# **160/ 160 AVD**Motor Graders



#### **Operator Station**

Industry leading cab design gives you unmatched comfort, visibility and ease of use, so your operators can be more confident and productive.

#### Structures, Drawbar, Circle and Moldboard

Durable structures with fast and simple DCM adjustments save you service time. Shims and wear strips save you money and make it easy to maintain factory tightness of components for better grading results.

#### **Hydraulics**

Load sensing, proportional hydraulics mean operators can rely on consistent power. This precise, predictable implement response will save time and help assure quality work.

#### **Integrated Technologies**

Grade control and machine monitoring technologies help you improve grading efficiency and enhance fleet management for improved machine utilization.

#### Safety

The safety of your operators and those on the job site is key in the design of every Cat<sup>®</sup> machine. Features like outstanding visibility, hydraulic lockout and redundant steering and braking systems help you meet your goals of getting everyone home safely at the end of each work day.

#### All Wheel Drive (AWD)

If you work in soft underfoot conditions where traction can be a challenge, optional All Wheel Drive (AWD) can give you the additional power to the ground you need to work more efficiently in mud, gravel, sand or snow. The added traction helps reduce sliding on side slopes.



| Engine                               |            |                     |
|--------------------------------------|------------|---------------------|
| Engine Model*                        | Cat C9     |                     |
| Base Power (1st gear) – Net          | 159 kW     | 213 hp              |
| Base Power (1st gear) – Net (Metric) |            | 216 hp              |
| VHP Plus Range – Net                 | 159-185 kW | 213-248 hp          |
| VHP Plus Range – Net (Metric)        |            | 216-251 hp          |
| Displacement                         | 8.8 L      | 537 in <sup>3</sup> |
| Bore                                 | 112 mm     | 4.4 in              |
| Stroke                               | 149 mm     | 5.9 in              |
| Torque Rise (VHP Plus)               | 40%        |                     |
| Maximum Torque (VHP Plus)            | 1237 N·m   | 912 lb-ft           |
| Speed @ Rated Power                  | 2,000 rpm  |                     |
| Number of Cylinders                  | 6          |                     |
| Derating Altitude                    | 3048 m     | 10,000 ft           |
| Standard – Fan Speed                 |            |                     |
| Maximum                              | 1,450 rpm  |                     |
| Minimum                              | 600 rpm    |                     |
| Standard – Ambient Capability        | 43° C      | 109° F              |
| High Ambient – Fan Speed             |            |                     |
| Maximum                              | 1,650 rpm  |                     |
| Minimum                              | 600 rpm    |                     |
| High Ambient Capability              | 50° C      | 122° F              |

• Maximum torque (VHP Plus) measured at 1,000 rpm.

• Net power is tested per ISO 9249, SAE J1349, and EEC 80/1269 Standards in effect at the time of manufacture.

• Net power advertised is the power available at rated speed of 2,000 rpm, measured at the flywheel when engine is equipped with fan running at minimum speed, air cleaner, muffler and alternator.

- Power as declared per ISO 14396 Rated Speed = 2,000 rpm VHP Plus = 186 kW (249 hp)
- No engine derating required up to 3048 m (10,000 ft).
- \* Note: Emits equivalent to U.S. EPA Tier 3 or EU Stage IIIA.

