

 Bass Power (1st gear) – Net
 103 kW
 138 hp

 VHP Range – Net
 103-114 kW
 138-153 hp

 VHP Plus Range – Net
 103-129 kW
 138-173 hp

| Weight      |           |           |
|-------------|-----------|-----------|
| Total       | 17 726 kg | 39,080 lb |
| Front Axle  | 5366 kg   | 11,830 lb |
| Rear Axle   | 12 360 kg | 27,250 lb |
| Moldboard   |           |           |
| Blade Width | 3.668 m   | 12 ft     |

The Cat® 120M - Tested, Proven, and Reliable - Mission Capable

The Cat 120M Motor Grader is a highly productive machine. The 120M represents a revolution in operational efficiency, visibility, serviceability and overall productivity. It also provides unsurpassed operational readiness for the construction of airfields, roads, landing zones, defensive berms, anti-tank ditches, and other key military construction missions.

The 120M Motor Grader is air transportable on the C-130 in a drive-on, drive-off configuration.



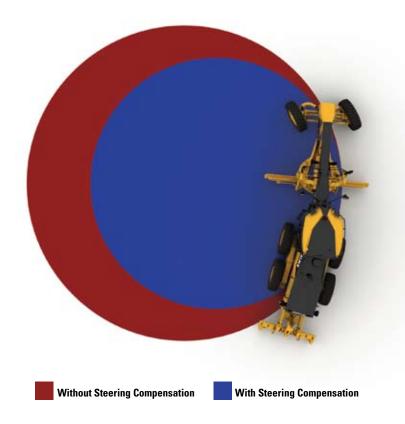
The AWD system utilizes dedicated left and right pumps for precise hydraulic control. The Caterpillar exclusive Steering Compensation System enables a "powered turn" by adjusting the outside front tire speed up to 50% faster than the inside tire. The result is improved control, less damage to surfaces and a dramatic reduction of turning radius in poor underfoot conditions.

#### **AWD-Constant Net Power.**

When equipped with AWD, the 120M will automatically increase the gross power up to 26 kW (35 hp) when the system is engaged. This offsets the parasitic losses and maintains a constant net power to the ground for maximum productivity.

**AWD – Hydrostatic Mode.** Standard with AWD, this mode disengages the transmission and provides hydraulic power to the front wheels only. The ground speed is infinitely variable between 0-8 km/h (0-5 mph), perfect for precise finish work. This also allows an operator to drive a vehicle with transmission problems back to the shop for repairs.







**Hydraulic Demand Fan.** The hydraulic demand fan automatically adjusts cooling fan speed according to engine cooling requirements. This system reduces demands on the engine, putting more horsepower to the ground and improving fuel efficiency.

**Inching Pedal**. Allows precise control of machine movements in any gear with low pedal effort and excellent modulation, critical in close-quarter work or finish grading.

Hydraulic Brakes. The oil bathed, multidisc service brakes are hydraulically actuated (1), providing smooth predictable braking. With brakes located at each tandem wheel (2), dependable stopping power is delivered each time. The parking brake is also integrated into the Operator Presence System to prevent unintended machine movement.

**Performance.** The Cat C6.6 engine, with ACERT Technology, generates fewer emissions and optimizes fuel combustion. This engine also provides superior torque and lugging capability that can pull through sudden, short-term increases in loads, maintaining consistent, desirable grading speeds.

**Power Management.** The 120M Power Management System automatically delivers an additional five horsepower in each forward gear 1st through 4th, and each reverse gear 1st through 3rd. This standard feature optimizes rimpull for all gears by balancing traction, speed and horsepower while conserving fuel. The system limits horsepower in lower gears, which helps reduce wheel slip where traction is limited. With Variable Horsepower Plus (VHP Plus), an additional five-horsepower is delivered in each forward gear 5th through 8th for more power at higher speeds.

Gear Selection. Eight forward and six reverse gears give the operator a wide operating range, providing maximum productivity in all earthmoving applications.



### The Cat® 120M - Tested, Proven, and Reliable - Mission Capable

**Shimless Moldboard Retention System.** The unique shimless moldboard retention system reduces the potential for blade chatter, preventing a washboard effect when grading. Vertical and horizontal adjusting screws keep the moldboard's wear strips aligned for precise blade control and dramatic reductions in service time.



