

# PRODUCT SPECIFICATIONS FOR 313F L

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## ENGINE

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Net Power - ISO 9249	68 kW
Engine Model	C4.4
Engine Power - ISO 14396	74 kW
Bore	105 mm
Stroke	127 mm
Displacement	4.4 l

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## HYDRAULIC SYSTEM

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Main System - Maximum Flow	256 l/min (67 gal/min)
Maximum Pressure - Equipment	30500 kPa
Maximum Pressure - Swing	25000 kPa
Maximum Pressure - Travel	35000 kPa

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## SWING MECHANISM

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Swing Speed	10.9 r/min
Maximum Swing Torque	30.9 kN·m

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## WEIGHTS

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Operating Weight	15000 kg
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## SERVICE REFILL CAPACITIES

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<b>Fuel Tank Capacity</b>	250 l
<b>Cooling System</b>	11 l
<b>Engine Oil</b>	13.5 l
<b>Swing Drive</b>	2.4 l
<b>Final Drive - Each</b>	3 l
<b>Hydraulic System - Including Tank</b>	103 l
<b>Hydraulic Tank</b>	90.6 l
<b>DEF Tank</b>	19.6 l

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## DIMENSIONS

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<b>Boom</b>	Reach 4.65 m (15'3")
<b>Stick</b>	R3 m (9'10")
<b>Bucket</b>	GD .53 m3 (.69 yd3)
<b>Shipping Height - Top of Cab</b>	2820 mm
<b>Shipping Length</b>	7670 mm
<b>Shipping Length - with Blade</b>	7960 mm
<b>Tail Swing Radius</b>	2160 mm
<b>Counterweight Clearance</b>	890 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>	2690 mm

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## WORKING RANGES & FORCES

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<b>Maximum Digging Depth</b>	6040 mm
<b>Boom</b>	Reach 4.65 m (15'3")
<b>Stick</b>	R3 m (9'10")
<b>Bucket</b>	GD .53 m3 (.69 yd3)
<b>Maximum Reach at Ground Level</b>	8230 mm
<b>Maximum Cutting Height</b>	8720 mm
<b>Maximum Loading Height</b>	6330 mm
<b>Minimum Loading Height</b>	1530 mm
<b>Maximum Depth Cut for 2440 mm (8 ft) Level Bottom</b>	5860 mm
<b>Maximum Vertical Wall Digging Depth</b>	5250 mm
<b>Bucket Digging Force - ISO</b>	21400 kN
<b>Stick Digging Force - ISO</b>	13100 kN

## 313F L STANDARD EQUIPMENT

### NOTE

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

### CAB

ROPS, standard sound suppression

Adjustable seat, armrest, and console

177 mm (7 in) color LCD monitor

Auto climate control

AM/FM radio

Travel control pedals with removable hand levers

### CAT CONNECT TECHNOLOGY

Cat Product Link

### ELECTRICAL SYSTEM

Two 12V, 10A power supplies

Left side boom light with delay

Left-side boom light with delay

Cab light with time delay

## ENGINE

C4.4 Tier 4 Final, Stage IV diesel engine

Biodiesel capable up to B20

2300 m (7,500 ft) altitude capability

Auto engine speed control

Side-by-side cooling system

18°C (0°F) cold start capability

Block heater capability

Engine idle shutdown function

## HYDRAULIC SYSTEM

Boom and stick regeneration circuit

Auto swing brake

High-performance hydraulic return filter

## SERVICE AND MAINTENANCE

S·O·S sampling ports for coolant, engine and hydraulic oil

## SAFETY AND SECURITY

One key security system

Door and cap locks

Lockable external tool/storage box

Signaling/warning horn

Secondary engine shutoff switch

Emergency boom down

Openable skylight as emergency exit

Rearview camera

Mirrors, rearview (frame -right, cab - left)

## UNDERCARRIAGE AND STRUCTURES

2.2 mt (4,850 lb) counterweight

2.2 mt (4,000 lb) counterweight

Towing eye on base frame

Grease Lubricated Track GLT1, resin seal

## 313F L OPTIONAL EQUIPMENT

### NOTE

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

### BOOM AND STICK

4.65 m (15'3") reach boom

Variable angle boom

R3.0 m (9'10") stick

R2.8 m (9'2") stick

R2.5 m (8'2") stick

R2.1 m (6'11") stick

### CAT CONNECT TECHNOLOGY

Cat GRADE Control 2D Depth and Slope

Cat AccuGrade™

### ELECTRICAL SYSTEM

Right-side boom light

Premium surround lighting package

### ENGINE

Electric priming pump

-25° C (-13° F) cold start capability

### HYDRAULIC SYSTEM

Fine swing control

Auxiliary hydraulics

Quick coupler line

Boom lowering control valve

Stick lowering check valve

Two way control pattern quick-changer

Two-way control pattern quick changer

Medium-pressure line

High-pressure line

## SAFETY AND SECURITY

Bolt-on FOGS

## UNDERCARRIAGE AND STRUCTURES

500 mm (20") triple grouser shoes

600 mm (24") triple grouser shoes

700 mm (28") triple grouser shoes

Rubber pad for 500 mm (20") triple grouser shoes

Center track guiding guard

Segmented two-piece track guiding guard

2500 mm (8'2") blade with replaceable cutting edge with lever control

2600 mm (8'6") blade with replaceable cutting edge with lever control

2700 mm (8'10") blade with replaceable cutting edge with lever control