#### Engine – AWD Model

| 0                                    |            |                     |
|--------------------------------------|------------|---------------------|
| Engine Model*                        | Cat C9     |                     |
| Base Power (1st gear, AWD off) – Net | 159 kW     | 213 hp              |
| Base Power (1st gear) – Net (Metric) |            | 216 hp              |
| VHP Plus Range – Net                 | 159-200 kW | 213-268 hp          |
| VHP Plus Range – Net (Metric)        |            | 216-272 hp          |
| Displacement                         | 8.8 L      | 537 in <sup>3</sup> |
| Bore                                 | 112 mm     | 4.4 in              |
| Stroke                               | 149 mm     | 5.9 in              |
| Torque Rise (VHP Plus)               | 40%        |                     |
| Maximum Torque (AWD on)              | 1344 N·m   | 991 lb-ft           |
| Speed @ Rated Power                  | 2,000 rpm  |                     |
| Number of Cylinders                  | 6          |                     |
| Derating Altitude                    | 3048 m     | 10,000 ft           |
| High Ambient – Fan Speed             |            |                     |
| Maximum                              | 1,650 rpm  |                     |
| Minimum                              | 600 rpm    |                     |
| High Ambient Capability              | 50° C      | 122° F              |
|                                      |            |                     |

• Maximum torque (VHP Plus) measured at 1,000 rpm.

• Net power is tested per ISO 9249, SAE J1349, and EEC 80/1269 Standards in effect at the time of manufacture.

• Net power advertised is the power available at rated speed of 2,000 rpm, measured at the flywheel when engine is equipped with fan running at minimum speed, air cleaner, muffler and alternator.

- Power as declared per ISO 14396 Rated Speed = 2,000 rpm AWD = 201 kW (269 hp)
- No engine derating required up to 3048 m (10,000 ft).

\* Note: Emits equivalent to U.S. EPA Tier 3 or EU Stage IIIA.

## 160 Net Power

| 0                  | VHP Plus  | AWD Off                     | AWD On                      |  |
|--------------------|-----------|-----------------------------|-----------------------------|--|
| Gear               | kW (hp)   | kW (hp)                     | kW (hp)                     |  |
| Forward            |           |                             |                             |  |
| 1st                | 159 (213) | 159 (213)                   | 166 (223)                   |  |
| 2nd                | 162 (218) | 162 (218)                   | 177 (238)                   |  |
| 3rd                | 166 (223) | 166 (223)                   | 181 (243)                   |  |
| 4th                | 170 (228) | 170 (228)                   | 185 (248)                   |  |
| 5th                | 174 (233) | 174 (233)                   | 200 (268)                   |  |
| 6th                | 177 (238) | 177 (238)                   | 200 (268)                   |  |
| 7th                | 181 (243) | 181 (243)                   | 200 (268)                   |  |
| 8th                | 185 (248) | 185 (248)                   | 200 (268)                   |  |
| Reverse            |           |                             |                             |  |
| 1st                | 159 (213) | 159 (213)                   | 159 (213)                   |  |
| 2nd                | 162 (218) | 162 (218)                   | 162 (218)                   |  |
| 3rd-6th            | 166 (223) | 166 (223)                   | 166 (223)                   |  |
| Power Train        |           |                             |                             |  |
| Forward/Reverse Ge | ars       | 8 Forward/                  | 6 Reverse                   |  |
| Transmission       |           | Direct drive<br>countershat | e, power shift,<br>ft       |  |
| Brakes             |           |                             |                             |  |
| Service            |           | Multiple oil disc           |                             |  |
| Service, Surface A | rea       | $23\ 000\ cm^2$             | 3,565 in <sup>2</sup>       |  |
| Parking            |           | Multiple oil                | l disc                      |  |
| Secondary          |           | Dual circui                 | Dual circuit control system |  |
| Hydraulic Syste    | m         |                             |                             |  |
| Circuit Type       |           | Electro-hyd<br>sensing, clo |                             |  |
| Pump Type          |           | Variable pis                | ston                        |  |
| Pump Output        |           | 210 L/min                   | 55.7 gal/min                |  |
| Maximum System Pr  | essure    | 24 150 kPa                  | 3,500 psi                   |  |
| Standby Pressure   |           | 3100 kPa                    | 450 psi                     |  |

• Pump output measured at 2,150 rpm.