Shimless moldboard retention system with adjusting screws.

**Top-Adjust Drawbar Wear Strips.** The patented top-adjust wear strips dramatically reduce drawbar/circle adjustment time. By removing the access plates on top of the drawbar, shims and wear strips can easily be added or replaced. This feature reduces service downtime.



Top-adjust drawbar wear strips

Replaceable Wear Inserts. Durable nylon composite wear inserts reduce rotational friction for maximum circle torque and longer component life. They are located between the drawbar and circle, and between the support shoes and circle. High load-resistant brass wear strips are placed between the blade mounting group and moldboard. This sacrificial wear system can be replaced easily and helps keep components tight for fine grading.



Replaceable wear inserts.





**Left Joystick Functions.** The left joystick primarily controls the machine direction and speed.

- 1. Steering: Lean joystick left and right
- 2. Articulation: Twist joystick left and right
- 3. Articulation Return to Center: Yellow thumb button
- 4. Wheel Lean: Two black thumb buttons
- 5. Direction: Index trigger shifts transmission to forward. neutral or reverse
- 6. Gear Selection: Two yellow thumb buttons upshift and downshift
- 7. Left moldboard lift cylinder: Push joystick to lower, pull joystick to raise

Left moldboard lift cylinder float: Pushing joystick through detent engages float

### **Right Joystick Functions.**

The right joystick primarily controls the Drawbar, Circle and moldboard functions.

1. Right moldboard lift cylinder: Push joystick to lower, pull joystick to raise

Right moldboard lift cylinder float: Pushing joystick through detent engages float

- 2. Moldboard slide: Lean joystick left and right
- 3. Circle turn: Twist joystick left and right
- 4. Moldboard tip: Thumb switch fore and aft
- 5. Drawbar center shift: Thumb switch left and right
- 6. Electronic Throttle Control: Trigger switch is resume and decrement
- 7. Differential Lock/Unlock: Yellow button

**Articulation Return-to-Center.** This exclusive feature automatically returns the machine to a straight frame position from any articulation angle with the touch of a single button. Return-to-Center helps improve productivity and safety by allowing the operator to focus on controlling the moldboard.

# **Advanced Electro-Hydraulic**

System. The 120M incorporates a state-of-the-art electro-hydraulic system. Advanced joystick controls provide unmatched controllability with precise, predictable hydraulic movements.

**Circle Drive Slip Clutch.** This standard feature protects the drawbar, circle and moldboard from shock loads when the blade encounters an immovable object. It also reduces the possibility of abrupt directional changes in poor traction conditions, protecting the machine, operator and surroundings.



**Scarifier Control Pod.** The scarifier control is ergonomically positioned to allow simple, comfortable operation of the mid-mount scarifier.

The Cat® 120M - Tested, Proven, and Reliable - Mission Capable



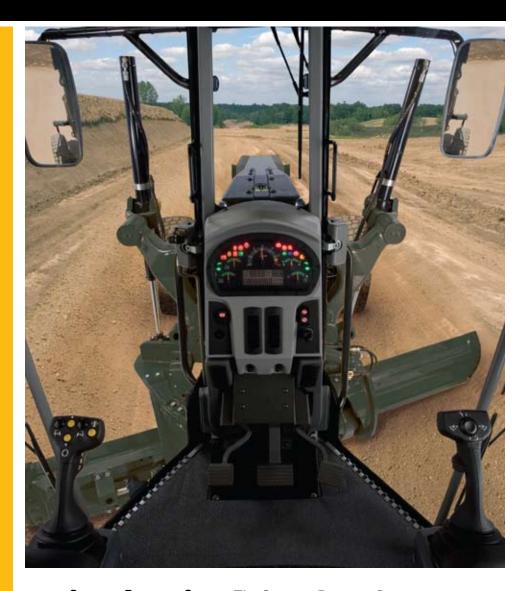
Crew Protection Kit. The armored crew protection kit (CPK) on the 120M was developed with the Troops's protection and survivability in mind. The armored cab provides the operator with 360° protection, including the roof and the floor, from small arms and fragmentation threats. An emergency egress hatch is provided thru the roof and is accessible from both the inside by the operator and from the outside by rescue personnel. The transparent armor provides excellent operator visibility of the machine and surrounding work area. These features of the CPK allow the soldier to complete military tasks safely and effectively.



