



# Cat<sup>®</sup> TL642

## TELEHANDLER

### Specifications

#### Engine

Model*	Cat <sup>®</sup> 3.6L	
Gross Power (Basic)	55 kW	73.7 hp

\*Meets U.S. EPA Tier 4 Final emission standards.

#### 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°	
Travel Speed	31 km/h	19 mph
Capacity at Max Height	2949 kg	6,500 lb
Capacity at Max Reach	317 kg	700 lb
Turning Radius over Tires	3.7 m	12 ft
Drawbar Pull – Loaded	92 kN	20,670 lbf
Operating Weight	9980 kg	22,002 lb

#### Hydraulic System

Gear Pump	Single-section	
Auxiliary Hydraulic Pressure	240 bar	3,481 psi
Auxiliary Hydraulic Flow	68 L/min	18 gal/min

#### Service Refill Capacities

Fuel Tank	145 L	38.3 gal
Hydraulic System	151.5 L	40 gal

#### Axles and Brakes

- Trunnion mounted planetary 55-degree steer axles
- High bias limited slip differential on front axle
- Service brakes: Inboard wet disc brakes on front and rear axles
- Parking Brakes: Wet disc, spring applied hydraulic release on front axle

#### Transmission Speeds

Forward/Reverse	4 Speeds/3 Speeds
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#### Tires

Standard	370/75-28 Duraforce Air
Optional	370/75-28 Duraforce Foam Fill
	315/95-28 Telemaster Solid
	13.00-24 16PR Air
	13.00-24 12PR Foam
	370/75-28 Non-Marking Air
	370/75-28 Non-Marking Foam

#### Boom Performance

Boom Up/Boom Down	15.0 Seconds/10.3 Seconds
Tele In/Tele Out	9.5 Seconds/16.3 Seconds

#### Optional Work Tool Attachments

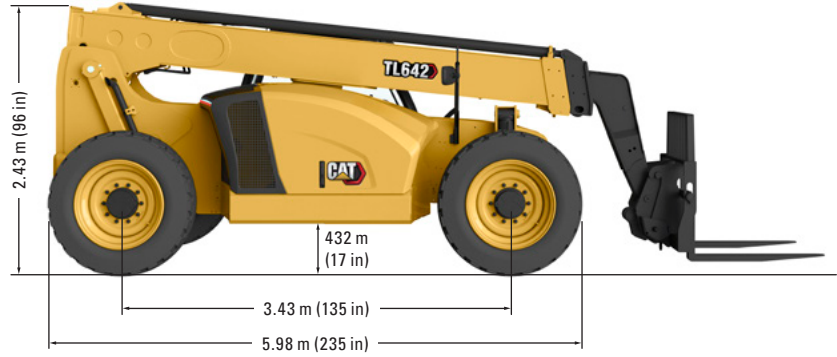
Hydraulic IT Coupler		
Carriages		
Standard Tilt	1270 mm	50 in
	1524 mm	60 in
	1829 mm	72 in
Side Tilt	1270 mm	50 in
	1829 mm	72 in
Side Shift	1270 mm	50 in
Swing, 100°	1829 mm	72 in
Dual Hydraulic Fork Positioner		
	1270 mm	50 in
	1829 mm	72 in
Forks		
Pallet	1220 mm	48 in
	1525 mm	60 in
	1829 mm	72 in
Lumber	1525 mm	60 in
Block/Cubing	1220 mm	48 in
Fork Extensions*	2286 mm	90 in
Buckets		
General Purpose	1.0 m <sup>3</sup>	1.3 yd <sup>3</sup>
	1.5 m <sup>3</sup>	2.0 yd <sup>3</sup>
Multi Purpose	1.0 m <sup>3</sup>	1.3 yd <sup>3</sup>
Grapple	1.3 m <sup>3</sup>	1.7 yd <sup>3</sup>
Material Handling Arm	Adjustable 2-4 m	Adjustable 6.7-13.2 ft
Truss Booms		
	3.7 m	12 ft
	4.6 m	15 ft
Truss with Winch	0.9 m	3 ft
	3.7 m	12 ft
Fork Mounted		
Work Platform	1220 mm × 2438 mm	4 ft × 8 ft
Truss Boom	Adjustable 2.1-3.6 m	Adjustable 7-12 ft
Lifting Hook		
Trash Hopper		

\*For use with 1525 mm (60 in) forks or larger

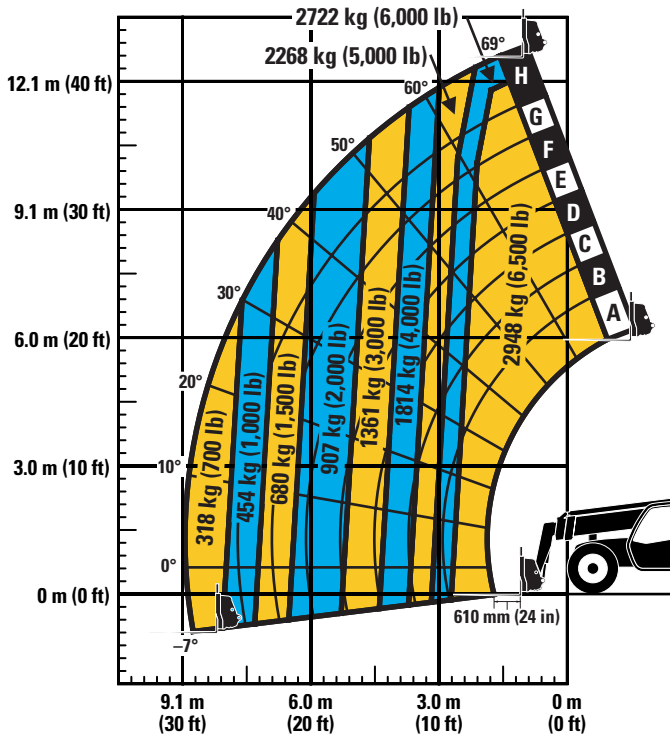


# TL642 Telehandler

## 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.

*Due to continuous product improvements, machine specifications and/or equipment changes may be made without prior notification. This machine meets or exceeds ANSI/ITSDF B56.6-2016 as originally manufactured for intended applications.*

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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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