## **Operating Specifications**

| Top Speed                           |              |             |
|-------------------------------------|--------------|-------------|
| Forward                             | 47.4 km/h    | 29.5 mph    |
| Reverse                             | 37.4 km/h    | 23.3 mph    |
| Turning Radius, Outside Front Tires | 7.6 m        | 24 ft 11 in |
| Steering Range – Left/Right         | 47.5 degrees |             |
| Articulation Angle – Left/Right     | 20 degrees   |             |
| Forward                             |              |             |
| lst                                 | 4.1 km/h     | 2.5 mph     |
| 2nd                                 | 5.6 km/h     | 3.5 mph     |
| 3rd                                 | 8.1 km/h     | 5.0 mph     |
| 4th                                 | 11.2 km/h    | 7.0 mph     |
| 5th                                 | 17.4 km/h    | 10.8 mph    |
| 6th                                 | 23.7 km/h    | 14.7 mph    |
| 7th                                 | 32.6 km/h    | 20.3 mph    |
| 8th                                 | 47.4 km/h    | 29.5 mph    |
| Reverse                             |              |             |
| 1st                                 | 3.3 km/h     | 2.0 mph     |
| 2nd                                 | 6.1 km/h     | 3.8 mph     |
| 3rd                                 | 8.8 km/h     | 5.5 mph     |
| 4th                                 | 13.7 km/h    | 8.5 mph     |
| 5th                                 | 25.7 km/h    | 16.0 mph    |
| 6th                                 | 37.4 km/h    | 23.3 mph    |
| Service Refill                      |              |             |
| Fuel Capacity                       | 416 L        | 110 gal     |
| Cooling System                      | 40.0 L       | 10.6 gal    |
| Hydraulic System – Tank             | 64.0 L       | 16.9 gal    |
| Engine Oil                          | 30.0 L       | 7.9 gal     |
| Trans./Diff./Final Drives           | 65.0 L       | 17.2 gal    |
| Tandem Housing (each)               | 80.0 L       | 21.1 gal    |
| Front Wheel Spindle                 | 0.50 L       | 0.13 gal    |
| Bearing Housing                     |              |             |
| Circle Drive Housing                | 7.0 L        | 1.8 gal     |
|                                     |              |             |

| Frame                      |            |         |
|----------------------------|------------|---------|
| Circle                     |            |         |
| Diameter                   | 1553 mm    | 61.1 in |
| Height                     | 160 mm     | 6.3 in  |
| Blade Beam Thickness       | 40.0 mm    | 1.6 in  |
| Drawbar                    |            |         |
| Height                     | 152 mm     | 6.0 in  |
| Width                      | 76.2 mm    | 3.0 in  |
| Front Frame Structure      |            |         |
| Height                     | 305 mm     | 12.0 in |
| Width                      | 305 mm     | 12.0 in |
| Thickness                  | 16.0 mm    | 0.60 in |
| Front Axle                 |            |         |
| Height to Center           | 571 mm     | 22.5 in |
| Wheel Lean, Left/Right     | 18 degrees |         |
| Total Oscillation Per Side | 32 degrees |         |
| Tandems                    |            |         |
| Height                     | 572 mm     | 22.5 in |
| Width                      | 204 mm     | 8.0 in  |
| Sidewall Thickness         |            |         |
| Inner                      | 25.0 mm    | 1.0 in  |
| Outer                      | 18.0 mm    | 0.70 in |
| Drive Chain Pitch          | 50.8 mm    | 2.0 in  |
| Wheel Axle Spacing         | 1523 mm    | 60.0 in |
| Tandem Oscillation         |            |         |
| Front Up                   | 15 degrees |         |
| Front Down                 | 25 degrees |         |
|                            |            |         |

