

PRODUCT SPECIFICATIONS FOR TL642D WITH STABILIZERS

ENGINE

Engine Model	Cat® C3.4B
Gross Power - Basic	100 HP
Note	Meets U.S. EPA Tier 4 Final emission standards.

WEIGHTS

Operating Weight	22928 lb
-------------------------	----------

OPERATING SPECIFICATIONS

Rated Load Capacity	6500 lb
Maximum Lift Height	42 ft
Maximum Forward Reach	30 ft
Top Travel Speed	20 mile/h
Capacity at Maximum Height (o/r Up)	6000 lb
Capacity at Maximum Reach (o/r Down)	1700 lb
Capacity at Maximum Reach (o/r Up)	600 lb
Capacity at Maximum Height (o/r Down)	6500 lb
Turning Radius - Over Tires	12 ft
Drawbar Pull - Loaded	19783 lbf
Frame Leveling	10°

TIRES

Standard	370/75-28 Air Duraforce
Optional (1)	370/75-28 Foam Duraforce
Optional (4)	13.00 × 24 Solid
Optional (3)	13.00 × 24-12 PR Foam Filled
Optional (2)	13.00 × 24-16 PR Air

HYDRAULIC SYSTEM

Gear Pump	Single-section
Note	Auxiliary Hydraulic Circuit used for all attachments equipped with cylinders or other hydraulic components.
System Operating Pressure	3770 psi
Auxiliary Hydraulic Pressure	3481 psi
Auxiliary Hydraulic Flow	18 gal/min

SERVICE REFILL CAPACITIES

Fuel Tank	38.3 gal (US)
Diesel Exhaust Fluid (DEF) Tank	5.7 gal (US)
Hydraulic System	42 gal (US)

BOOM PERFORMANCE

Boom Up	15.5 s
Boom Down	10.7 s
Tele In	11.8 s

Tele Out	17.5 s
-----------------	--------

BRAKES

Parking Brakes	Wet disc, spring applied hydraulic release on front axle
Service Brakes	Inboard wet disc brakes on front and rear axles

AXLES

Type (1)	Trunnion mounted planetary 55 degree steer axles
Type (2)	High bias limited slip differential on front axle

WORK TOOLS

Carriages - Standard Rotate	50 in
Pallet Forks - Option 3	[2] 1525 mm, 60 mm × 150 mm ([2] 60 in, 2.36 in × 6 in)
Pallet Forks - Option 1	[2] 1220 mm, 60 mm × 125 mm ([2] 48 in, 2.36 in × 5 in)
Carriages - Wide Tilt	72 in
Cubing Forks	[2] 1220 mm, 50 mm × 50 mm ([2] 48 in, 2 in × 2 in)
Carriages - Swing	100°, 1829 mm, 2948 kg Capacity, 2268 kg Swung (100°, 72 in, 6,500 lb Capacity, 5,000 lb Swung)
Carriages - Standard Tilt	50 in
Pallet Forks - Option 2	[2] 1220 mm, 60 mm × 100 mm ([2] 48 in, 2.36 in × 4 in)
Carriages - Dual Fork Positioning	50 in
Carriages - Side Shift	48 in
Carriages - Wide Rotate	72 in
Lumber Forks - Option 2	[2] 1829 mm, 50 mm × 150 mm ([2] 72 in, 2 in × 6 in)

in)

Hydraulic IT Coupler

Includes Auxiliary Electrics

Lumber Forks - Option 1

[2] 1525 mm, 45 mm × 180 mm ([2] 60 in, 1.75 in × 7 in)

TRANSMISSION SPEEDS

Forward

4 speed

Reverse

3 speed
