



Performance

Rated Capacity	6,600 lb	2,994 kg
Maximum Lift Height	42 ft	12.8 m
Load at Max Height	6,000 lb	2,721 kg
Maximum Forward Reach	29 ft	8.84 m
Load at Max Reach	1,000 lb	454 kg
Frame Leveling	10°	
Lift Speed (boom retracted)		
Up	13 sec	
Down	9 sec	
Boom Speed		
Extended	15.5 sec	
Retracted	10 sec	
Top Travel Speed (4-Speed)	21 mph	33 kph
Drawbar Pull (loaded)	20,255 lb	90.1 kN
Outside Turning Radius	12 ft	3.67 m
Operating Weight	22,218 lb	10,078 kg

Standard Specifications

Engine

Make and Model	Cummins QSF3.8L Tier 4 F	
No. of Cylinders	4	
Displacement	232 cu in.	3.8 L
Gross Power Basic	110 hp	83 kW
Maximum Torque @ 1500 rpm	348 lb-ft	472 Nm
Fuel Tank Capacity	38.8 gal	145 L

Transmission

Powershift 4-speed forward and 3-speed reverse.

Axles

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

Brakes

Service brakes are inboard wet disc brake on front and rear axles.
Parking brakes are wet disc spring-applied hydraulic release on front axle.

Tires

Standard	370/75-28
Optional	Foam-Filled or Solid

Cab

- Certified ROPS/FOPS structure
- Horn
- Tilt & declutch on joystick
- Adjustable seat
- Single joystick controls
- Anti-theft

Steering 4-Wheel

Power steering with manual backup.
Operator selectable 4-wheel circle, 4-wheel crab, 2-wheel front.

Instruments

- Volt meter
- Engine oil pressure gauge
- Fuel gauge
- Hourmeter
- Temperature gauge
- DEF gauge

Hydraulic System-Implement

Capacity	40 gal	151.4 L
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Gear pump. Auxiliary hydraulics used for all attachments equipped with cylinders or other hydraulic components.

Accessories & Options

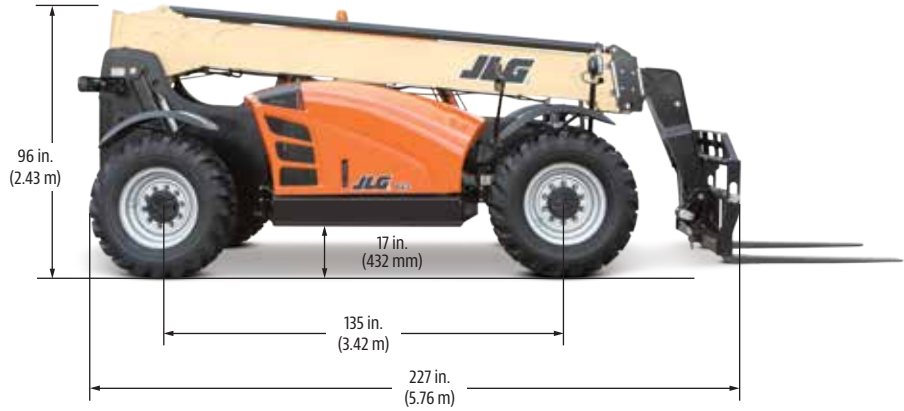
- Enclosed Cab
- Auxiliary Electrics
- Road Lights
- Air Conditioning
- Work Lights
- Rotating Beacon
- Outriggers/Stabilizers
- Hydraulic Coupler
- Fenders
- Brick Guards
- Arctic Package
- Multi-Function Display with Reversing Camera
- Ride Control
- Reverse Sensing System
- Boom Brushes
- Secondary Steering
- Wiper Package