| Moldboard         |           |           |
|-------------------|-----------|-----------|
| Moldboard         |           |           |
| Width             | 3.7 m     | 12 ft     |
| Height            | 610 mm    | 24.0 in   |
| Thickness         | 22.0 mm   | 0.87 in   |
| Arc Radius        | 413 mm    | 16.3 in   |
| Throat Clearance  | 95.0 mm   | 3.7 in    |
| Cutting Edge      |           |           |
| Width             | 152 mm    | 6.0 in    |
| Thickness         | 16.0 mm   | 0.60 in   |
| End Bit           |           |           |
| Width             | 152 mm    | 6.0 in    |
| Thickness         | 16.0 mm   | 0.60 in   |
| Blade Pull        |           |           |
| Base GVW          | 11 110 kg | 24,494 lt |
| Maximum GVW       | 14 656 kg | 32,310 lb |
| Base GVW (AWD)    | 16 032 kg | 35,344 lt |
| Maximum GVW (AWD) | 21 552 kg | 47,515 lb |
| Down Pressure     |           |           |
| Base GVW          | 7682 kg   | 16,936 lb |
| Maximum GVW       | 13 153 kg | 28,998 lt |
| Base GVW (AWD)    | 8558 kg   | 18,868 lb |
| Maximum GVW (AWD) | 13 153 kg | 28,998 lb |

• Blade pull calculated at 0.9 traction coefficient, which is equal to no-slip conditions, and Gross Machine Weight.

#### **Blade Range**

| · ·                            |            |         |
|--------------------------------|------------|---------|
| Circle Centershift             |            |         |
| Right                          | 728 mm     | 28.7 in |
| Left                           | 695 mm     | 27.4 in |
| Moldboard Sideshift            |            |         |
| Right                          | 950 mm     | 37.4 in |
| Left                           | 820 mm     | 32.3 in |
| Maximum Blade Position Angle   | 90 degrees |         |
| Blade Tip Range                |            |         |
| Forward                        | 40 degrees |         |
| Backward                       | 5 degrees  |         |
| Maximum Shoulder Reach Outside | of Tires   |         |
| Right                          | 2278 mm    | 89.7 in |
| Left                           | 2090 mm    | 82.3 in |
| Maximum Lift Above Ground      | 452 mm     | 17.8 in |
| Maximum Depth of Cut           | 750 mm     | 29.5 in |
|                                |            |         |

| Ripper                                  |           |           |
|---|-----------|-----------|
| Ripping Depth, Maximum                  | 428 mm    | 16.8 in   |
| Ripper Shank Holders                    | 5         |           |
| Ripper Shank Holder Spacing             | 533 mm    | 21.0 in   |
| Penetration Force                       | 9317 kg   | 20,540 lb |
| Pryout Force                            | 11 911 kg | 26,259 lb |
| Machine Length Increase,<br>Beam Raised | 995 mm    | 39.2 in   |

#### **Scarifier**

| Front, V-Type, 5 or 11 Tooth   |         |         |
|--------------------------------|---------|---------|
| Working Width                  | 1205 mm | 47.4 in |
| Scarifying Depth, Maximum      | 467 mm  | 18.4 in |
| Scarifier Shank Holders        | 5/11    |         |
| Scarifier Shank Holder Spacing | 116 mm  | 4.6 in  |
| Mid, V-Type                    |         |         |
| Working Width                  | 1184 mm | 46.6 in |
| Scarifying Depth, Maximum      | 292 mm  | 11.5 in |
| Scarifier Shank Holders        | 11      |         |
| Scarifier Shank Holder Spacing | 116 mm  | 4.6 in  |
| Rear                           |         |         |
| Working Width                  | 2300 mm | 91.0 in |
| Scarifying Depth, Maximum      | 266 mm  | 10.5 in |
| Scarifier Shank Holders        | 9       |         |
| Scarifier Shank Holder Spacing | 267 mm  | 10.5 in |
|                                |         |         |