Visibility. The 120M boasts excellent visibility to the work area, made possible with angled cab doors and replacement of all levers and the steering wheel with two electro-hydraulic joystick controls.

**Low Interior Sound and** Vibration Levels. Isolation mounts for the cab, engine and transmission, in addition to the location of the hydraulic pump and valves, provide significant sound and vibration reductions.

**HVAC.** The heating, ventilation and air conditioning system uses intelligent vent placement for consistent climate control and clear windows for every condition. The high capacity system dehumidifies air and pressurizes the cab, circulating fresh air and sealing out dust. An easily accessible fresh air filter is located outside the cab at ground level for quick replacement or cleaning.



**Operator Presence System.** The Operator Presence System keeps the parking brake engaged and hydraulic implements disabled until the operator is seated and the machine is ready for safe operation.

Secondary Steering System. The standard secondary steering system automatically engages an electric hydraulic pump in case of a drop in steering pressure, allowing the operator to steer the machine to a stop.

**Electrical Disconnect Switch.** A battery disconnect switch, located inside the left rear enclosure, provides ground level lockout of the electrical system to prevent inadvertent starting of the machine.

**Hydraulic Lockout.** A simple switch located in the cab disables all implement functions while still providing machine steering control. This safety feature is especially useful while the machine is roading.

### The Cat® 120M - Tested, Proven, and Reliable - Mission Capable



**Monitoring Systems.** The 120M Motor Grader maximizes on-board diagnostics capability using electronic control modules (ECMs) to monitor engine and machine systems. Cat Electronic Technician (ET) software accesses information from the ECMs allowing technicians to view status parameters, logged codes, active codes, perform functional tests, and record and view data logs of equipment operation. The instrument panel conveniently displays fault or event codes, while

the Messenger system (mounted inside the cab) provides text related to the fault code. This diagnostic capability allows Army Units to maintain Motor Grader readiness while minimizing the maintenance burden.



Maintenance. Proper maintenance of your motor grader can help control expenses and lower your owning and operating costs. The 120M provides unmatched serviceability by offering:

- Hydraulic service center
- Electric service center
- Well-protected, easily visible sight gauges
- Ground level maintenance points
- Easy access to engine compartment
- Ecology drains for simple and clean fluid drainage
- Brake wear indicators for ease of inspection
- Maintenance-free batteries
- Military Sampling Valves



Remanufactured Parts. Cat engines and major components are designed to be remanufactured and provide multiple life cycles. The Cat Reman program is more extensive than most rebuild programs. Components are actually remanufactured in the factory to the original specifications with necessary product updates.



**Service Life Extension Program (SLEP).** The Service Life Extension Program (SLEP) is based on a highly successful program currently in place with the DoD for the modernization of the U.S. military's construction and material handling equipment. As a result, thousands of Cat machines are now realizing a second life. The SLEP process is performed at strategically selected dealers throughout the Caterpillar worldwide dealer network.

The SLEP efforts have proven to be a great value for the DoD, allowing the machines to meet mission requirements and realize an additional machine life cycle. The fact that this work can be done at the dealer sites saves the Government millions in shipping costs.

Worldwide Locations. The Caterpillar global network of authorized dealers supports the U.S. Military in every corner of the globe. With heavy construction equipment dealers located in over 200 countries, Caterpillar's support organization provides global coverage.



Service Capabilities. Cat field service technicians have the experience and tools necessary to service your motor grader on-site. Field service trucks are fully loaded with state-of-the-art tools and diagnostic equipment as well as specifications and schematics for every Cat machine. Technical experts at the dealership and at Caterpillar are available to provide assistance to field service technicians when needed. When on-site repair isn't enough, Cat dealerships are fully-equipped to service your motor grader quickly.

