

# PRODUCT SPECIFICATIONS FOR 315



## ENGINE

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>

## 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 ft·lbf

## 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 0.53 m³ (0.69 yd³)
Shipping Height - Top of Cab	9.2 ft
Handrail Height	9.3 ft
Shipping Length	24.7 ft
Shipping Length - with Blade	26.5 ft
Tail Swing Radius	5.1 ft
Counterweight Clearance	2.8 ft
Ground Clearance	1.4 ft
Track Length	12.3 ft

Length to Center of Rollers	9.9 ft
Track Gauge	6.5 ft
Transport Width	8.1 ft

# WORKING RANGES & FORCES

Maximum Digging Depth	19.6 ft
Boom	Reach 4.65 m (15'3")
Stick	Reach R3 m (9'10")
Bucket	GD 0.53 m³ (0.69 yd³)
Maximum Reach at Ground Level	28.5 ft
Maximum Cutting Height	31.7 ft
Maximum Loading Height	23.6 ft
Minimum Loading Height	6.8 ft
Maximum Depth Cut for 2440 mm (8 ft) Level Bottom	19 ft
Maximum Vertical Wall Digging Depth	16.9 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%

## 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