#### Weights

| weights                             |           |           |
|-------------------------------------|-----------|-----------|
| Gross Vehicle Weight – Base         |           |           |
| Total                               | 16 820 kg | 37,082 lb |
| Front Axle                          | 4475 kg   | 9,867 lb  |
| Rear Axle                           | 12 345 kg | 27,215 lb |
| Gross Vehicle Weight – Maximum      |           |           |
| Total                               | 23 947 kg | 52,794 lb |
| Front Axle                          | 7663 kg   | 16,894 lb |
| Rear Axle                           | 16 284 kg | 35,900 lb |
| Gross Vehicle Weight – Typically Eq | uipped    |           |
| Total                               | 19 715 kg | 43,465 lb |
| Front Axle                          | 5626 kg   | 12,404 lb |
| Rear Axle                           | 14 089 kg | 31,061 lb |
|                                     |           |           |

• Base operating weight on standard machine configuration is calculated with full fuel tank, coolant, lubricants, operator and 17.50R25 tires with multi-piece (MP) rims.

#### Weights – AWD

| Gross Vehicle Weight – Base         |           |           |
|-------------------------------------|-----------|-----------|
| Total                               | 17 813 kg | 39,270 lb |
| Front Axle                          | 4986 kg   | 10,992 lb |
| Rear Axle                           | 12 827 kg | 28,278 lb |
| Gross Vehicle Weight – Maximum      |           |           |
| Total                               | 23 947 kg | 52,794 lb |
| Front Axle                          | 7663 kg   | 16,894 lb |
| Rear Axle                           | 16 284 kg | 35,900 lb |
| Gross Vehicle Weight – Typically Eq | uipped    |           |
| Total                               | 20 607 kg | 45,431 lb |
| Front Axle                          | 6103 kg   | 13,455 lb |
| Rear Axle                           | 14 504 kg | 31,976 lb |
|                                     |           |           |

• Base operating weight on standard machine configuration is calculated with full fuel tank, coolant, lubricants, operator and 14.0R24 tires with multi-piece (MP) rims.

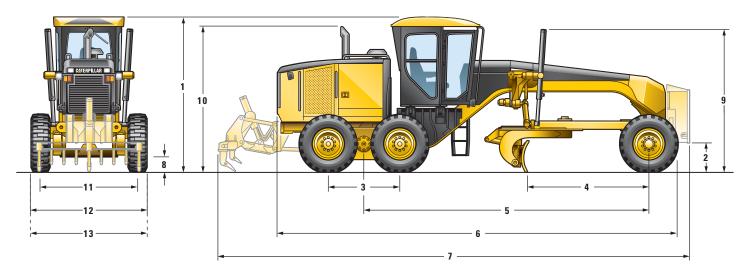
#### **Standards**

| ROPS/FOPS | ISO 3471:2008,         |
|-----------|------------------------|
|           | ISO 3449:2005 Level II |
| Steering  | ISO 5010:2007          |
| Brakes    | ISO 3450:1996          |
| Sound     | ISO 6394:2008,         |
|           | ISO 6395:2008          |

• The static operator sound pressure level is 73 dB(A) when "ISO 6394:2008" is used to measure the value for an enclosed cab. The measurement was conducted with the cab doors and the cab windows closed. The cab was properly installed and maintained.

• The dynamic spectator sound pressure level is 107 dB(A) when "ISO 6395:2008" is used to measure the value for an enclosed cab. The measurement was conducted at 70% of the maximum engine cooling fan speed.

