

# PRODUCT SPECIFICATIONS FOR 315



## ENGINE

---

<b>Net Power - ISO 9249</b>	80.9 kW
<b>Engine Model</b>	Cat C3.6
<b>Engine Power - ISO 14396</b>	82 kW
<b>Bore</b>	98 mm
<b>Stroke</b>	120 mm
<b>Displacement</b>	3.6 l

## HYDRAULIC SYSTEM

---

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

## SWING MECHANISM

---

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

## WEIGHTS

---

**Operating Weight** 15400 kg

## SERVICE REFILL CAPACITIES

---

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

## DIMENSIONS

---

<b>Boom</b>	Reach 4.65 m (15'3")
<b>Stick</b>	Reach R3 m (9'10")
<b>Bucket</b>	GD 0.53 m <sup>3</sup> (0.69 yd <sup>3</sup> )
<b>Shipping Height - Top of Cab</b>	2810 mm
<b>Handrail Height</b>	2860 mm
<b>Shipping Length</b>	7530 mm
<b>Shipping Length - with Blade</b>	8090 mm
<b>Tail Swing Radius</b>	1570 mm
<b>Counterweight Clearance</b>	880 mm
<b>Ground Clearance</b>	440 mm
<b>Track Length</b>	3750 mm
<b>Length to Center of Rollers</b>	3040 mm
<b>Track Gauge</b>	1990 mm
<b>Transport Width</b>	2490 mm

## WORKING RANGES & FORCES

---

<b>Maximum Digging Depth</b>	5990 mm
<b>Boom</b>	Reach 4.65 m (15'3")
<b>Stick</b>	Reach R3 m (9'10")
<b>Bucket</b>	GD 0.53 m <sup>3</sup> (0.69 yd <sup>3</sup> )
<b>Maximum Reach at Ground Level</b>	8690 mm
<b>Maximum Cutting Height</b>	9690 mm
<b>Maximum Loading Height</b>	7220 mm
<b>Minimum Loading Height</b>	2080 mm
<b>Maximum Depth Cut for 2440 mm (8 ft) Level Bottom</b>	5810 mm
<b>Maximum Vertical Wall Digging Depth</b>	5180 mm
<b>Minimum Working Equipment Radius</b>	2240 mm
<b>Bucket Digging Force - ISO</b>	98.67 kN
<b>Stick Digging Force - ISO</b>	59.29 kN

## 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.

## SUSTAINABILITY

---

**Recyclability** 95%

## 315 STANDARD EQUIPMENT

### NOTE

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

### CAB

- Rollover Protective Structure (ROPS)

### CAT TECHNOLOGIES

- Cat Product Link
- Remote Flash
- Remote Troubleshoot
- Cat Grade with 2D
- Cat Assist
- Cat Payload
- 2D E-Fence

### 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
- 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

## **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
- 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
- 2.8 m (9'2") Reach stick
- 2.8 m (9'2") Thumb Ready stick
- 3.0 m (9'10") Reach stick

## **CAB**

- Deluxe cab: air suspension heated seat, 254 mm (10") touchscreen monitor
- Premium cab: air suspension heated and cooled seat, 10" touchscreen monitor
- Cat Stick Steer
- Auxiliary relay

## **CAT TECHNOLOGIES**

- Cat Grade with Advanced 2D
- Cat Grade with 3D single GNSS
- Cat Grade with 3D dual GNSS

## **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

## **SERVICE AND MAINTENANCE**

- Integrated vehicle health management system

## **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
- 770 mm (30 in) triple grouser shoes
- 2500 mm (8'2") blade
- 2600 mm (8'6") blade
- 2700 mm (8'10") blade