15 diesel engine (Brazil MAR-1, China Nonroad Stage III, equivalent to | ~ | | Cab-Integrated ROPS/FOPS operator station | ✓ | |
| U.S. EPA Tier 3/EU Stage IIIA) | | | Cold weather cab | | \checkmark |
| Cat C15 diesel engine – sound suppressed | | \checkmark | Cloth seat | \checkmark | |
| (Brazil MAR-1, China Nonroad Stage III, equivalent to U.S. EPA Tier 3/EU | | | Vinyl seat | | \checkmark |
| Stage IIIA) | | | Cloth seat, heated and ventilated | | \checkmark |
| Air cleaner – precleaner with strata tube | \checkmark | | Adjustable armrest | \checkmark | |
| dust ejector | | | Retractable seatbelt – 76 mm (3 in) | \checkmark | |
| Air-to-Air Aftercooler (ATAAC) | \checkmark | | Differential steering tiller-bar | \checkmark | |
| Radiator fan | \checkmark | | dual twist control | | |
| Coated radiator fan | | \checkmark | Heater and air conditioning | \checkmark | |
| Radiator core | \checkmark | | Electronic monitoring system: | \checkmark | |
| Electric fuel priming pump | \checkmark | | hydraulic temperature, powertrain temperature, engine coolant temperature, | | |
| Electronic parking brake | ✓ | | fuel level, engine speed/tachometer, | | |
| Electronically controlled powershift | \checkmark | | service hour meter | | |
| transmission | | | Rear vision camera | | \checkmark |
| Extended life coolant | ✓ | | Rear view mirror | \checkmark | |
| Four planet double-reduction planetary final drives | \checkmark | | Decelerator pedal | ✓ | |
| Final drives – guarded | + | | Dash footpads | ✓ | |
| Hydraulically driven reversing fan | ✓ | | Glove box | √ | |
| Muffler with mitered stack | ✓ | | System warning lamps | \checkmark | |
| Muffler with thermal shield | + | | Wipers | \checkmark | |
| Prescreener | √ | | Lunchbox storage | \checkmark | |
| Precleaner | ✓ | | Quick opening operator arrangement | + | |
| Turbine precleaner with screen | + | | MACHINE CONTROL | | |
| Torque divider | √ | | Single tilt | \checkmark | |
| Turbocharger | √ | | Dual tilt | | \checkmark |
| Water separator | ✓ | | Pilot hydraulics | ✓ | |
| | | | E/H hydraulics | | \checkmark |
| | | | TECHNOLOGY PRODUCTS | | |
| | | | | | |

Product Link Cellular

Grade with Slope Assist

Product Link Satellite or Dual Mode

Attachment Ready Option (ARO)

Compatibility with radios and base

from Trimble, Topcon, and Leica

stations from Trimble, Topcon, and Leica Capability to install 3D grade systems

+ Included in Waste Handler package

√

1

√

√

✓

√

Standard and Optional Equipment (continued)

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

| | Standard | Optional | | Standard | Optiona |
|--|--------------|--------------|---|--------------|--------------|
| HYDRAULICS | | | SERVICE AND MAINTENANCE | | |
| Independent steering and implement | \checkmark | | Oil drain | \checkmark | |
| hydraulic pumps | | | High speed oil change system | | ✓ |
| Load sensing hydraulics - lift and tilt | √ | | Fast fill fuel system | | ✓ |
| UNDERCARRIAGE | | | Fast fill fuel system (ripper mounted) | | \checkmark |
| Standard gauge | \checkmark | | Fuel lines – B100 compliant (required for | | \checkmark |
| Low Ground Pressure (LGP) | | v | Indonesia) | | |
| Suspended Heavy Duty undercarriage – Waste | + | | High Capacity Fuel Tank - includes B100 compliant fuel lines | | \checkmark |
| Sealed and lubricated track: 44 sections | \checkmark | | Standard lubricant | \checkmark | |
| with two-piece master links | ✓ | | High ambient lubricant | | \checkmark |
| Heavy Duty, Positive Pin Retention (PPR) Track | V | | Arctic lubricant | | ~ |
| 560 mm (22 in) Extreme Service | | \checkmark | Engine coolant (-37C) | \checkmark | |
| 560 mm (22 in) Extreme Service Trapezoidal | | * | Engine coolant arctic (-51C) | | \checkmark |
| 610 mm (24 in) Moderate Service | √ | | Powertrain ecology drains | | ✓ |
| 610 mm (24 in) Extreme Service | | ✓ | Engine coolant heater 240V | | \checkmark |
| 610 mm (24 in) Extreme Service Trapezoidal | | * | S·O·S sampling ports | \checkmark | |
| 610 mm (24 in) Super Extreme Service | | \checkmark | Vandalism protection for fluid compartments and battery box | \checkmark | |
| 660 mm (26 in) Moderate Service | | \checkmark | Engine enclosures | ✓ | |
| 660 mm (26 in) Extreme Service | | \checkmark | Ground level service center with | | |
| 660 mm (26 in) Extreme Service Trapezoidal | | * | remote electrical disconnect, secondary | v | |
| 660 mm (26 in) Super Extreme Service Trapezoidal | | \checkmark | shutdown switch and hour meter Hydraulic oil cooler | ✓ | |
| 710 mm (28 in) Moderate Service | | \checkmark | Cat exclusive power train and hydraulic | | |
| 710 mm (28 in) Extreme Service | | \checkmark | oil filters with extended service intervals | · | |
| 710 mm (28 in) Moderate Service | | \checkmark | Front pull device | ✓ | |
| Trapezoidal | | | ELECTRICAL | | |
| 710 mm (28 in) Extreme Service | | * | Back-up alarm | \checkmark | |
| Trapezoidal | | | Diagnostic connector | \checkmark | |
| 965 mm (38 in) Moderate Service | | ✓ | Forward warning horn | \checkmark | |
| 965 mm (38 in) Extreme Service | | ✓ | Lights – 6 | \checkmark | |
| 965 mm (38 in) Extreme Service Trapezoidal | | * | Lights – 10 LED | | * |
| End track guiding guards | √ | | Lights – 8 (for Sweeps) | | \checkmark |
| Equalizer bar | √ | | Underhood work light | | \checkmark |
| Hydraulic track adjusters | √ | | STARTERS, BATTERIES AND ALTERNATORS | | |
| Lifetime lubricated idlers | \checkmark | | 150 Amp ducted alternator | + | |
| Lifetime lubricated track rollers | \checkmark | | Ether starting aid | | \checkmark |
| Replaceable sprocket rim segments No carrier rollers | ✓ + | | Two maintenance-free heavy duty 12V batteries (1400 CCA) (24V system) | \checkmark | |
| * Recommended | | | Auxiliary starting receptacle | √ | |