## Dimensions



|    |   | 160/160 | 160/160 AWD |  |
|----|---|---------|-------------|--|
|    |   | mm      | in          |  |
| 1  | Height – Top of Cab                           | 3308    | 130         |  |
|    | Height – Top of Cab Product Link <sup>™</sup> | 3378    | 133         |  |
| 2  | Height – Front Axle Center                    | 596     | 23.5        |  |
| 3  | Length – Between Tandem Axles                 | 1523    | 60.0        |  |
| 4  | Length – Front Axle to Moldboard              | 2552    | 100         |  |
| 5  | Length – Front Axle to Mid Tandem             | 6123    | 241         |  |
| 6  | Length – Front Tire to Rear of Machine        | 8754    | 344         |  |
| 7  | Length – Push Plate to Ripper                 | 10 136  | 399         |  |
|    | Length – Push Plate to Ripper Retracted       | 9818    | 386         |  |
| 8  | Ground Clearance at Rear Axle                 | 339     | 13.3        |  |
| 9  | Height to Top of Cylinders                    | 3040    | 119         |  |
| 10 | Height to Exhaust Stack                       | 3256    | 128         |  |
|    | Height to Exhaust Stack (AWD)                 | 3256    | 128         |  |
| 11 | Width – Tire Center Lines                     | 2140    | 84.0        |  |
|    | Width – Tire Center Lines Front (AWD)         | 2223    | 87.0        |  |
| 12 | Width – Outside Rear Tires                    | 2511    | 98.0        |  |
| 13 | Width – Outside Front Tires                   | 2511    | 98.0        |  |
|    | Width – Outside Front Tires (AWD)             | 2594    | 102         |  |
|    |   |         |             |  |

• Dimensions based on 14.00R24 tire on multi-piece rim. Dimensions may vary with tire selection.

### **Optional Tire Arrangements**

| 160/160 AWD    |             |          |  |  |  |
|----------------|-------------|----------|--|--|--|
| Rim Size       | Wheel Group | Tires    |  |  |  |
| $10 \times 24$ | Multi-Piece | 14.00-24 |  |  |  |
| 10 × 24        | Multi-Piece | 14.00R24 |  |  |  |
| 14 × 25        | Multi-Piece | 17.5R25  |  |  |  |

Note: Consult your dealer for individual tire width, size, and brand.

## **Standard Equipment**

#### Standard equipment may vary. Consult your Cat dealer for details.

#### **POWER TRAIN**

- Air cleaner, dual stage, dry type, diesel, with automatic engine derate and automatic dust ejector, service indicator through Cat Messenger
- Air-to-air after cooler (ATAAC)
- Belt, serpentine, automatic tensioner
- Brakes, oil disc, four-wheel, hydraulic
- Demand fan, hydraulic
- Differential Lock/Unlock, Automatic
- Drain, engine oil, ecology
- Electronic over speed protection
- Engine
- Cat C9, diesel, with automatic engine derate and idle control Note: Engine emits equivalent to U.S. EPA Tier 3 or EU Stage IIIA.
- Engine Idle Shutdown (EIS)
- Fuel tank, 416 L (110 gal), ground level access and sediment drain
- Fuel-water separator
- Muffler, underhood
- Parking brake multi-disc, sealed, oil-cooled
- Priming pump, fuel
- Rear axle, modular
- Sediment drain, fuel tank
- Tandem drive
- Transmission, 8F/6R, power shift, direct drive
- Variable Horsepower Plus (VHP Plus)

#### ELECTRICAL

- Alarm, back up
- Alternator, 80 ampere, sealed
- Batteries, maintenance free, heavy duty, 1,125 CCA
- Breaker panel, ground accessible
- Cab harness and electrical hydraulic valves
- Electrical system, 24V
- Grade Control Ready Cab harness, software, electrical hydraulic valves, bosses and brackets
- Lights, roof-mounted roading, reversing, LED stop and tail
- Product Link Ready
- Starter, electric

#### **OPERATOR ENVIRONMENT**

- Accelerator
- Air conditioning with heater
- · Arm and wrist rest, electronically adjustable
- Articulation, automatic Return-to-Center
- Cat Messenger operator information system
- Centershift pin indicator
- Coat hook
- Cup holder
- · Display, digital speed and gear
- Doors, left and right side with wiper
- Gauge, machine level
- Gauge cluster (analog) fuel, articulation, engine coolant temp, engine RPM, hydraulic oil temp
- Hour meter, digital
- Joystick hydraulic controls right/left blade lift with float position, circle drive, blade sideshift and tip, centershift, front wheel lean, articulation and steering
- Joystick, adjustable armrests
- Joystick gear selection
- Joystick hydraulic power steering
- Ladders, cab, left and right side
- Lights, night time cab
- Mirror, inside rearview, wide angle
- Power port, 12V
- Radio Ready, Entertainment
- ROPS cab, sound suppressed
- Seat, cloth-covered, comfort suspension
- Seat belt, retractable 76 mm (3 in)
- Storage area for cooler/lunchbox
- Throttle control, electronic
- Windows, laminated glass:
- fixed front with intermittent wiperside and rear (3)

