

Product Specifications For 317



Engine

Net Power - ISO 9249	98.9 kW
Net Power - ISO 9249 (DIN)	134 hp (metric)
Engine Model	Cat C3.6
Engine Power - ISO 14396	100 kW
Engine Power - ISO 14396 (DIN)	136 hp (metric)
Bore	98 mm
Stroke	120 mm
Displacement	3.6 l
Biodiesel Capability	Up to B20 ¹
Emissions	Meets U.S. EPA Tier 4 Final, EU Stage V, Japan 2014 emission standards.
Note (1)	Net power advertised is the power available at the flywheel when the engine is equipped with fan, air intake system, exhaust system and alternator with engine speed at 2,200 rpm. Advertised power is tested per the specified standard in effect at the time of manufacture.

Note (2)

¹Cat diesel engines are required to use ULSD (ultra-low sulfur diesel fuel with 15 ppm of sulfur or less) or ULSD blended with the following lower-carbon intensity fuels** up to: 20% biodiesel FAME (fatty acid methyl ester)* or 100% renewable diesel, HVO (hydrotreated vegetable oil) and GTL (gas-to-liquid) fuels. Refer to guidelines for successful application. Please consult your Cat dealer or “Caterpillar Machine Fluids Recommendations” (SEBU6250) for details. * Engines with no aftertreatment devices can use higher blends, up to 100% biodiesel (for use of blends higher than 20% biodiesel, consult your Cat dealer).** Tailpipe greenhouse gas emissions from lower-carbon intensity fuels are essentially the same as traditional fuels.

Weights

Operating Weight	18400 kg
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Working Ranges And Forces

Maximum Digging Depth	6100 mm
Boom	Reach 5.1 m (16'9")
Stick	Reach R2.6 m (8'6")
Bucket	GD 1.00 m ³ (1.31 yd ³)
Maximum Reach at Ground Level	8790 mm
Maximum Cutting Height	8940 mm
Maximum Loading Height	6270 mm
Minimum Loading Height	2290 mm
Maximum Depth Cut for 2440 mm (8 ft) Level Bottom	5880 mm
Maximum Vertical Wall Digging Depth	4980 mm
Minimum Working Equipment Radius	2980 mm
Bucket Digging Force - ISO	123 kN

Stick Digging Force - ISO

80 kN

Hydraulic System

Main System - Maximum Flow	296 L/min (78 gal/min)
Maximum Pressure - Equipment	35000 kPa
Maximum Pressure - Travel	35000 kPa
Maximum Pressure - Swing	25800 kPa

Swing Mechanism

Swing Speed	8.7 r/min
Maximum Swing Torque	64.6 kN·m

Service Refill Capacities

Fuel Tank Capacity	271 l
Cooling System	22 l
Engine Oil	11 l
Final Drive - Each	6 l
Hydraulic System - Including Tank	94 l
Hydraulic Tank	87 l
DEF Tank	22 l

Dimensions

Boom	Reach 5.1 m (16'9")
Stick	Reach R2.6 m (8'6")

Bucket	GD 1.00 m ³ (1.31 yd ³)
Shipping Height - Top of Cab	2930 mm
Handrail Height	2940 mm
Shipping Length	8550 mm
Tail Swing Radius	2500 mm
Counterweight Clearance	1010 mm
Ground Clearance	430 mm
Track Length	3970 mm
Length to Center of Rollers	3170 mm
Track Gauge	1990 mm
Transport Width	2490 mm

Air Conditioning System

Air Conditioning	The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1430). The system contains 0.9 hg of refrigerant which has a CO2 equivalent of 1.418 metric tonnes.
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317 Standard Equipment

NOTE

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

CAB

Rollover protective structure (ROPS)

Air suspension heated seat, 10" touch screen monitor

CAT TECHNOLOGIES

VisionLink

Cat Payload

Remote Flash
Remote Troubleshoot
Cat Grade with 2D
Cat Assist
Work tool recognition

ELECTRICAL SYSTEM

Maintenance free battery
LED chassis light, left-side/right-side boom lights, cab lights
Programmable time-delay LED working lights

ENGINE

Cat C3.6 single turbo diesel engine
One-touch low idle with automatic engine speed control
Automatic engine idle shutdown
Electric fuel priming pump
Two-stage fuel filtration system with water separator and indicator
Sealed double element air filter with integrated precleaner
Electric cooling fans
Biodiesel capability up to B20
-18°C (-0°F) cold start capability (Australia and New Zealand only)
-25°C (-13°F) cold start capability (Europe only)

HYDRAULIC SYSTEM

Boom and stick regeneration circuit
Automatic hydraulic warm up
Automatic two speed travel
Electric main control valve
Boom and stick drift reduction valve
Element-type main hydraulic filter
Single-type electronic main pump

SAFETY AND SECURITY

2D E-Fence
Rear and right-side-view cameras
Ground-level engine shutoff switch
Service platform with anti-skid plate and countersunk bolts
Signaling/warning horn
Hydraulic lock out lever

SERVICE AND MAINTENANCE

Side entry to service platform
Grouped engine oil and fuel filters
Ground-level engine oil dipstick
Sampling ports for Scheduled Oil Sampling (S·O·S)
Integrated vehicle health management system

UNDERCARRIAGE AND STRUCTURES

Grease lubricated track link
Tie down points on base frame
3.77 mt (8,311 lb) counterweight

317 Optional Equipment

NOTE

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

BOOMS AND STICKS

5.1 m (16'9") Reach boom
2.64 m (8'8") stub + 2.6 (8'6") fore Variable Angle boom (Europe only)
2.25 m (7'5") Reach stick (Europe only)
2.6 m (8'6") Reach stick
3.1 m (10'2") Reach stick
Bucket linkage without lifting eye, Cat Grade

CAB

Operator Protective Guards (OPG)
Cat Stick Steer
Auxiliary relay

CAT TECHNOLOGIES

Cat Grade with 2D with Attachment Ready Option (ARO)
Cat Grade with 3D (single or dual GNSS)
Operator Coaching

ELECTRICAL SYSTEM

360° lighting

HYDRAULIC SYSTEM

Dedicated hydraulic circuit for auxiliary pump

SAFETY AND SECURITY

360° visibility
Swing alarm
Inspection lighting

UNDERCARRIAGE AND STRUCTURES

500 mm (20 in) triple grouser shoes
600 mm (24 in) triple grouser shoes

700 mm (28 in) triple grouser shoes

790 mm (31") triple grouser track shoes with additional steps

2500 mm (8'2") blade

2600 mm (8'6") blade

2700 mm (8'10") blade