



# Cat<sup>®</sup> TL642C

## Telehandler

### Specifications

#### Engine

Model	Cat <sup>®</sup> C4.4 ACERT™ Tier 3	
Gross Power (Basic)	74.5 kW	99.9 hp
Maximum Torque (Standard)	420 Nm at 1400 rpm	310 lb-ft
Bore	105 mm	4.1 in
Stroke	127 mm	5 in
Displacement	4.4 L	268 .5 cu in

#### Weights

Operating Weight	9727 kg	21,445 lb
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#### Operating Specifications

Rated Load Capacity	2948 kg	6,500 lb
Maximum Lift Height	12.8 m	42 ft
Maximum Forward Reach	9.1 m	30 ft
Frame Leveling	10°	
Top Travel Speed	33 kph	20.5 mph
Capacity at Max Height	2948 kg	6,500 lb
Capacity at Max Reach	317 kg	700 lb
Turning Radius over Tires	3.7 m	12 ft
Drawbar Pull (Loaded)	93.4 kN	21,000 lb

#### Hydraulic System

Gear Pump	Single-section	
System Operating Pressure	276 bar	4,000 psi

• Auxiliary Hydraulic Circuit used for all attachments equipped with cylinders or other hydraulic components. Consists of valves, controls and hydraulic lines.

#### Service Refill Capacities

Fuel Tank	144 L	38 gal
Hydraulic System	144 L	38 gal

#### Tires

Standard	370/75-28 Duraforce MT	
Optional	370/75-28 Foam Filled	
	13.00 x 24 Foam Filled	
	13.00 x 24 12 PR	

#### Transmission Speeds

Forward	4 speed
Reverse	3 speed

#### Boom Performance

Boom Up	13.7 Seconds
Boom Down	10.6 Seconds
Tele In	14.3 Seconds
Tele Out	15.1 Seconds

#### Axles

- Trunnion mounted planetary 55 degree steer axles.
- Integral steer cylinder.
- High bias limited slip differential on front axle.

#### Brakes

- Service Brakes are inboard wet disc brakes on front and rear axles.
- Parking Brakes are spring-applied hydraulic release on front axle. Light on dash indicates when brake is on.

#### Work Tools

	Includes Auxiliary Electrics	Includes Auxiliary Electrics
Hydraulic IT Coupler	(2) 1220 mm, 60 mm x 125 mm	(2) 48 in, 2.36 in x 5 in
Pallet Forks	(2) 1220 mm, 60 mm x 100 mm (2) 1525 mm, 60 mm x 150 mm	(2) 48 in, 2.36 in x 4 in (2) 60 in, 2.36 in x 6 in
Lumber Forks	(2) 1525 mm, 45 mm x 180 mm (2) 1829 mm, 50 mm x 150 mm	(2) 60 in, 1.75 in x 7 in (2) 72 in, 2 in x 6 in
Cubing Forks	(2) 1220 mm, 50 mm x 50 mm	(2) 48 in, 2 in x 2 in
Carriages:		
Standard Tilt	1270 mm	50 in
Wide Tilt	1829 mm	72 in
Side Shift	1220 mm	48 in
Standard Rotate	1270 mm	50 in
Wide Rotate	1829 mm	72 in
Swing	100°, 1829 mm, 2948 kg Capacity, 2268 kg Swung	100°, 72 in, 6,500 lb Capacity, 5,000 lb Swung
Dual Fork Positioning	1270 mm	50 in



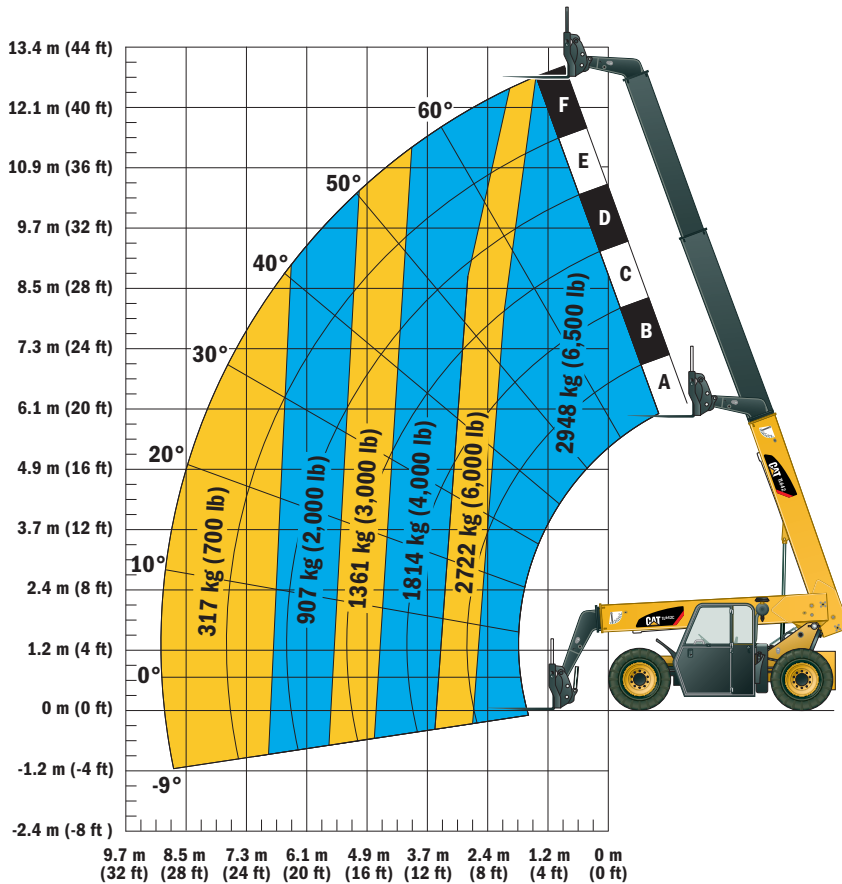
# TL642C Telehandler

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

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