#### FLUIDS

- Antifreeze
- Extended Life Coolant to -35° C (-30° F)

#### TIRES, RIMS AND WHEELS

• Partial allowance for tires on  $254 \times 607$  mm (10 × 24 in) multi-piece rims is included in the base machine price and weight

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#### **OTHER STANDARD EQUIPMENT**

- Anti-glare paint
- Bumper, rear, integrated with hitch
- CD ROM Parts Book
- Clutch, circle drive slip
- Cutting edges
- $-152 \times 16 \text{ mm} (6 \times 5/8 \text{ in})$
- -curved DH-2 steel
- -19 mm (3/4 in) mounting bolts
- Doors (3), engine compartment, locking
- Drawbar 6 shoes, replaceable wear strips
- Electrical hydraulic valves, hydraulic lines for base 8 functions
- Endbits
- -16 mm (5/8 in) DH-2 steel
- -19 mm (3/4 in) mounting bolts
- Fluid check, ground level
- Frame, articulated, with safety lock
- Ground level engine shutdown
- Ground level fueling
- Hammer (emergency exit)
- Horn, electric
- Hydraulic lines for base functions
- Lockout, hydraulic implement (for roading and servicing)
- Moldboard 3658 × 610 × 22 mm (12 ft × 24 in × 7/8 in)
- Mounting, cab roof accessories
- Pump, hydraulic, high capacity, 98 cm<sup>3</sup> (6 in<sup>3</sup>)
- Radiator, cleanout access
- Secondary steering

Tool box

• Tow hitch

• Serviceability, left-hand side

transmission, coolant, fuel

· Tandem walkway/guards

• S•O•S<sup>SM</sup> ports: engine, hydraulic,

#### **Optional Equipment**

Optional equipment may vary. Consult your Cat dealer for details.

|   | kg  | lb  |  |  |  |
|---|-----|-----|--|--|--|
| ELECTRICAL  |     |     |  |  |  |
| Alternator, 150 ampere                                  | 2   | 5   |  |  |  |
| Batteries:  |     |     |  |  |  |
| extreme duty,<br>1,400 CCA                              | 14  | 30  |  |  |  |
| Converter,<br>communication (CB)                        | 5   | 11  |  |  |  |
| Lights:   |     |     |  |  |  |
| Headlights, high  | 5   | 11  |  |  |  |
| Headlights, low   | 5   | 11  |  |  |  |
| Working lights, basic                                   | 9   | 20  |  |  |  |
| Working lights, plus,<br>LED                            | 10  | 22  |  |  |  |
| Warning: beacon<br>or strobe                            | 2   | 5   |  |  |  |
| Mounting for<br>warning light                           | 5   | 11  |  |  |  |
| GUARDS  |     |     |  |  |  |
| Articulation guard                                      | 13  | 30  |  |  |  |
| Axle hose guard   | 7   | 15  |  |  |  |
| Fenders, front  | 56  | 123 |  |  |  |
| Fenders, rear   | 156 | 344 |  |  |  |
| Sound guard (bottom)                                    | 110 | 243 |  |  |  |
| Transmission guard                                      | 141 | 311 |  |  |  |
| OPERATOR ENVIRONMENT                                    |     |     |  |  |  |
| Deluxe CD radio with<br>MP3 and Bluetooth<br>technology |     |     |  |  |  |
| Fan, defroster,<br>rear window                          | 2   | 4   |  |  |  |
| Mirrors, outside:                                       |     |     |  |  |  |
| heated 24V  | 15  | 33  |  |  |  |
| mounted   | 15  | 33  |  |  |  |