**Dealer Support.** The Caterpillar global network of authorized dealers is the best in the world at providing support to keep your equipment up and running. With 99.7% of parts shipped within 24 hrs, Cat dealers are partners in support to the motor grader.

| Engine                 |              |                       |
|------------------------|--------------|-----------------------|
| Model                  | Cat® C6.6 AC | ERT <sup>TM</sup> VHP |
| VHP Plus range – Net   | 103-129 kW   | 138-173 hp            |
| Displacement           | 6.6 L        | 403 in <sup>3</sup>   |
| Bore                   | 105 mm       | 4.13 in               |
| Stroke                 | 125 mm       | 4.92 in               |
| Torque rise (VHP Plus) | 40%          |                       |
| Max torque (VHP Plus)  | 859 N·m      | 690 lb ft             |
| Speed @ rated power    | 2,000 rpm    |                       |
| Number of cylinders    | 6            |                       |

| • | Net power is tested per ISO 9249, SAE J1349, |
|---|--|
|   | and EEC 80/1269.                             |

- Standards in effect at the time of manufacture.
- VHP Plus is standard on Military Machines with AWD.
- Max torque (VHP Plus) measured at 1,400 rpm.
- 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.

| 120M Net Power |                           |
|----------------|---------------------------|
| Gear           | VHP Plus<br>kW (hp) – Net |
| Fwd. 1st       | 103 (138)                 |
| 2nd            | 106 (143)                 |
| 3rd            | 110 (148)                 |
| 4th            | 114 (153)                 |
| 5th            | 118 (158)                 |
| 6th            | 121 (163)                 |
| 7th            | 125 (168)                 |
| 8th            | 129 (173)                 |
| Rev. 1st       | 103 (138)                 |
| 2nd            | 106 (143)                 |
| 3rd – 6th      | 110 (148)                 |

| Power Train                 |   |
|-----------------------------|---|
| Forward/Reverse Gears       | 8 Fwd/6 Rev                             |
| Transmission                | Direct drive, power shift, countershaft |
| Brakes – Service            | Multiple oil-disc                       |
| – Parking                   | Multiple oil disc                       |
| <ul><li>Secondary</li></ul> | Dual circuit control                    |
|                             | system                                  |

| All-Wheel Drive System |                                    |
|------------------------|------------------------------------|
| Motor Type             | 2 Infinitely variable axial piston |
| Pump Type              | 2 Variable piston                  |
| Operational gears      | Forward = 1-7<br>Reverse = 1-5     |

| Hydraulic System        | _   |  |  |
|-------------------------|---|--|--|
| Circuit type            | Electro-hydraulic load sensing, closed center |  |  |
| Pump type               | Variable piston                               |  |  |
| Pump output             | 151 L/min 40 gal/min                          |  |  |
| Maximum system pressure | 24,100 kPa 3,500 psi                          |  |  |
| Standby Pressure        | 3100 kPa 450 psi                              |  |  |

• Pump output measured at 2,150 rpm

| Operating Specifications        |           |            |
|---------------------------------|-----------|------------|
| Top Speed – Fwd.                | 44.5 km/h | 27.7 mph   |
| – Rev.                          | 37.8 km/h | 23.5 mph   |
| Turning radius,                 |           |            |
| outside front tires             | 11.3 m    | 37 ft 1 in |
| Steering range – left/right     | 42°       |            |
| Articulation angle – left/right | 20°       |            |
| Fwd. 1st                        | 3.9 km/h  | 2.4 mph    |
| 2nd                             | 5.3 km/h  | 3.3 mph    |
| 3rd                             | 7.6 km/h  | 4.75 mph   |
| 4th                             | 10.5 km/h | 6.5 mph    |
| 5th                             | 16.4 km/h | 10.2 mph   |
| 6th                             | 22.2 km/h | 13.8 mph   |
| 7th                             | 30.6 km/h | 19 mph     |
| 8th                             | 44.5 km/h | 27.7 mph   |
| Rev. 1st                        | 3.3 km/h  | 2 mph      |
| 2nd                             | 6.2 km/h  | 3.8 mph    |
| 3rd                             | 8.9 km/h  | 5.6 mph    |
| 4th                             | 13.9 km/h | 8.6 mph    |
| 5th                             | 26 km/h   | 16.1 mph   |
| 6th                             | 37.8 km/h | 23.5 mph   |

