



# Cat<sup>®</sup> TH514C

TELEHANDLER

## Specifications

### Engine

|                         |                         |                       |
|-------------------------|-------------------------|-----------------------|
| Model                   | Cat <sup>®</sup> C3.4B* |                       |
| Gross Power (ISO 14396) | 74.5 kW                 | 100 hp                |
| Maximum Torque          | 420 N·m/1,400 rpm       |                       |
| Bore                    | 99 mm                   | 3.90 in               |
| Stroke                  | 110 mm                  | 4.3 in                |
| Displacement            | 3.4 L                   | 207.5 in <sup>3</sup> |

\* meets U.S. EPA Tier 4 Interim Emission Standards

### Weights

|                                        |           |           |
|----------------------------------------|-----------|-----------|
| Operating Weight with Carriage & Forks | 11 320 kg | 23,722 lb |
|----------------------------------------|-----------|-----------|

### 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                  | 34.7 kph | 21.6 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              | 98 kN    | 22,037 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

### 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       | 5.8 kph  | 3.6 mph  |
| 2       | 10.8 kph | 6.7 mph  |
| 3       | 24.5 kph | 15.2 mph |
| 4       | 34.7 kph | 21.6 mph |
| Reverse |          |          |
| 1       | 5.5 kph  | 3.4 mph  |
| 2       | 10.8 kph | 6.7 mph  |
| 3       | 24 kph   | 14.9 mph |

### Boom Performance

|                                   |              |           |
|-----------------------------------|--------------|-----------|
| Boom Up                           | 13.7 Seconds |           |
| Boom Down                         | 14.6 Seconds |           |
| Tele In                           | 19.1 Seconds |           |
| Tele Out                          | 16.6 Seconds |           |
| Crowd Forward (dump)              | 4.8 Seconds  |           |
| Crowd Backward                    | 4.7 Seconds  |           |
| Combined                          |              |           |
| Up and Out                        | 28.0 Seconds |           |
| Down and In                       | 19.0 Seconds |           |
| Bucket Breakout Force to ISO 8313 | 69 kN        | 15,512 lb |
| Boom Breakout Force               | 95 kN        | 21,357 lb |

### Sound

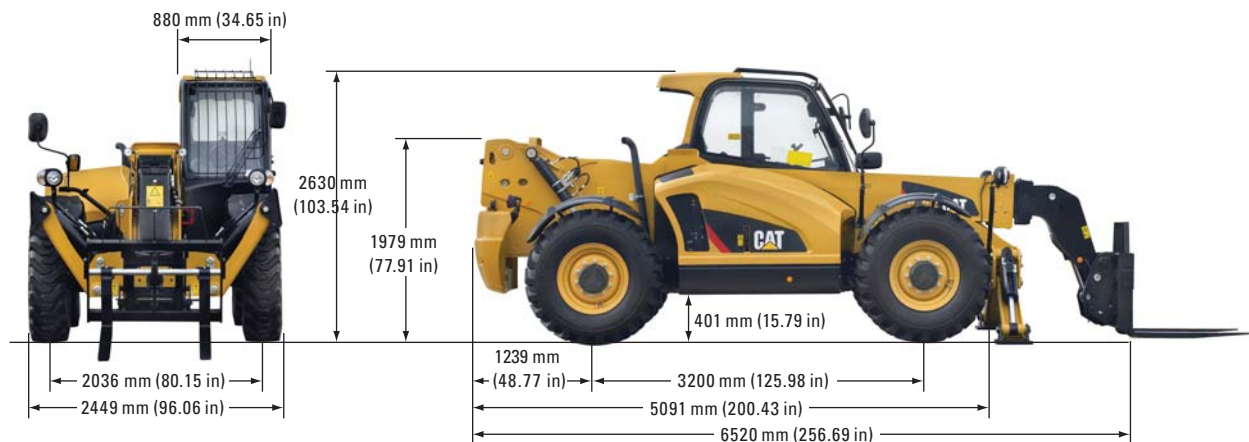
|                                 |           |
|---------------------------------|-----------|
| Exterior Sound (74.5 kW Engine) | 106 dB(A) |
|---------------------------------|-----------|



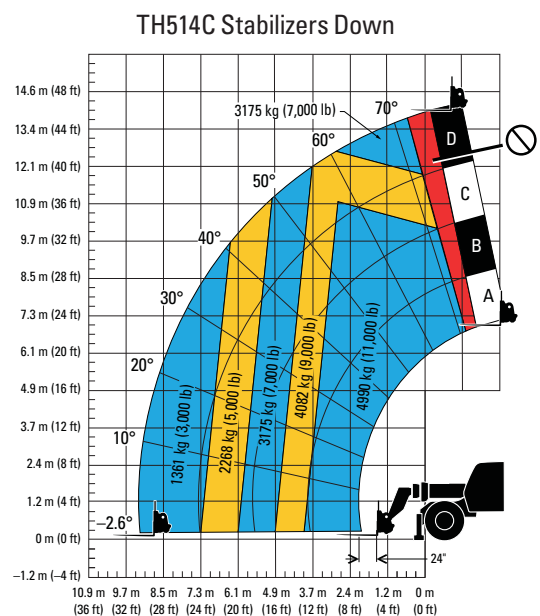
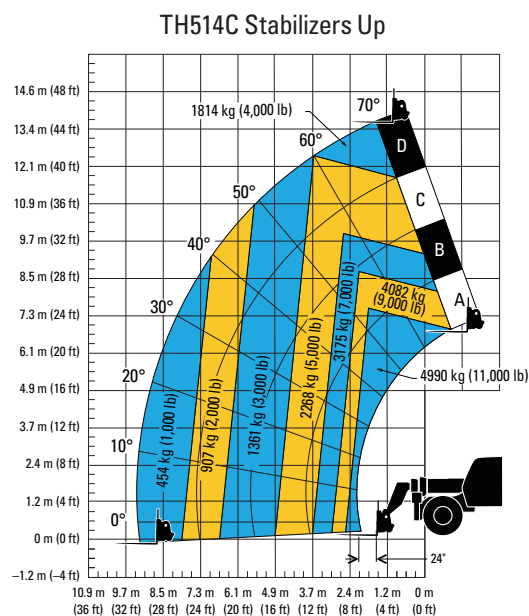
# TH514C Telehandler

## 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 (I).

*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](http://www.cat.com)

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