



Cat[®] TH514

Telehandler

Specifications

Engine

Model	Cat [®] C4.4 DITAAC	
Gross Power	74.5 kW/101 hp	
Maximum Torque	410 Nm/1400 rpm	
Bore	105 mm	(4.13 in)
Stroke	127 mm	(5 in)
Displacement	4.4 L	(268.5 in ³)

Weights

Operating Weight with Carriage & Forks	10 760 kg	(23,722 lb)
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Operating Specifications

Rated Load Capacity	4990 kg	(11,000 lb)
Maximum Lift Height		
Stabilizers Up	13.7 m	(45 ft)
Stabilizers Down	13.7 m	(45 ft)
Maximum Forward Reach	9.2 m	(30 ft 3 in)
Top Travel Speed	32 kph	(20 mph)
Load at Max Height		
Stabilizers Up	1814 kg	(4,000 lb)
Stabilizers Down	3175 kg	(7,000 lb)
Load at Max Reach		
Stabilizers Up	454 kg	(1,000 lb)
Stabilizers Down	1361 kg	(3,000 lb)
Outside Turning Radius Over Tires	3.92	
m	(12 ft 10 in)	
Outside Turning Radius Over Forks	5.57	
m	(18 ft 3 in)	
Drawbar Pull 74.5 kW	8972 kg	(19,783 lb)

Service Refill Capacities

Fuel Tank	150 L	(39.63 gal)
Hydraulic Tank	90 L	(23.78 gal)

Tires

Standard	14.00-24 16PR TG-02
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Brakes

Service Brakes	Servo assisted on front axle
Parking Brakes	Mechanical on front axle

Hydraulic System

Maximum System Pressure	250 bar	(3,626 PSI)
Maximum Pump Flow	150 L/min	(39.63 gal/min)
Pump Type	Variable displacement load sensing axial piston pump	
Auxiliary Hydraulic Supply		
Intermittent	80 L/min	(21.13 gal/min)
Continuous	60 L/min	(15.85 gal/min)

Transmission Speeds

Forward		
1	7 kph	(4.4 mph)
2	12 kph	(7.5 mph)
3	21 kph	(13.1 mph)
4	32 kph	(19.9 mph)
Reverse		
1	7 kph	(4.4 mph)
2	12 kph	(7.5 mph)
3	21 kph	(13.1 mph)

Boom Performance

Boom Up	17.0 Seconds
Boom Down	10.0 Seconds
Tele In	20.0 Seconds
Tele Out	17.5 Seconds
Crowd Forward (dump)	4.0 Seconds
Crowd Backward	3.0 Seconds
Combined	
Up and Out	28.0 Seconds
Down and In	19.0 Seconds
Bucket Breakout Force to ISO 8313	9687
kg	(21,357 lb)
Boom Breakout Force	6424 kg
	(14,163 lb)

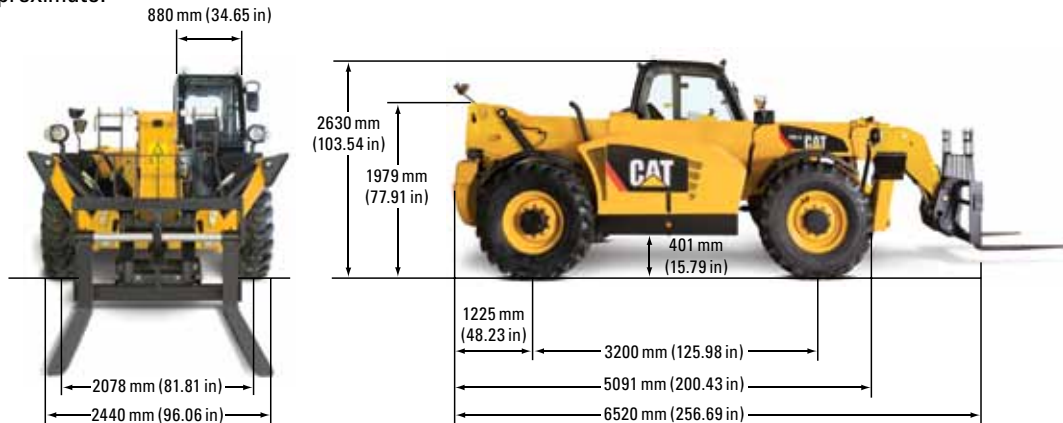
Sound

Operator Sound	78 dB(A)
Exterior Sound (74.5 kW Engine)	106 dB(A)

