

# PRODUCT SPECIFICATIONS FOR M318

<b>Engine Power - ISO 14396</b>	174 HP
<b>Engine Model</b>	C4.4
<b>Bore</b>	4 in
<b>Displacement</b>	285.5 in <sup>3</sup>
<b>Stroke</b>	5 in
<b>Note (1)</b>	Meets U.S. EPA Tier 4 Final, EU Stage V, and Korea Tier 4 Final emission standards.
<b>Note (2)</b>	Net power advertised is the power available at the flywheel when engine is equipped with fan, air cleaner, CEM exhaust gas aftertreatment, alternator, and cooling fan running at intermediate speed.
<b>Note (3)</b>	Recommended for use up to 3000 m (9,843 ft) altitude with engine power derate above 3000 m (9,843 ft).
<b>Note (4)</b>	Rated speed 2,200 rpm.
<b>Engine Power - Maximum Gross - ISO 14396 - Metric</b>	131 kW (176 hp) (PS)
<b>Main System - Maximum Flow - Implement</b>	67 gal/min
<b>Maximum Pressure - Equipment</b>	5366 psi
<b>Maximum Pressure - Swing</b>	5149 gal/min
<b>Maximum Pressure - Travel</b>	5076 gal/min

<b>Operating Weight Maximum</b>	43980 lb
<b>Operating Weight Minimum</b>	38580 lb
<b>Note (1)</b>	Operating weight includes full fuel tank, operator, bucket 610 kg (1,340 lb), and dual pneumatic tires. Weight varies depending on configuration.
<b>Note (2)</b>	Typical configurations include 2500 mm (8'2") medium stick and 3700 kg (8,157 lb) counterweight.
<b>Cooling System</b>	8.5 gal (US)
<b>Diesel Exhaust Fluid (DEF)</b>	5.3 gal (US)
<b>Hydraulic System - Including Tank</b>	68.7 gal (US)
<b>Hydraulic Tank</b>	31.7 gal (US)
<b>Final Drive</b>	0.7 gal (US)
<b>Fuel Tank</b>	92.5 gal (US)
<b>Engine Oil</b>	2.9 gal (US)
<b>Boom</b>	5205 mm (17'1")
<b>Bucket</b>	0.91 m <sup>3</sup> GD (1.19 yd <sup>3</sup> )
<b>Stick</b>	2.5 m (8' 2")
<b>Shipping Height - Top of Cab</b>	11 ft

<b>Shipping Length</b>	27.8 ft
<b>Counterweight Clearance</b>	4.3 ft
<b>Ground Clearance</b>	1.1 ft
<b>Support Point</b>	11.5 ft
<b>Tail Swing Radius</b>	7.7 ft
<b>Wheel Base</b>	8.9 ft
<b>Boom Type</b>	VA Boom
<b>Bucket</b>	0.91 m <sup>3</sup> GD (1.19 yd <sup>3</sup> )
<b>Digging Height</b>	19.3 ft
<b>Stick</b>	2.5 m (8' 2")
<b>Reach at Ground Level</b>	30.2 ft
<b>Vertical Wall Digging Depth</b>	15.1 ft
<b>Note (1)</b>	Range values are with dual pneumatic tires (10.00-20). Range values are calculated with a GD bucket (CW) and CW-30 quick coupler with a tip radius of 1484 mm (4'10"). Force values are calculated with heavy lift on, a GD bucket (pin-on), and a tip radius of 1378 mm (4'6").
<b>Bucket Forces (ISO)</b>	26752 lbf
<b>Stick Forces (ISO)</b>	16861 lbf
<b>Cutting Height</b>	33.7 ft

**Maximum Swing Speed**

32560 ft·lbf

**Swing Speed**

9.4 r/min

**Note**

The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1430). The system contains 0.85 kg of refrigerant which has a CO2 equivalent of 1.216 metric tonnes.

**Maximum Travel Speed**

21.7 mile/h

# M318 STANDARD EQUIPMENT

## NOTE

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

## CAB

ROPS, sound suppression

High-resolution 254 mm (10 in) LCD touchscreen monitor

Product Link

Remote flash/troubleshoot capability

## ENGINE

Power mode selector

One-touch low idle with auto engine speed control

Auto Engine Idle Shutdown

52° C (125° F) high-ambient cooling capacity

Cold start capability -18° C (0° F)

Double element air filter with integrated precleaner

Biodiesel capability up to B20

Electric priming pump

## HYDRAULIC SYSTEM

Automatic swing brake

Auto hydraulic oil warmup

Electronic main control valve

Boom and stick drift reduction valves

## UNDERCARRIAGE AND STRUCTURES

Automatic brake/axle lock

All-wheel drive

## ELECTRICAL SYSTEM

LED lights on boom and cab

Roading and indicator lights, front and rear

Maintenance free batteries

Centralized electrical disconnect switch

## SERVICE AND MAINTENANCE

Sampling ports for Scheduled Oil Sampling (S-O-S)

Ground-level and platform-level engine oil dipsticks

## SAFETY AND SECURITY

Rearview and right-side view cameras

Wide angle mirrors

Ground level engine shutoff switch

Anti-skid plate

Signaling/warning horn

## **M318 OPTIONAL EQUIPMENT**

**NOTE**

## **NOTE**

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

## **CAB**

Deluxe cab

Premium cab

## **CAT TECHNOLOGIES**

Cat Grade with 2D

Cat Grade with Advanced 2D

Cat Grade with 3D

Payload

2D E-Fence

## **HYDRAULIC SYSTEM**

Boom/stick lowering check valves

SmartBoom

Ride control

Cat TRS support

Joystick steering

Slider joysticks (2 types)

Combined flow/high-pressure auxiliary circuit

Quick coupler circuit

## **BOOM AND STICKS**

5205 mm (17'1") variable adjustable boom

2200 mm (7'3") stick

2500 mm (8'2") stick

2900 mm (9'6") stick

5100 mm (16'9") One-piece boom

5100 mm (16'9") One-piece boom

## **UNDERCARRIAGE AND STRUCTURES**

10.00-20 16 PR, dual tires

315/70R22.5, no gap dual tires

445/70R 19.5, single tires

3700 kg (8,157 lb) counterweight

4200 kg (9,259 lb) counterweight

## **ELECTRICAL SYSTEM**

LED lights on chassis (left-hand, right-hand) and counterweight

Electrical refueling pump

## **SERVICE AND MAINTENANCE**

Automatic lubrication system for implement and swing system

## **SAFETY AND SECURITY**

360° visibility

Rotating beacon