| Service Refill            |        |          |
|---------------------------|--------|----------|
| Fuel Capacity             | 340 L  | 90 gal   |
| Cooling system            | 40 L   | 10.4 gal |
| Hydraulic system – tank   | 60 L   | 15.9 gal |
| Engine Oil                | 15.5 L | 4.1 gal  |
| Trans./Diff./Final Drives | 50 L   | 13.2 gal |
| Tandem housing (each)     | 61 L   | 16.9 gal |
| Front wheel spindle       | 0.5 L  | 0.1 gal  |
| bearing housing           |        |          |
| Circle drive housing      | 7 L    | 1.8 gal  |

| Circle – diameter                              | 1530 mm     | 60.2 in |
|--|-------------|---------|
|  | 1000 111111 | 00.2    |
| <ul> <li>blade beam thickness</li> </ul>       | 35 mm       | 1.4 in  |
| Drawbar – height                               | 152 mm      | 6 in    |
| – width  | 76.2 mm     | 3 in    |
| - thickness                                    | 9.5 mm      | 0.4 in  |
| <ul> <li>yoke bar thickness</li> </ul>         | 19.1 mm     | 0.75 in |
| Front frame structure                          |             |         |
| – height                                       | 254 mm      | 10 in   |
| – width  | 254 mm      | 10 in   |
| - thickness                                    | 16 mm       | 0.6 in  |
| Front axle                                     |             |         |
| – height to center                             | 572 mm      | 22.5 in |
| - wheel lean, left/right                       | 18°         |         |
| <ul> <li>total oscillation per side</li> </ul> | 32°         |         |

**Frame** 

| Tandems                       |          |          |
|-------------------------------|----------|----------|
| Height                        | 502 mm   | 19.76 in |
| Width                         | 171.7 mm | 6.76 in  |
| Sidewall thickness – inner    | 14 mm    | 0.5 in   |
| - outer                       | 16 mm    | 0.6 in   |
| Drive chain pitch             | 44.5 mm  | 1.8 in   |
| Wheel axle spacing            | 1510 mm  | 59.5 in  |
| Tandem oscillation – front up | 15°      |          |
| – front down                  | 25°      |          |
|                               |          |          |

| 3.668 m  | 12 ft  |
|----------|--|
| 610 mm   | 24 in  |
| 22 mm    | 0.87 in  |
| 413 mm   | 16.3 in  |
| 123.9 mm | 4.9 in   |
| 152.4 mm | 6 in   |
| 16 mm    | 0.6 in   |
| 152.4 mm | 6 in   |
| 16 mm    | 0.6 in   |
|          | 610 mm 22 mm 413 mm 123.9 mm 152.4 mm 16 mm 152.4 mm |

| Blade Range                             |         |         |  |
|---|---------|---------|--|
| Circle centershift – right              | 656 mm  | 25.8 in |  |
| - left                                  | 656 mm  | 25.8 in |  |
| Moldboard sideshift – right             | 660 mm  | 26 in   |  |
| – left                                  | 510 mm  | 20.1 in |  |
| Maximum blade position angle            | 90°     |         |  |
| Blade tip range – forward               | 40°     |         |  |
| – backward                              | 5°      |         |  |
| Maximum shoulder reach outside of tires |         |         |  |
| - right                                 | 1905 mm | 75 in   |  |
| – left                                  | 1742 mm | 68.6 in |  |
| Maximum lift above ground               | 427 mm  | 16.8 in |  |
| Maximum depth of cut                    | 720 mm  | 28.3 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  |

# Weights

Gross Vehicle Weight – no armor

| – total                           | 17,726 kg | 39,080 lb |  |  |
|-----------------------------------|-----------|-----------|--|--|
| <ul><li>front axle</li></ul>      | 5,366 kg  | 11,830 lb |  |  |
| – rear axle                       | 12,360 kg | 27,250 lb |  |  |
| Gross Vehicle Weight – with armor |           |           |  |  |
| – total                           | 20,452 kg | 45,090 lb |  |  |
| – front axle                      | 6,205 kg  | 13,680 lb |  |  |
| – rear axle                       | 14,247 kg | 31,410 lb |  |  |

