

Product Specifications For 315



Engine

Net Power - ISO 9249	108 hp
Net Power - ISO 9249 (DIN)	110 hp (metric)
Engine Model	Cat C3.6
Engine Power - ISO 14396	110 hp
Engine Power - ISO 14396 (DIN)	111 hp (metric)
Bore	4 in
Stroke	5 in
Displacement	220 in ³
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.

Hydraulic System

Main System - Maximum Flow	276 l/min (73 gal/min)
Maximum Pressure - Equipment	5075 psi
Maximum Pressure - Travel	5075 psi
Maximum Pressure - Swing	3770 psi

Swing Mechanism

Swing Speed	12 r/min
Maximum Swing Torque	25815 lbf·ft

Weights

Operating Weight	34000 lb
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Service Refill Capacities

Fuel Tank Capacity	49 gal (US)
Cooling System	4 gal (US)
Engine Oil	2 gal (US)
Final Drive - Each	1 gal (US)
Hydraulic System - Including Tank	22.5 gal (US)

Hydraulic Tank	19 gal (US)
DEF Tank	6 gal (US)

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	9.3 ft
Handrail Height	9.4 ft
Shipping Length	24.4 ft
Shipping Length - with Blade	26.3 ft
Tail Swing Radius	5.2 ft
Counterweight Clearance	2.9 ft
Ground Clearance	1.4 ft
Track Length	12.3 ft
Length to Center of Rollers	10 ft
Track Gauge	6.5 ft
Transport Width	8.2 ft

Working Ranges And Forces

Maximum Digging Depth	19.7 ft
Boom	Reach 4.65 m (15'3")

Stick	Reach R3 m (9'10")
Bucket	GD 0.68 m ³ (0.89 yd ³)
Maximum Reach at Ground Level	28.5 ft
Maximum Cutting Height	31.8 ft
Maximum Loading Height	23.7 ft
Minimum Loading Height	6.8 ft
Maximum Depth Cut for 2440 mm (8 ft) Level Bottom	19.1 ft
Maximum Vertical Wall Digging Depth	17 ft
Minimum Working Equipment Radius	7.3 ft
Bucket Digging Force - ISO	22180 lbf
Stick Digging Force - ISO	13330 lbf

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