

Model 644E-42

TELEHANDLER

Lull[®]

Performance

Rated Capacity

6,000 lb (2,722 kg)

Maximum Lift Height

42 ft (12.8 m)

Frame Leveling

12 degrees

Lift Speed (boom retracted)

Up: 12.5 sec

Down: 11.5 sec

Boom Speed (no load)

Extend: 12.5 sec

Retracted: 13.5 sec

Travel Speed Forward

20 mph (32 kmph) max.

Drawbar Pull (loaded)

18,600 lb (8,437 kg)

Operating Weight

With 50 in. Carriage and Forks

24,467 lb (11,098 kg)

Forward Reach

35 ft 6 in. (10.8 m)

Horizontal Load Placement

80 in. (2.0 m)

Standard Specifications

Engine

Make and Model	Cummins B4.5T Turbo
Fuel	Diesel
Cycles	4
No. of Cylinders	4
Displacement	276 cu in (4.5 L)
Torque Rating	305 lb ft (414 Nm)
@ 1,500 rpm	
Rated Speed	2,500 rpm
Max. Gross BHP	99 hp (74 kW)
Fuel Tank	46 gal (174 L)

Engine Filters

Two-stage centrifugal air cleaner.

Serviceable fuel filter/water separator.

Full-flow replaceable-element engine oil filter.

Electrical System

Voltage: 12V

Alternator: 65 amp

Battery: 850 cold cranking amps at 0°F

Transmission

Modulated powershift with integral full gear-drive dropdown.

4-speed forward and 3-speed reverse.

Axles

Full-time planetary 4-wheel drive.

Limited slip front differential.

Stabil-Trak rear axle stability system.

Service Brakes

Inboard mounted internal wet disc brakes.

Parking Brakes

Spring applied, hydraulically released parking brake with transmission declutch feature.

Tires

Standard: 370/75-28.

Fenders

Cab

Certified ROPS/FOPS structure.

Steering wheel mounted horn and back-up alarm.

Rear view mirrors.

Steering

4-wheel circle, 4-wheel crab, 2-wheel front.

Instruments

Hydraulic oil temperature, fuel level, tachometer, and hourmeter gauges.

Warning indicators for transmission oil temperature, hydraulic oil temperature, engine oil pressure, alternator charging, air filter restriction, hydraulic oil filter restriction, and low brake pressure.

Indicators for parking brake, and Stabil-Trak System.

Controls

Multi-function, fully proportional pilot operated joystick controls for boom functions, carriage tilt, auxiliary control, frame leveling, and horizontal load placement system.

Hydraulic System

Load sensing dual gear pump.

50.2 gal (190 L) system capacity.

Auxiliary Hydraulics

Used for all attachments equipped with cylinders or other hydraulic components.

Consists of valves, controls and hydraulic lines.

Accessories & Options

Enclosed Cab

Air Conditioning

Work Lights

Road Lights

Rotating Beacon

Tire Options

Foam-filled

Solid



Attachments

Standard Carriage

50 in. (1.3 m) or 60 in. (1.5 m) or 72 in. (1.8 m)

Side Tilt Carriage

50 in. (1.3 m) or 60 in. (1.5 m) or 72 in. (1.8 m)

Swing Carriage

72 in. (1.8 m); 90 degrees

Side-Shift Carriage

50 in. (1.3 m)

Dual Fork Positioning Carriage

Tower

8 ft (2.4 m), 50 in. (1.3 m) Standard Carriage

Pallet Forks

2.36 x 4 x 48 in. (60 mm x 102 mm x 1.2 m)

2.36 x 5 x 48 in. (60 mm x 127 mm x 1.2 m)

2.00 x 6 x 72 in. (51 mm x 152 mm x 1.8 m)

Lumber Forks

1.75 x 7 x 60 in. (44 mm x 178 mm x 1.2 m)

2.36 x 6 x 60 in. (60 mm x 152 mm x 1.5 m)

Cubing Forks

2 x 2 x 48 in. (51 mm x 51 mm x 1.2 m)

Fork Extensions

90 in. (2.3 m)

Material Bucket

72 in. (1.8 m), 1.0 cu yd ((0.76 m³))

96 in. (2.4 m), 1.5 cu yd (1.15 m³)

102 in. (2.6 m), 2.0 cu yd (1.53 m³)

Grapple Bucket

96 in. (2.4 m), 1.75 cu yd (1.34 m³)