Heavy duty 24V starter

✓

* Recommended

+ Included in Waste Handler package

Standard and Optional Equipment (continued)

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

| | Standard | Optional |
|--|--------------|--------------|
| GUARDING AND SEALS | | |
| Fan debris guard | | \checkmark |
| Grill debris guard | | \checkmark |
| Hinged bottom guards | \checkmark | |
| Bottom guards, sealed | + | |
| Bottom guards, powered | | \checkmark |
| Bottom guards, heavy duty sound suppressed | + | |
| Bottom guards, heavy duty, front counterweight | + | |
| Fuel tank guard (with striker box) | + | |
| Fuel tank guard (without striker box) | + | |
| Fuel tank guard, high capacity (without striker box) | | \checkmark |
| Sweeps | | \checkmark |
| Rear screen | | \checkmark |
| Front striker bars | | * |
| Sound suppression seals | | \checkmark |
| Waste handling seals | + | |
| Push arm grab handles | | \checkmark |
| BULLDOZERS | | |
| Lift cylinders | | \checkmark |
| SU/U single tilt | | \checkmark |
| SU/U single tilt guarded | | * |
| SU/U dual tilt guarded | | * |
| LGP SU single tilt | | \checkmark |
| LGP single tilt, guarded | | * |
| LGP dual tilt, guarded | | * |
| SU/U single tilt with Slope Assist | | √ |
| SU/U single tilt with Slope Assist, guarded | | \checkmark |
| LGP SU single tilt with Slope Assist | | \checkmark |
| LGP SU single tilt with Slope Assist, guarded | | \checkmark |

* Recommended

+ Included in Waste Handler package

| | Standard | Optional |
|--|----------|--------------|
| BLADES | | |
| Semi-Universal Landfill with wear plate, ARO | | * |
| Universal Landfill with wear plate, ARO | | * |
| Semi-Universal LGP Landfill with wear plate, ARO | | * |
| Semi-Universal | | \checkmark |
| Semi-Universal, ARO | | \checkmark |
| Semi-Universal with push plate, ARO | | \checkmark |
| Semi-Universal with rock guard and wear plate, ARO | | \checkmark |
| Semi-Universal LGP, ARO | | \checkmark |
| Universal, ARO | | \checkmark |
| Universal rock guard and wear plate, ARO | | \checkmark |
| REAR ATTACHMENTS | | |
| Single shank ripper | | \checkmark |
| Single shank ripper with pin puller | | \checkmark |
| Single shank ripper with pin puller and striker bar | | \checkmark |
| Single shank ripper with striker bar | | \checkmark |
| Single shank ripper with push block | | \checkmark |
| Single shank ripper with pin puller, remote grease (Indonesia only) | | \checkmark |
| Multi-shank ripper | | \checkmark |
| Multi-shank ripper with striker bar | | * |
| Multi-shank ripper tooth | | \checkmark |
| Single shank ripper tooth | | \checkmark |
| Single shank deep ripper tooth | | \checkmark |
| Rigid drawbar | | \checkmark |
| Rear counterweight | | \checkmark |
| Additional counterweight (drawbar) | | \checkmark |
| Additional counterweight (striker box) | | \checkmark |
| Rear striker bar box | | * |
| No rear attachment | ✓ | |
| Winch – dealer installed, please consult with your Cat dealer for options | | \checkmark |

with your Cat dealer for options

For more complete information on Cat products, dealer services, and industry solutions, visit us on the web at **www.cat.com**

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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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AEXQ3483-00 (01-2022) Build Number: 19B (Afr-ME, Aus-NZ, Eurasia, HK, India, Indonesia, S Am, SE Asia, Taiwan, Thailand, Turkey)