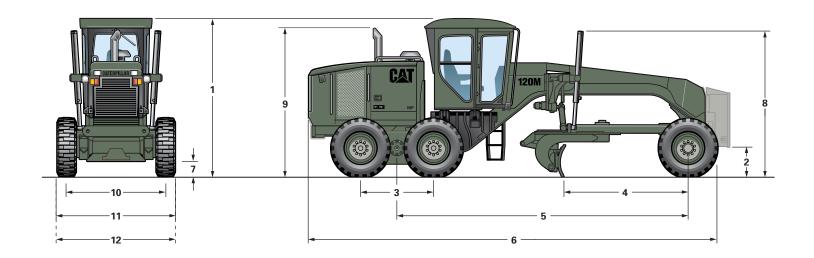
• Base operating weight calculated on standard machine configuration with 14.00 R24 tires, full fuel tank, coolant, lubricants and operator.

# **Standards**

| ROPS/FOPS | ISO 3471:1992/ISO 3449:1992 |
|-----------|-----------------------------|
| Steering  | ISO 5010:1992               |
| Brakes    | ISO 3450:1996               |
| Sound     | ISO 6394:1998/ISO 6395:1988 |

- The static sound operator pressure level measured according to ISO 6394:1988 for a cab offered by Caterpillar, when properly installed, maintained and tested with doors and windows closed and hydraulic fan at maximum speed is 70 dB(A).
- The dynamic spectator sound power level for the standard machine when equipped with sound suppression package and hydraulic fan running at 70% of maximum speed, machine sound measured is less than 105 dB(A), complying with EU 2000/14/EC requirement.

| Transmission (USN, USMC)             | 133 kg | 293 lb   |  |  |
|--------------------------------------|--------|----------|--|--|
| Air conditioner with heater          | 49 kg  | 107 lb   |  |  |
| Mirrors, outside: mounted            | 10 kg  | 22 lb    |  |  |
| All Wheel Drive                      | 590 kg | 1,300 lb |  |  |
| Precleaner, Sy-Klone (USMC)          | 9 kg   | 20 lb    |  |  |
| Accumulators, blade lift (USN, USMC) |        |          |  |  |
|                                      | 77 kg  | 170 lb   |  |  |
| Camera, rearview (USMC)              | 7 kg   | 15 lb    |  |  |
| Compressor/tank, Air (USN, USMC)     |        |          |  |  |
|                                      | 23 kg  | 50 lb    |  |  |
| Starting aid, Ether                  | 0.5 kg | 1 lb     |  |  |
| Mid Mount Scarifier                  | 959 kg | 2,114 lb |  |  |
| Fan, defroster, rear window          | 2 kg   | 4 lb     |  |  |
|                                      |        |          |  |  |



| 1 | Height — top of cab                    | 3278 mm | 131 in   |
|---|--|---------|----------|
| 2 | Height – front axle center             | 610 mm  | 24 in    |
| 3 | Length – between tandem axles          | 1511 mm | 59.5 in  |
| 4 | Length – front axle to moldboard       | 2511 mm | 98.9 in  |
| 5 | Length – front axle to mid tandem      | 5915 mm | 232.8 in |
| 6 | Length – front tire to rear of machine | 8488 mm | 334.1 in |

| 7  | Ground clearance at rear axle | 363 mm  | 14.3 in  |
|----|-------------------------------|---------|----------|
| 8  | Height to top of cylinders    | 2934 mm | 115.5 in |
| 9  | Height to exhaust stack       | 2883 mm | 113.5 in |
| 10 | Width – tire center lines     | 2096 mm | 82.5 in  |
| 11 | Width – outside rear tires    | 2565 mm | 101 in   |
| 12 | Width – outside front tires   | 2540 mm | 100 in   |