Truss Boom

12 ft (3.7 m), 2,000 lb (907 kg) capacity

15 ft (4.6 m), 2,000 lb (907 kg) capacity

12 ft (3.7 m) with winch, 2,000 lb (907 kg) capacity

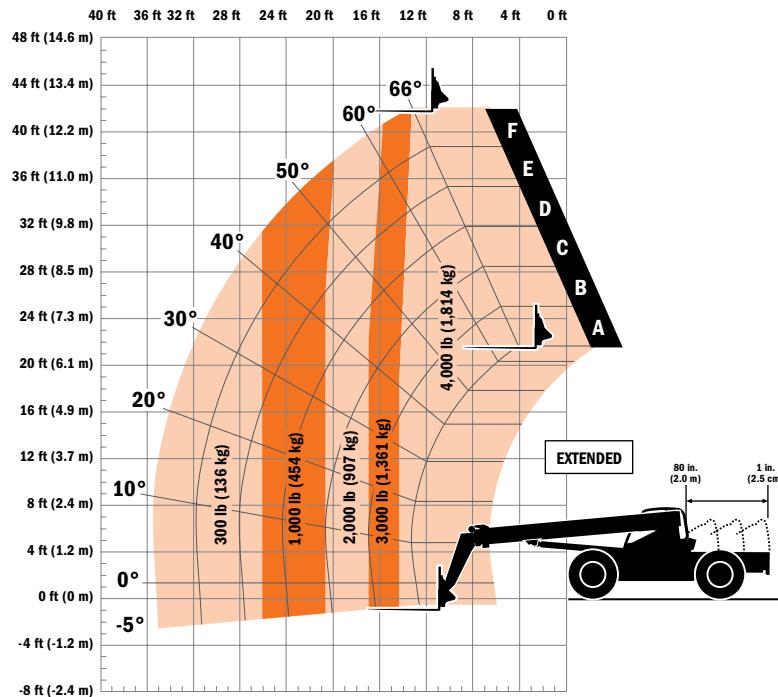
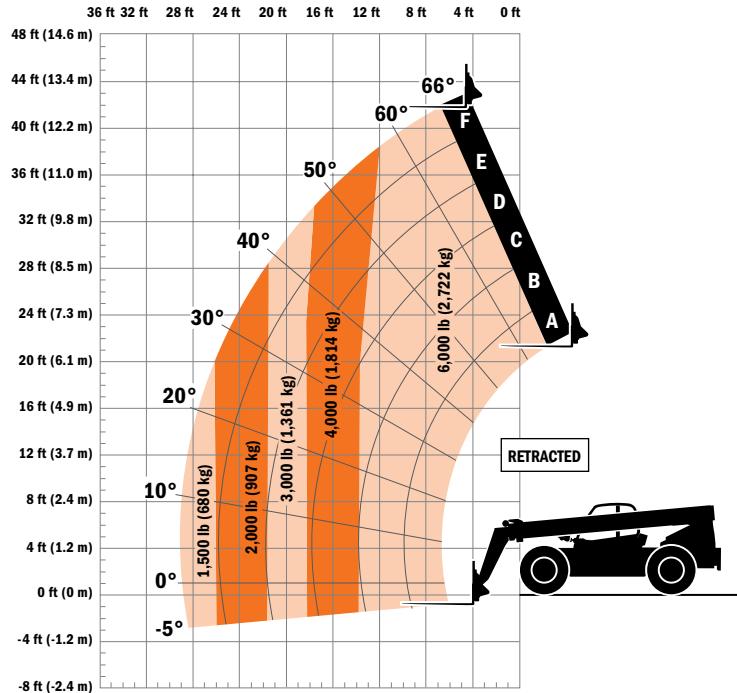
Fork Mounted Work Platform

8 ft (2.4 m), 1,000 lb (455 kg) capacity

Lifting Hook

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Dimensions

Length (less forks)	253 in. (6.43 m)
Width	98 in. (2.48 m)
Height	95.5 in. (2.43 m)
Wheelbase	131 in. (3.32 m)
Ground Clearance	16 in. (406 mm)
Outside Turning Radius	148 in. (3.75 m)
Max. Reach from Front Tires to 24 in. (609 mm)	
Load Center	35.5 ft/29 ft (10.82 m/8.83 m)

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 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(1).



Due to continuous product improvements, JLG Industries reserves the right to make specification and/or equipment changes without prior notification. This machine meets or exceeds ASME B56.6-1998 as originally manufactured for intended applications.

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Printed in USA

JLG Industries, Inc.
1 JLG Drive
McConnellsburg, PA 17233-9533
Telephone 717-485-5161
Toll-free in US 877-JLG-LIFT
Fax 717-485-6417
www.jlg.com
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