

PRODUCT SPECIFICATIONS FOR M317

	US	Metric
Engine Model	C4.4	
Engine Power - ISO 14396	112 kW	
Net Power - ISO 9249	108 kW	
Bore	105 mm	
Stroke	5 in	
Displacement	4.4 l	
Main System - Maximum Flow - Implement	254 l/min	
Maximum Pressure - Implement Circuit - Heavy Lift	37000 kPa	
Maximum Pressure - Implement Circuit - Travel Circuit	35000 kPa	
Maximum Pressure - Implement Circuit - Normal	35000 kPa	
Maximum Swing Torque	44 kN·m	
Swing Speed	9.4 r/min	
Operating Weight Maximum	20100 kg	
Operating Weight Minimum	17350 kg	

Fuel Tank	290 l
Diesel Exhaust Fluid (DEF)	20 l
Cooling System	9.2 gal (US)
Hydraulic Tank	120 l
Hydraulic System - Including Tank	280 l
Maximum Travel Speed	35 km/h
Forward/Reverse - 1st Gear	10 km/h
Forward/Reverse - 2nd Gear	35 km/h
Creeper Speed - 1st Gear	5.5 km/h
Creeper Speed - 2nd Gear	15 km/h
Drawbar Pull	104 kN
Boom	VA 5.2 m (17'1")
Stick	2.5m (8'2")
Bucket	GD 0.80 m³ (1.05 yd³)
Shipping Height - Top of Cab	3320 mm
Support Point	3530 mm
Shipping Length	6260 mm

Tail Swing Radius	1850 mm
Counterweight Clearance	1300 mm
Ground Clearance	325 mm
Undercarriage Length	5050 mm
Wheel Base	2700 mm
Boom Type	VA 5.2 m (17'1")
Stick	2.5m (8'2")
Bucket	GD 0.80 m³ (1.05 yd³)
Dump Height	7770 mm
Digging Height	5770 mm
Reach at Ground Level	9220 mm
Vertical Wall Digging Depth	4470 mm
Stick Forces (ISO)	70 kN
Bucket Forces (ISO)	119 kN
Cutting Height	10720 mm

M317 STANDARD EQUIPMENT

CAB

ROPS, sound suppression

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

CAT TECHNOLOGY

Cat Product Link™

Remote Flash/Troubleshoot capability

ENGINE

Cat C4.4 diesel 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

-18°C (0°F) cold start capability

Sealed double element air filter with integrated precleaner

Electric fuel priming pump

On-demand electric cooling fans

Biodiesel capability up to B20

HYDRAULIC SYSTEM

Automatic swing brake

Auto hydraulic oil warm up

Electronic main control valve

Boom, stick, and bucket drift reduction valves

Heavy lift mode

Quick coupler circuit for CW-dedicated coupler

Separate dedicated swing pump

Adjustable hydraulic aggressiveness

Electronic pattern changer

Auxiliary high pressure circuit

BOOM AND STICKS

5.2 m (17'2") variable adjustable boom

UNDERCARRIAGE AND STRUCTURES

Creeper speed

Electronic swing and travel lock

Heavy-duty axles, advanced disc brake system and travel motor, adjustable braking force

Oscillating front axle, lockable, with remote greasing point

Automatic brake/axle lock

4300 kg (9,460 lb) counterweight

All wheel drive

ELECTRICAL SYSTEM

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

Programmable time-delay LED working lights

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)

SAFETY AND SECURITY

Rear- and right-side-view cameras

Wide angle mirrors

Ground-level engine shutoff switch

Anti-skid plate and countersunk bolts on service platform

M317 OPTIONAL EQUIPMENT

NOTE

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

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

CAB

Deluxe cab

Premium cab

CAT TECHNOLOGY

Cat Grade with 2D

Cat Grade with Advanced 2D

Cat Grade with 3D

Payload

2D E-Fence

HYDRAULIC SYSTEM

1-slider joystick

2-slider joystick

Second high-pressure auxiliary circuit (one/ two-way high-pressure flow)

Medium pressure auxiliary circuit (one/twoway medium-pressure flow)

SmartBoom™

Ride control

Cat tiltrotator support

Joystick steering

BOOM AND STICKS

2.2 m (7'3") stick

2.5 m (8'2") stick

UNDERCARRIAGE AND STRUCTURES

10.00-20 16 PR, dual tires

11.00-20 16 PR, dual tires

315/70R22.5, no gap dual tires

445/70R 19.5, single tires

ELECTRICAL SYSTEM

Electrical refueling pump

SERVICE AND MAINTENANCE

Automatic lubrication system for implement and swing system

SAFETY AND SECURITY

360° visibility

Cat asset tracker

Signaling/warning horn

