

PRODUCT SPECIFICATIONS FOR 313

Net Power - ISO 9249	80.9 kW
Engine Model	Cat C3.6
Engine Power - ISO 14396	82 kW
Bore	98 mm
Stroke	120 mm
Displacement	3.6 l
Main System - Maximum Flow	247 L/min (65 gal/min)
Maximum Pressure - Equipment	35000 kPa
Maximum Pressure - Travel	35000 kPa
Maximum Pressure - Swing	26000 kPa
Swing Speed	11.5 r/min
Maximum Swing Torque	35 kN·m
Operating Weight	13800 kg
Fuel Tank Capacity	258 l
Cooling System	15 l

Engine Oil	8 l
Final Drive - Each	3 l
Hydraulic System - Including Tank	145 l
Hydraulic Tank	70 l
DEF Tank	21 l
Boom	Reach 4.65 m (15'3")
Stick	Reach R3 m (9'8")
Bucket	GD 0.53 m ³ (0.69 yd ³)
Shipping Height - Top of Cab	2810 mm
Handrail Height	2810 mm
Shipping Length	7780 mm
Shipping Length - with Blade	8050 mm
Tail Swing Radius	2190 mm
Counterweight Clearance	915 mm
Ground Clearance	445 mm
Track Length	3750 mm
Length to Center of Rollers	3040 mm
Track Gauge	1990 mm

Transport Width 2490 mm

Maximum Digging Depth 6040 mm

Boom Reach 4.65 m (15'3")

Stick Reach R3 m (9'8")

Bucket GD 0.53 m³ (0.69 yd³)

Maximum Reach at Ground Level 8660 mm

Maximum Cutting Height 8830 mm

Maximum Loading Height 6420 mm

Minimum Loading Height 1600 mm

Maximum Depth Cut for 2440 mm (8 ft) Level Bottom 5860 mm

Maximum Vertical Wall Digging Depth 5190 mm

Minimum Working Equipment Radius 2570 mm

Bucket Digging Force - ISO 98.67 kN

Stick Digging Force - ISO 59.29 kN

Air Conditioning 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.

313 STANDARD EQUIPMENT

NOTE

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

CAB

ROPS, sound suppression

CAT TECHNOLOGIES

Cat Product Link

Cat GRADE with 2D

Cat PAYLOAD

2D E-Fence

Remote troubleshoot capability

Auto hammer stop

ELECTRICAL SYSTEM

Maintenance free battery

LED chassis light, left-side/right-side boom lights, cab lights

Programmable time-delay LED working lights

ENGINE

C3.6 StageV/Tier 4 Final 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
Biodiesel capability up to B20

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
Auxiliary line support

SAFETY AND SECURITY

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

Grouped engine oil and fuel filters
Ground-level engine oil dipstick
Sampling ports for Scheduled Oil Sampling (S·O·S)

UNDERCARRIAGE AND STRUCTURES

Grease lubricated track link
Tie down points on base frame
2470 kg (5,445 lb) counterweight

313 OPTIONAL EQUIPMENT

NOTE

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

BOOM AND STICKS

One-piece boom

Variable angle boom

R2.2 m (7'3") stick

R2.5 m (8'2") stick

R2.8 m (9'2") stick

R3.0 m (9'8") stick

CAB

Deluxe Cab: air suspension heated seat, 10" touch screen monitor

Premium Cab: air suspension heated and cooled seat, 10" touch screen monitor

Cat Stick Steer

CAT TECHNOLOGIES

Cat GRADE with Advanced 2D

Cat GRADE with 3D

ELECTRICAL SYSTEM

Premium surround lighting package

360° lighting

HYDRAULIC SYSTEM

Boom and stick lowering check valves

Medium-pressure line

High-pressure line

Quick coupler line

SAFETY AND SECURITY

360° visibility

Cat Detect People Detection

UNDERCARRIAGE AND STRUCTURES

500 mm (20 in) triple grouser shoes

600 mm (24 in) triple grouser shoes

700 mm (28 in) triple grouser shoes

770 mm (30 in) triple grouser shoes

2500 mm (8'2") blade

2600 mm (8'6") blade

2700 mm (8'10") blade