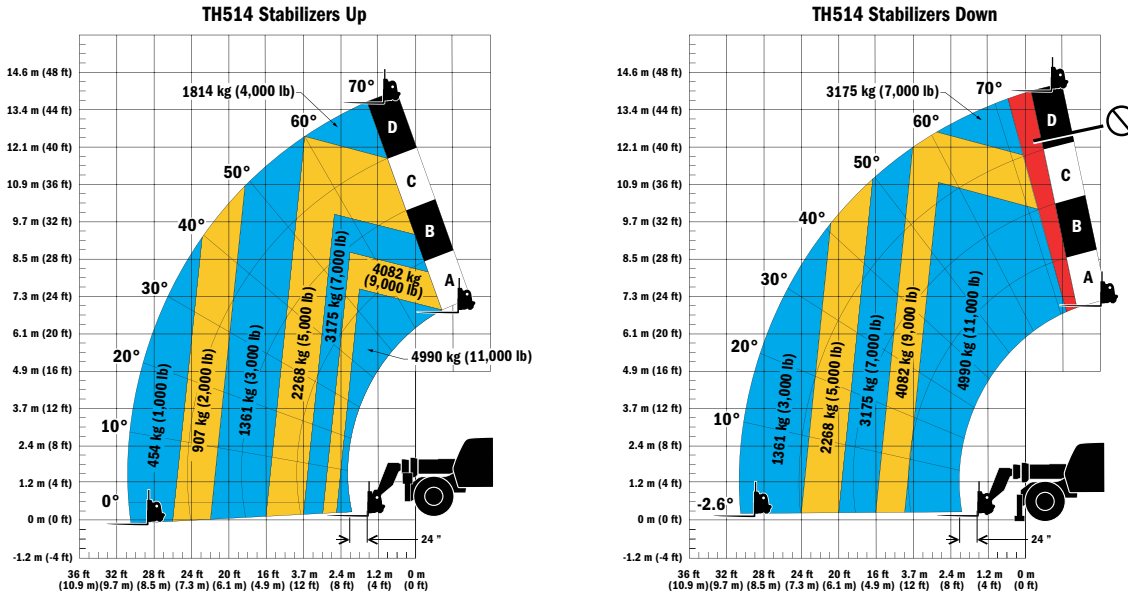
TH514 Telehandler

Dimensions

All dimensions are approximate.



Load Chart and Dimensions



IMPORTANT

Rated lift capacities shown are with machine equipped with carriage and pallet forks. The machine must be level on a firm surface with undamaged, properly inflated tires as specified by the manufacturer. Machine specifications and stability are based on rated lift capacities at specific boom angles and boom lengths.

(If specifications are critical, the proposed application should be discussed with your dealer.)

DO NOT exceed rated lift capacity loads, as unstable and dangerous machine conditions will result.

DO NOT tip the machine forward to determine the allowable load.

Use only JLG approved attachments with proper material handler model/attachment load capacity charts displayed in the operator's cab. OSHA requires all rough terrain forklift operators be trained according to OSHA 29 CFR 1910.178 (1).

Due to continuous product improvements, machine specifications and/or equipment changes may be made without prior notification. This machine meets or exceeds ANSI/ITSDF B56.6-2005 as originally manufactured for intended applications.

For more complete information on Cat products, dealer services, and industry solutions, visit us on the web at www.cat.com

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Materials and specifications are subject to change without notice. Featured machines in photos may include additional equipment. See your Cat dealer for available options.

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