**Features:**

- **Engine** – The EPA Tier 3 compliant C6.6 offers increased performance and reliability while reducing fuel consumption and sound levels.
- **Environmentally Responsible Design** – Helping to protect our environment, the engine has low operator and spectator sound levels, longer filter change intervals and is more fuel-efficient.
- **Hydraulics** – The state of the art load-sensing hydraulic system combined with a separate dedicated swing pump provides fast cycle times, increased lift capacity and high bucket and stick forces. This combination maximizes your productivity in any job.
- **Serviceability** – For increased safety, all daily maintenance points are accessible from ground level. A centralized greasing system allows lubrication of critical points.
- **Operator Comfort** – The totally redesigned operator station maximizes comfort while increasing safety. The available auto-weight adjusted air-suspension seat with heated and cooled ventilated cushions improves operator comfort. Safety is enhanced by the new color monitor and standard rear-mounted camera.
- **Undercarriage** – Various undercarriage configuration with blade and outriggers are available to provide the best solution for you.

---

**Specifications**

**Engine**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Engine Model</strong></td>
<td>Cat® C6.6 with ACERT™ Technology</td>
</tr>
<tr>
<td><strong>Ratings</strong></td>
<td>1,800 rpm</td>
</tr>
<tr>
<td><strong>Gross Power</strong></td>
<td>130 kW 174 hp</td>
</tr>
<tr>
<td><strong>Net Power</strong></td>
<td>ISO 9249 124 kW 166 hp</td>
</tr>
<tr>
<td><strong>Net Power</strong></td>
<td>80/1269/EEC 124 kW 166 hp</td>
</tr>
<tr>
<td><strong>Bore</strong></td>
<td>105 mm 4.13 in</td>
</tr>
<tr>
<td><strong>Stroke</strong></td>
<td>127 mm 5 in</td>
</tr>
<tr>
<td><strong>Displacement</strong></td>
<td>6.6 L 403 in²</td>
</tr>
<tr>
<td><strong>Cylinders</strong></td>
<td>6</td>
</tr>
<tr>
<td><strong>Maximum Torque at 1,400 rpm</strong></td>
<td>805 N·m 596 lb ft</td>
</tr>
</tbody>
</table>

- EPA Tier 3 compliant.
- Full engine net power up to 3000 m (1.86 mi) altitude.

**Hydraulic System**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Tank Capacity</strong></td>
<td>170 L 45 gal</td>
</tr>
<tr>
<td><strong>System</strong></td>
<td>255 L 67 gal</td>
</tr>
<tr>
<td><strong>Maximum Pressure</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Implement Circuit</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Normal</strong></td>
<td>350 bar 5,076 psi</td>
</tr>
<tr>
<td><strong>Heavy Lift</strong></td>
<td>375 bar 5,439 psi</td>
</tr>
<tr>
<td><strong>Travel Circuit</strong></td>
<td>350 bar 5,076 psi</td>
</tr>
<tr>
<td><strong>Auxiliary Circuit</strong></td>
<td></td>
</tr>
<tr>
<td><strong>High Pressure</strong></td>
<td>350 bar 5,076 psi</td>
</tr>
<tr>
<td><strong>Medium Pressure</strong></td>
<td>185 bar 2,683 psi</td>
</tr>
<tr>
<td><strong>Swing Mechanism</strong></td>
<td>310 bar 4,496 psi</td>
</tr>
</tbody>
</table>

**Hydraulic System (cont’d)**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>Maximum Flow</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Implement/Travel Circuit</strong></td>
<td>290 L/min 77 gal/min</td>
</tr>
<tr>
<td><strong>Auxiliary Circuit</strong></td>
<td></td>
</tr>
<tr>
<td><strong>High Pressure</strong></td>
<td>250 L/min 66 gal/min</td>
</tr>
<tr>
<td><strong>Medium Pressure</strong></td>
<td>50 L/min 13 gal/min</td>
</tr>
<tr>
<td><strong>Swing Mechanism</strong></td>
<td>112 L/min 30 gal/min</td>
</tr>
</tbody>
</table>

**Weights**

<table>
<thead>
<tr>
<th>Feature</th>
<th>Value</th>
</tr>
</thead>
<tbody>
<tr>
<td><strong>VA Boom</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Rear Dozer Only</strong></td>
<td>17 850 kg 39,353 lb</td>
</tr>
<tr>
<td><strong>Rear Dozer, Front Outriggers</strong></td>
<td>18 900 kg 41,667 lb</td>
</tr>
<tr>
<td><strong>Front and Rear Outriggers</strong></td>
<td>19 100 kg 42,108 lb</td>
</tr>
<tr>
<td><strong>One-Piece Boom</strong></td>
<td></td>
</tr>
<tr>
<td><strong>Rear Dozer Only</strong></td>
<td>17 350 kg 38,250 lb</td>
</tr>
<tr>
<td><strong>Rear Dozer, Front Outriggers</strong></td>
<td>18 350 kg 40,455 lb</td>
</tr>
<tr>
<td><strong>Front and Rear Outriggers</strong></td>
<td>18 550 kg 40,896 lb</td>
</tr>
</tbody>
</table>

