

# PRODUCT SPECIFICATIONS FOR 313

US Metric

**Net Power - ISO 9249**

108 HP

**Engine Model**

Cat C3.6

**Engine Power - ISO 14396**

110 HP

**Bore**

4 in

**Stroke**

5 in

**Displacement**

220 in<sup>3</sup>

**Main System - Maximum Flow**

247 L/min (65 gal/min)

**Maximum Pressure - Equipment**

5075 psi

**Maximum Pressure - Travel**

5075 psi

**Maximum Pressure - Swing**

3770 psi

**Swing Speed**

11.5 r/min

**Maximum Swing Torque**

25741 ft·lbf

**Operating Weight**

30400 lb

**Fuel Tank Capacity**

68.2 gal (US)

<b>Cooling System</b>	4 gal (US)
<b>Engine Oil</b>	2.1 gal (US)
<b>Final Drive - Each</b>	0.8 gal (US)
<b>Hydraulic System - Including Tank</b>	22.5 gal (US)
<b>Hydraulic Tank</b>	18.5 gal (US)
<b>DEF Tank</b>	5.6 gal (US)
<b>Boom</b>	Reach 4.65 m (15'3")
<b>Stick</b>	Reach R3 m (9'8")
<b>Bucket</b>	GD 0.53 m <sup>3</sup> (0.69 yd <sup>3</sup> )
<b>Shipping Height - Top of Cab</b>	9.2 ft
<b>Handrail Height</b>	9.2 ft
<b>Shipping Length</b>	25.5 ft
<b>Shipping Length - with Blade</b>	26.4 ft
<b>Tail Swing Radius</b>	7.2 ft
<b>Counterweight Clearance</b>	3 ft
<b>Ground Clearance</b>	1.5 ft
<b>Track Length</b>	12.3 ft
<b>Length to Center of Rollers</b>	9.9 ft

<b>Track Gauge</b>	6.5 ft
<b>Transport Width</b>	8.1 ft
<b>Maximum Digging Depth</b>	19.8 ft
<b>Boom</b>	Reach 4.65 m (15'3")
<b>Stick</b>	Reach R3 m (9'8")
<b>Bucket</b>	GD 0.53 m <sup>3</sup> (0.69 yd <sup>3</sup> )
<b>Maximum Reach at Ground Level</b>	29.4 ft
<b>Maximum Cutting Height</b>	28.9 ft
<b>Maximum Loading Height</b>	21 ft
<b>Minimum Loading Height</b>	5.2 ft
<b>Maximum Depth Cut for 2440 mm (8 ft) Level Bottom</b>	19.2 ft
<b>Maximum Vertical Wall Digging Depth</b>	17 ft
<b>Minimum Working Equipment Radius</b>	8.4 ft
<b>Bucket Digging Force - ISO</b>	22180 lbf
<b>Stick Digging Force - ISO</b>	13330 lbf
<b>Air Conditioning</b>	The air conditioning system on this machine contains the fluorinated greenhouse gas refrigerant R134a (Global Warming Potential = 1430). The system contains 0.85 hg of refrigerant which has a CO <sub>2</sub> 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 (9'10") stick

VA boom

## **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  
600mm rubber shoe  
770 mm TG shoes for long U/C with additional steps