### Standard equipment may vary. Consult Caterpillar Defense & Federal Products for details.

#### **Operator Environment**

Arm/wrist rest, adjustable

Articulation, automatic Return-to-Center

Ashtray and lighter

Cat Messenger, operator information system

Centershift pin indicator

Coat hook

Cup holder

Display, digital speed and gear

Door, driver access (left side) with wiper

Gauge cluster – articulation, engine coolant temp,

engine RPM, fuel, system voltage

Gauge, machine level

Heater, cab

Hour meter, digital

Joystick hydraulic controls

implements, steering, transmission

Messenger Operator Info System

Mirror, inside rearview, wide angle outside mirrors

Power port, 12V

ROPS cab, sound suppressed

Seat belt, retractable 76 mm (3 in)

Seat, cloth-covered, comfort suspension

Storage area for cooler/lunchbox

Throttle control, electronic

Windows, laminated glass:

door, left with dual wipers

fixed, window right with dual wipers

fixed front with intermittent wiper

Windows, tempered glass

side and rear (3)

Wrist rests, adjustable

#### **Power Train**

Air cleaner, dual stage, dry type, automatic dust ejector, service indicator through Cat Messenger

Air-to-air after cooler (ATAAC)

Belt, serpentine, automatic tensioner

Brakes, four-wheel hydraulic

Differential, lock/unlock

Drain, engine oil

Electronic over speed protection

Engine, Cat® C6.6 with ACERT<sup>TM</sup> Technology

Fuel-water separator

Hydraulic demand fan

Muffler, under hood

Parking brake - multi-disc, sealed, oil-cooled

Priming pump, fuel

Rear axle, modular

Sediment drain, fuel tank

Transmission, 8F/6R, power shift, direct drive

VHP (Variable Horsepower)

#### **Electrical**

Alarm, back up

Alternator, 150 ampere, sealed

Batteries, maintenance free, 1400 CCA (x2)

Breaker panel, ground accessible

Electrical system, 24V

Grade Control Ready – Cab harness, software,

electrical hydraulic valves, bosses and brackets

Lights, reversing

Lights, stop and tail, LED

# Other Standard Equipment

Brake accumulators, dual certified

Bumper, rear, integrated with hitch

Clutch, circle drive slip

Cutting edges

curved DH-2 steel

203 mm 16 mm (8 in 5/8 in)

19 mm (3/4 in) mounting bolts

Doors (3), engine compartment, locking

Drawbar – 4 shoes with replaceable wear strips

**Endbits** 

16 mm (5/8 in) DH-2 steel

19 mm (3/4 in) mounting bolts

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

Fluid check, ground level

Frame, articulated, with safety lock

Fuel tank, ground level access

Ground level engine shutdown

Hammer (emergency exit)

Horn, electric

Hydraulics, base 8 implement controls

Hydraulics, load-sensing

Lockout, hydraulic implement for roading

Moldboard

3658 mm 610 mm 22 mm (12 ft 24 in 7/8 in)

hydraulic sideshift and tip

Anti-glare paint – top of front frame and rear enclosure

Radiator cleanout access

Secondary steering

Serviceability, LH side

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

Tandem walkway/guards

Tool box

Tow hitch

#### Tires, Rims, & Wheels

14R24 tires on multi-piece rims

# **MILITARY MODIFICATIONS**

- Armored Cab (Optional)
- Split Cab
- NATO Start Receptacle
- Blackout Lighting System
- **Keyless Engine Start Switch**
- Rifle Bracket
- Military Data Plates
- Shipping Data Plates
- Cold Start Aid for -25° F (Ether)
- Arctic Kit for Cold Start (-40° F) (Optional)
- Military Towing Lugs
- **■** Decontamination Bracket

- **Vandalism Protection**
- **Removable Glass**
- Fresh Water Fordable to 30" Depth
- Reduced Lift Cylinder Mounting Arrangement for Transport
- **Hinged Battery Access Door**
- Scarifier Tooth Storage Rack
- MIL-STD-209 Lift and Tiedown Provisions
- **Tool Box**
- **■** Fire Extinguisher
- **External Mirrors**
- **CARC or Special Paint**

For more information visit: www.catdfp.com

All dimensions are approximate. Dimensions may vary with configuration. Specific military service configurations are available upon request.



Materials and specifications are subject to change without notice. Featured machines may include additional equipment. See your account manager for available options.