**Sticks**

- **Short** – 2200 mm (7’3”)
  - 550 kg 1,213 lb
- **Medium** – 2500 mm (8’3”)
  - 580 kg 1,279 lb
- **Long** – 2800 mm (9’3”)
  - 600 kg 1,323 lb
- **Industrial** – 3300 mm (9’3”)
  - 520 kg 1,146 lb

**Dozer Blade**

- 740 kg 1,633 lb

**Outriggers**

- 1030 kg 2,270 lb

**Counterweight**

- 4000 kg 8,810 lb

- Machine weight with medium stick, 4000 kg (8,810 lb) counterweight, with operator and full fuel tank, without work tool. Weight varies depending on configuration.
M318D Wheel Excavator

Transmission
Forward/Reverse
1st Gear 8 km/h 5 mph
2nd Gear 37 km/h 23 mph
Creeper Speed
1st Gear 3 km/h 2 mph
2nd Gear 13 km/h 8 mph
Drawbar Pull 99 kN 22,300 lb
Maximum Gradeability 60%

Swing Mechanism
Swing Speed 10.5 rpm
Swing Torque 48 kN·m 35,403 lb ft

Tires
Standard
• 10.00-20 (dual pneumatic)
Optional
• 11.00-20 (dual pneumatic)
• 18 R 19.5 XF (single pneumatic)
• 10.00-20 (dual solid rubber)

Sound Levels
Exterior Sound
• The labeled spectator sound power level measured according to the test procedures and conditions specified in 2000/14/EC is 103 dB(A).

Undercarriage
Ground Clearance 370 mm 15 in
Maximum Steering Angle 35°
Oscillation Axle Angle ± 9°
Minimum Turning Radius
Standard Axle
Outside of Tire 6400 mm 21 ft
End of VA Boom 7000 mm 23 ft
End of One-Piece Boom 8300 mm 27 ft
Wide Axle
Outside of Tire 6500 mm 21 ft
End of VA Boom 7100 mm 23 ft
End of One-Piece Boom 8500 mm 28 ft

Service Refill Capacities
Fuel Tank 385 L 102 gal
Cooling 36 L 9.5 gal
Engine Crankcase 15 L 4 gal
Rear Axle Housing (differential) 14 L 3.7 gal
Front Steering Axle (differential) 10.5 L 2.8 gal
Final Drive 2.5 L 0.7 gal
Powershift Transmission 2.5 L 0.7 gal

Cab/ROPS/FOGS
• Cat cab with integrated Roll Over Protective Structure (ROPS) meets ISO 12117-2:2008 criteria.
• Cab with Falling Object Guard Structure (FOGS) meets ISO 10262.

Dimensions (All dimensions are approximate.)

<table>
<thead>
<tr>
<th>Stick Length</th>
<th>VA Boom</th>
<th>One-Piece Boom</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>2200 (7’3”)</td>
<td>2500 (8’3”)</td>
</tr>
<tr>
<td></td>
<td>2800 (9’3”)</td>
<td>*3300 (10’10”)</td>
</tr>
<tr>
<td></td>
<td>2200 (7’3”)</td>
<td>2500 (8’3”)</td>
</tr>
<tr>
<td></td>
<td>2800 (9’3”)</td>
<td>*3300 (10’10”)</td>
</tr>
</tbody>
</table>

<table>
<thead>
<tr>
<th>Shipping Height</th>
<th>3170 (10’5”)</th>
<th>3170 (10’5”)</th>
<th>3300 (10’10”)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Shipping Length</td>
<td>8870 (29’1”)</td>
<td>8550 (28’6”)</td>
<td>8620 (28’11”)</td>
</tr>
<tr>
<td>Support Point</td>
<td>3920 (12’10”)</td>
<td>3650 (12’0”)</td>
<td>3510 (11’10”)</td>
</tr>
<tr>
<td>Tail Swing Radius</td>
<td>2565 (8’5”)</td>
<td>2565 (8’5”)</td>
<td></td>
</tr>
<tr>
<td>Counterweight Clearance</td>
<td>1275 (4’2”)</td>
<td>1275 (4’2”)</td>
<td></td>
</tr>
<tr>
<td>Cab Height</td>
<td>3170 (10’5”)</td>
<td>3170 (10’5”)</td>
<td></td>
</tr>
<tr>
<td>With 1200 mm (4 ft) Fixed Cab Riser</td>
<td>4370 (14’4”)</td>
<td>4370 (14’4”)</td>
<td></td>
</tr>
<tr>
<td>Overall Machine Width</td>
<td>2550 (8’4”)</td>
<td>2550 (8’4”)</td>
<td></td>
</tr>
<tr>
<td>Wide Gauge Axle</td>
<td>2750 (9’0”)</td>
<td>2750 (9’0”)</td>
<td></td>
</tr>
</tbody>
</table>

