

Product Specifications For 315



Engine

Net Power - ISO 9249	80.9 kW
Net Power - ISO 9249 (DIN)	110 hp (metric)
Engine Model	Cat C3.6
Engine Power - ISO 14396	82 kW
Engine Power - ISO 14396 (DIN)	111 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 2,400 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	15400 kg
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Working Ranges And Forces

Maximum Digging Depth	5990 mm
Boom	Reach 4.65 m (15'3")
Stick	Reach R3 m (9'10")
Bucket	GD 0.68 m³ (0.89 yd³)
Maximum Reach at Ground Level	8690 mm
Maximum Cutting Height	9690 mm
Maximum Loading Height	7220 mm
Minimum Loading Height	2080 mm
Maximum Depth Cut for 2440 mm (8 ft) Level Bottom	5810 mm
Maximum Vertical Wall Digging Depth	5180 mm
Minimum Working Equipment Radius	2240 mm
Bucket Digging Force - ISO	98.67 kN

Stick Digging Force - ISO

59.29 kN

Hydraulic System

Main System - Maximum Flow	276 l/min (73 gal/min)
Maximum Pressure - Equipment	35000 kPa
Maximum Pressure - Travel	35000 kPa
Maximum Pressure - Swing	26000 kPa

Swing Mechanism

Swing Speed	12 r/min
Maximum Swing Torque	35 kN·m

Service Refill Capacities

Fuel Tank Capacity	187 l
Cooling System	15 l
Engine Oil	8 l
Final Drive - Each	3 l
Hydraulic System - Including Tank	85 l
Hydraulic Tank	72 l
DEF Tank	21 l

Dimensions

Boom	Reach 4.65 m (15'3")
Stick	Reach R3 m (9'10")

Bucket	GD 0.68 m ³ (0.89 yd ³)
Shipping Height - Top of Cab	2810 mm
Handrail Height	2860 mm
Shipping Length	7440 mm
Shipping Length - with Blade	8010 mm
Tail Swing Radius	1570 mm
Counterweight Clearance	880 mm
Ground Clearance	440 mm
Track Length	3750 mm
Length to Center of Rollers	3040 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 0.8 hg of refrigerant which has a CO2 equivalent of 1.144 metric tonnes.
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Sustainability

Recyclability	95%
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315 Standard Equipment

NOTE

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

CAB

Rollover Protective Structure (ROPS)

Air suspension heated seat, 254 mm (10") touchscreen monitor

CAT TECHNOLOGIES

VisionLink®

Remote Flash

Remote Troubleshoot

Cat Grade with 2D

Cat Assist

Cat Payload

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 auto engine speed control

Auto engine shutdown

52°C (125°F) high-ambient cooling capacity without de-rate

-25°C (-13°F) cold start capability

Electric fuel priming pump

Variable speed fan

Single fuel filtration system

Double element air filter with integrated precleaner

HYDRAULIC SYSTEM

Boom and stick regeneration circuit

Auto hydraulic warm up

Auto two speed travel

Electric main control valve

Boom and stick drift reduction valve

Electric boom snubber

SAFETY AND SECURITY

Ground-level engine shutoff switch

Service platform with anti-skid plate and countersunk bolts

Signaling/warning horn

2D E-Fence

SERVICE AND MAINTENANCE

Grouped engine oil and fuel filters

Ground-level engine oil dipstick

Integrated vehicle health management system

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

UNDERCARRIAGE AND STRUCTURES

Grease lubricated track link

Tie down points on base frame

3830 kg (8,440 lb) counterweight

315 Optional Equipment

NOTE

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

BOOM AND STICKS

4.65 m (15'3") Reach boom

2.4 m (7'8") stub + 2.44 (8'0") fore Variable Angle boom

4.27 m (14'4") Power Offset boom

2.2 m (7'3") Reach stick

2.5 m (8'2") Reach stick

3.0 m (9'10") Reach stick

2.8 m (9'2") Reach stick

2.8 m (9'2") Thumb Ready stick

CAB

Operator Protective Guards (OPG)

Cat Stick Steer

Auxiliary relay

CAT TECHNOLOGIES

VisionLink Productivity

Cat Grade 2D with Attachment Ready Option (ARO)

Cat Grade with 3D (single or dual GNSS)

Operator Coaching

ELECTRICAL SYSTEM

360° lighting

HYDRAULIC SYSTEM

Boom and stick lowering check valves

SAFETY AND SECURITY

Cat Detect - People Detection

Cat Command remote control

360° visibility

Swing alarm

Inspection lighting

Rear and right-side-view cameras

UNDERCARRIAGE AND STRUCTURES

500 mm (20 in) triple grouser shoes

500 mm (20") rubber track shoes

500 mm (20 in) triple grouser shoes with rubber pad

600 mm (24 in) triple grouser shoes

600 mm (24") rubber track shoes

700 mm (28 in) triple grouser shoes

2500 mm (8'2") blade

2600 mm (8'6") blade

2700 mm (8'10") blade