|  | kg         | lb  |  |  |  |
|--|------------|-----|--|--|--|
| Precleaner, HVAC   | 5          | 10  |  |  |  |
| Radio ready, AM/FM   | 9          | 20  |  |  |  |
| Seat, air suspension, cloth  | 2          | 5   |  |  |  |
| Shade, sun   | 2          | 5   |  |  |  |
| Wiper/washer, rear   | 2          | 4   |  |  |  |
| POWER TRAIN  |            |     |  |  |  |
| Precleaner, snow/debris  | 2          | 4.4 |  |  |  |
| Transmission, autoshift  | 2          | 5   |  |  |  |
| OTHER ATTACHMENTS  |            |     |  |  |  |
| ARO  | 39         | 85  |  |  |  |
| Accumulators,<br>blade lift  | 77         | 170 |  |  |  |
| Camera, rearview   | 9          | 20  |  |  |  |
| Cat GRADE with   | 75         | 165 |  |  |  |
| Cross Slope  |            |     |  |  |  |
| Cat Product Link<br>321 (Satellite)  | 13         | 29  |  |  |  |
| Cat Product Link<br>522 (Cellular)   | 13         | 29  |  |  |  |
| Compressor/tank, air   | 27         | 50  |  |  |  |
| Heater, engine coolant:  |            |     |  |  |  |
| 120V   | 1          | 3   |  |  |  |
| 240V   | 1          | 3   |  |  |  |
| Hydraulic arrangements<br>additional hydraulic val<br>ripper, dozer, snow wing<br>mid-mount scarifier. | ilable for |     |  |  |  |
| Security system  | 5          | 11  |  |  |  |
| Snow wing mounting,  | 111        | 245 |  |  |  |

15

0.5

33

1

|  | kg  | lb    |  |  |  |
|--|-----|-------|--|--|--|
| WORK TOOLS/  |     |       |  |  |  |
| GROUND ENGAGING TOOLS  |     |       |  |  |  |
| Blade extension, left  | 113 | 249   |  |  |  |
| hand, 610 mm (2 ft)  |     |       |  |  |  |
| Endbits, overlay   | 24  | 52    |  |  |  |
| Front lift group,  | 5   | 11    |  |  |  |
| mounting   |     |       |  |  |  |
| Front lift group   | 680 | 1,500 |  |  |  |
| Mid-Mount Scarifier,   | 942 | 2,077 |  |  |  |
| Package  |     |       |  |  |  |
| Mid-Mount Scarifier,   | 57  | 125   |  |  |  |
| Mounting   |     |       |  |  |  |
| Moldboard  |     |       |  |  |  |
| $4267 \times 610 \times 22 \text{ mm}$                       | 100 | 220   |  |  |  |
| $(14 \text{ ft} \times 24 \text{ in} \times 7/8 \text{ in})$ |     |       |  |  |  |
| $4267\times 686\times 25~\text{mm}$                          | 257 | 567   |  |  |  |
| $(14 \text{ ft} \times 27 \text{ in} \times 1 \text{ in})$   |     |       |  |  |  |
| $4877\times686\times25~\text{mm}$                            | 472 | 1,041 |  |  |  |
| $(16 \text{ ft} \times 27 \text{ in} \times 1 \text{ in})$   |     |       |  |  |  |
| Push plate   | 885 | 1,950 |  |  |  |
| Ripper, mounting   | 32  | 70    |  |  |  |
| Ripper, rear   | 962 | 2,120 |  |  |  |
| Ripper tooth   | 28  | 61    |  |  |  |
| Scarifier, front   | 434 | 956   |  |  |  |
|  |     |       |  |  |  |

#### MACHINE ARRANGEMENTS

Snow Arrangement

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

frame ready Sound suppression

Starting aid, ether

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