* Industrial stick
STANDARD EQUIPMENT

ELECTRICAL
- Alternator, 75 A
- Lights
  - Boom working light
  - Cab interior light
  - Roading lights two front
  - Roading lights two LED modules rear
  - Rotating beacon on cab
  - Working lights, cab mounted (front and rear)
- Main shut-off switch
- Maintenance free batteries
- Signal/warning horn

ENGINE
- Automatic engine speed control
- Automatic starting aid
- Cat C6.6 with ACERT Technology EPA Tier 3 compliant
- Fuel/water separator with level indicator

HYDRAULICS
- Heavy lift mode
- Load-sensing Plus hydraulic system
- Manual work modes (economy, power)
- Separate swing pump
- Stick regeneration circuit

OPERATOR STATION
- ROPS cab structure compliant with 2006/42/EC and tested according to ISO 12117-2:2008
- Adjustable armrests
- Air conditioner, heater and defroster with automatic climate control
- Ash tray with cigarette lighter (24 volt)
- Beverage cup/can holder
- Bolt-on FOGS capability
- Bottle holder
- Bottom mounted parallel wiping system that covers the upper and lower windshield glass
- Camera mounted on counterweight displays through cab monitor
- Coat hook
- Floor mat, washable, with storage compartment
- Fully adjustable mechanical suspension seat
- Instrument panel and gauges
  - Information and warning messages in local language
  - Gauges for fuel level, engine coolant and hydraulic oil temperature
  - Filters/liquids change interval
  - Indicators for headlights, turning signal, low fuel, engine dial setting
  - Clock with 10-day backup battery

OPERATOR STATION (cont’d)
- Laminated front windshield
- Left side console, tiltable, with lock out for all controls
- Literature compartment behind seat
- Literature holder in right console
- Mobile phone holder
- Parking brake
- Positive filtered ventilation
- Power supply, 12V-7A
- Rear window, emergency exit
- Retractable seat belt
- Skylight
- Sliding door windows
- Steering column, tiltable
- Storage area suitable for a lunch box
- Sunshade for windshield and skylight

UNDERCARRIAGE
- Heavy-duty axles, advanced travel motor, adjustable braking force
- Oscillating front axle with remote greasing
- Tires, 10.00-20 16 PR, dual
- Tool boxes (right- and left-hand side) in undercarriage
- Two-piece drive shaft

OTHER EQUIPMENT
- Automatic swing brake
- Counterweight, 4000 kg (8,810 lb)
- Mirrors, frame and cab
- Product Link ready
- Tool box in upperframe, lockable
M318D Wheel Excavator

OPTIONAL EQUIPMENT

AUXILIARY CONTROLS AND LINES
- Auxiliary boom and stick lines
- Anti-drift valves for bucket, stick, VA boom and tool control/multi-function circuits
- Basic control circuits:
  - Single action
    - One-way, high pressure circuit, for hammering application
  - Medium pressure
    - Two-way, medium pressure circuit, for rotating or tilting of work tools
  - Tool control/multi function
    - One/two-way high pressure for hammer application or opening and closing of a work tool
    - Programmable flow and pressure for up to 10 work tools – selection via monitor
  - Second high pressure
    - Additional two-way, high pressure circuit, for tools requiring a second high or medium pressure function
  - Quick coupler control
- Cat BIO HYDO Advanced HEES™ biodegradable hydraulic oil
- Generator with valve and priority function
- Lowering control devices for boom and stick
- SmartBoom™

FRONT LINKAGE
- Booms
  - One-piece boom, 5350 mm (17 ft 7 in)
  - VA boom (two piece), 5260 mm (17 ft 3 in)
- Bucket linkage with diverter valve
- Sticks
  - 2200 mm (7 ft 3 in), 2500 mm (8 ft 3 in), 2800 mm (9 ft 3 in)
  - 3300 mm (10 ft 10 in) industrial with drop nose

ELECTRICAL
- Back-up alarm
- Heavy-duty maintenance free batteries
- Refueling pump

OPERATOR STATION
- Adjustable hydraulic sensitivity
- CD/MP3 Radio (12V) at rear location including speakers and 12V converter
- Falling objects guard
- Joystick steering
- Seat, adjustable high-back
  - air suspension (vertical)
  - deluxe with headrest, air suspension
- Travel speed lock
- Vandalism guards
- Visor for rain protection
- Windshield
  - One-piece high impact resistant
  - 70/30 split, openable

UNDERCARRIAGE
- Dozer blade, front or rear mounted
- Outriggers, front and/or rear mounted
- Spacer rings for tires
- Wide axles

OTHER EQUIPMENT
- Auto-lube system (implements and swing gear)
- Cat Machine Security System
- Cat Product Link
- Mirrors heated, frame and cab
- Ride Control
- Tires (see pg. 2)
- Waste Handling Package