Attachments

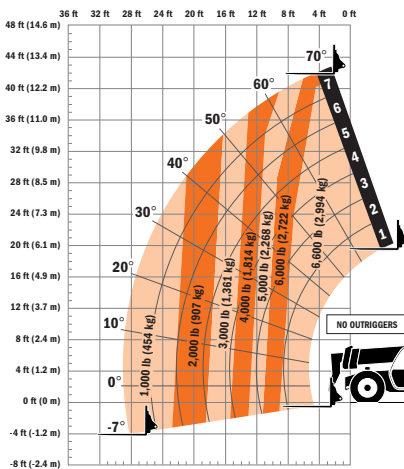
Standard Carriage	50 in.	1.3 m
	60 in.	1.5 m
	72 in.	1.8 m
Side-Tilt Carriage	50 in.	1.3 m
	60 in.	1.5 m
	72 in.	1.8 m
Swing 90° Carriage	72 in.	1.8 m
Dual Fork Positioning Carriage	50 in.	1.3 m
Side-Shift Carriage	50 in.	1.3 m
Tower	8 ft	2.4 m
Tower with Side Tilt	8 ft	2.4 m
Pallet Forks	2.36 in. x 4 in. x 48 in.	60 mm x 102 mm x 1.2 m
	2.36 in. x 5 in. x 48 in.	60 mm x 127 mm x 1.2 m
	2.00 in. x 6 in. x 72 in.	51 mm x 152 mm x 1.8 m
Lumber Forks	2.00 in. x 7 in. x 60 in.	51 mm x 178 mm x 1.5 m
	2.36 in. x 6 in. x 60 in.	60 mm x 152 mm x 1.5 m
Cubing Forks	2 in. x 2 in. x 48 in.	51 mm x 51 mm x 1.2 m
Fork Extensions	90 in.	2.3 m
Material Bucket	72 in., 1.0 cu yd	1.8 m, 0.76 m ³
	96 in., 1.5 cu yd	2.4 m, 1.15 m ³
	102 in., 2.0 cu yd	2.6 m, 1.53 m ³
Grapple Bucket	96 in., 1.75 cu yd	2.4 m, 1.34 m ³
Truss Boom	3 ft (winch), 4,000 lb Capacity	0.9 m, 1,814 kg Capacity
	12 ft, 2,000 lb	3.7 m, 907 kg
	15 ft, 2,000 lb	4.6 m, 907 kg
Truss Boom	12 ft with winch, 2,000 lb	3.7 m, 907 kg
	8 ft, 1,000 lb Capacity	2.4 m, 455 kg Capacity
Fork Mounted Work Platform	4,000 lb Capacity	1,814 kg Capacity
Material Handling Arm	72 in., 1.9 cu yd	1.8 m, 1.5 m ³
Trash Hopper		
Lifting Hook-Fork Mounted		
Lifting Hook-Coupler Mounted		

Dimensions

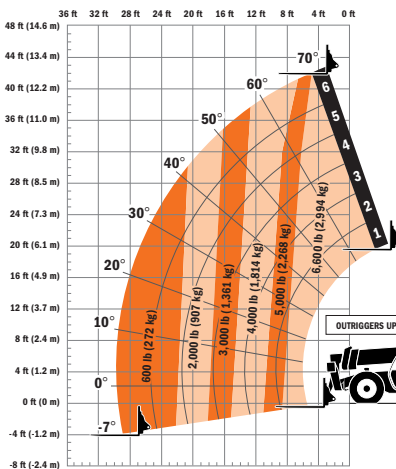
All dimensions are approximate.



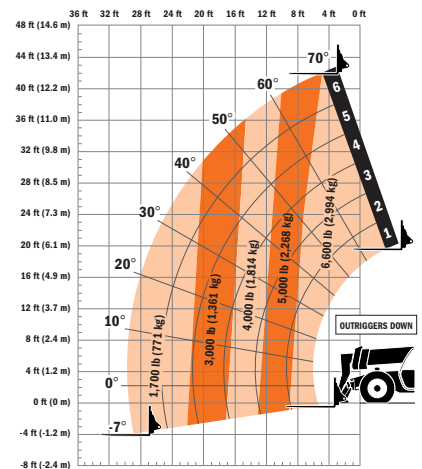
Load Chart



642
Preliminary



642 With Outriggers
Preliminary



642 With Outriggers
Preliminary

The JLG "1 & 5" Warranty

JLG Industries, Inc. backs its products with its exclusive "1 & 5" Warranty. We provide coverage on all products for one (1) full year, and cover all specified major structural components for five (5) years. Due to continuous product improvements, we reserve the right to make specification and/or equipment changes without prior notification. This machine meets or exceeds applicable OSHA Regulations in 29 CFR 1910.67, 29 CFR 1926.453, ANSI A92.5-2006, and CSA Standard CAN3-B354.2-M82, as originally manufactured for intended applications.

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