

Model

544D10-55

TELEHANDLER

REAR PIVOT STEER



Performance

Rated Capacity

At 24 in. (610 mm) load center,
10,000 lb (4,536 kg)

Maximum Lift Height

55 ft (16.8 m)

Frame Leveling

8 degrees

Lift Speed (boom retracted)

Up: 11.9 sec
Down: 9.3 sec

Boom Speed

Extend: 18.3 sec
Retract: 17.6 sec

Travel Speed Forward

2WD 0-19 mph (30.6 kmph)
4WD 0-6.5 mph (10.5 kmph)

Drawbar Pull (Loaded)

18,400 lb (8,346 kg)

Operating Weight

With 48 in. (1.2 m) carriage and forks,
34,000 lb (15,422 kg)

Standard Specifications

Engine

Make and Model	Cummins QSB4.5 Turbocharged and Aftercooled
Fuel	Diesel
Cycles	4
No. of Cylinders	4
Displacement	276 cu in (4.5 L)
Rated Speed	2,500 rpm
Max. Gross BHP	130 hp (97 kW)
Fuel Tank	38 gal (144 L)

Engine Filters

Two-stage dry air cleaner — centrifugal pre-cleaner with continuous dust ejector plus replaceable dry filter element.

Visual service indicator.

Replaceable spin-on fuel filter. Full-flow replaceable spin-on engine oil filter.

Electrical System

Voltage: 12V

Alternator: 65 amp

Battery: 1050 cold cranking amps at 0°F

Hydrostatic Drive

6,300 PSI (43,437 kPa) closed loop with piston pump and motors.

Integral reservoir with implement hydraulics.

8 micron suction filter for charge pump.

Self-contained, swashplate design, variable displacement, over center, piston pump.

Neutral start switch. (Park brake must also be engaged to start.)

2WD — 4WD inching.

Audible back-up travel alarm mounted in counterweight area signals reverse movement.

Axles

Planetary hubs with piston motors on rear axle.

Piston motor-driven planetary front axle with high-bias differential.

Service Brakes

Hydraulic wet disc brake on each front wheel.

Hydraulic dynamic braking on front axle and both rear wheels.

Parking Brakes

Wet disc spring-applied electro/hydraulic release, fail-safe on both front wheels.

Light on dash indicates when brakes are on.

Tires

Standard: 14:00 x 24 — 12PR, G2 type.

Cab

Certified ROPS/FOPS structure with horn, back-up alarm and standard right side rear view mirror.

Forward, neutral, reverse lever on left of steering column.

Single foot pedal control provides both braking and inching for lifting while maneuvering vehicle.

Electro/hydraulic traction lock valve for superior tractive effort.

Steering

Hydraulic power steering with manual backup.

Rear wheel steering, 90° pivot around either front tire.

Outside turning radius is less than chassis length.

Instruments

Volt meter, hourmeter, engine oil pressure, temperature, fuel gauge.

All gauges protected by clear acrylic cover.

Controls

Grouped for operator comfort and convenience.

2WD and 4WD switch on dash.

Boom lift and crowd on single joystick.

Right-hand tilt and sway lever.

Foot throttle.

Floor mounted traction lock switch.

Hydraulic System-Implement

Single-section gear pump.

40 gal (151.4 L) system capacity.

8 micron filter with visual service indicator and suction strainer.

Lift, telescope, tilt and sway cylinders have safety checks to prevent dropping of load in the event of hose or other hydraulic failure.

Auxiliary Hydraulics

Accessories & Options

Enclosed Cab

Left Hand Tilt/Sway

Joystick Mounted Tilt

Auxiliary Electrics

Instant Hook

Light Group

Pintle Hook

Tires:

Foam-filled

Rock

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 or 180 degrees

Sheet Material Adapter

Tower

8 ft (2.4 m); 50 in. (1.3 m) Standard or Side-tilt 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 1.5 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)

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

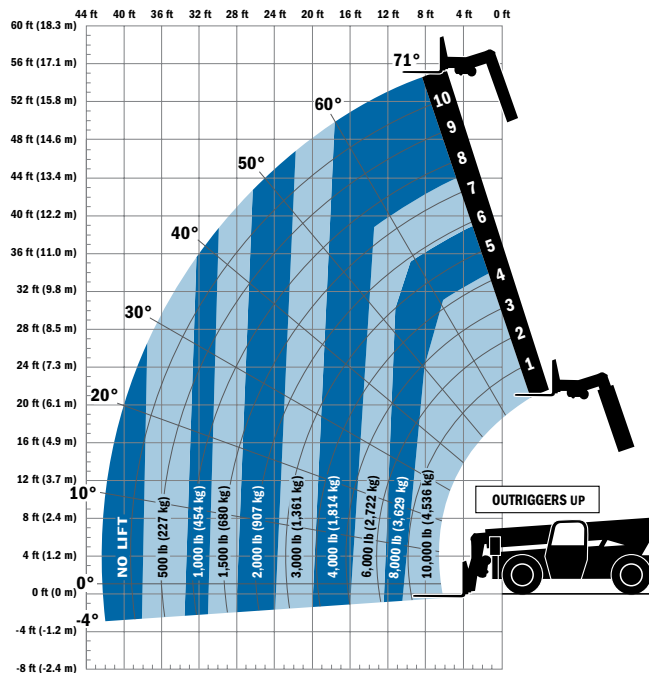
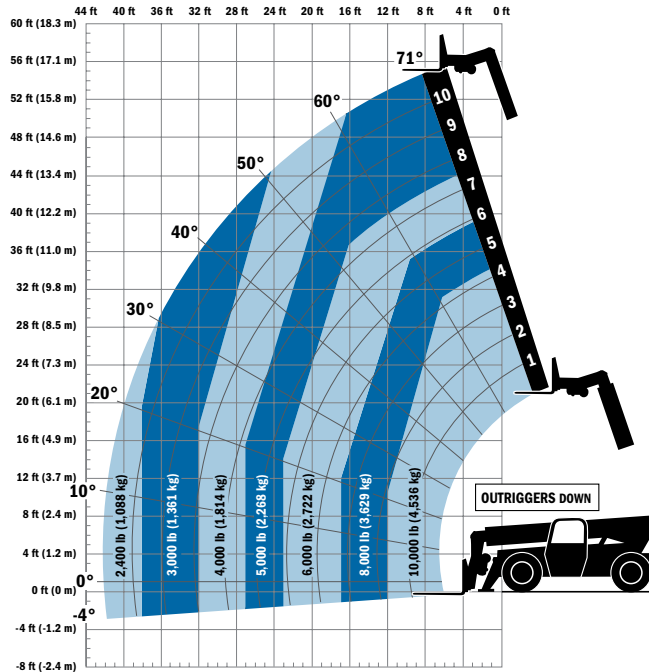
Lifting Hook



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Dimensions

Length (less forks)	237 in. (6.01 m)
Width	98.8 in. (2.50 m)
Height	98 in. (2.48 m)
Wheelbase	135 in. (3.42 m)
Ground Clearance	20.8 in. (528 mm)
Outside Turning Radius	175 in. (4.44 m)
Max. Reach from Front Tires to 24 in. (610 mm) Load Center	42 ft (12.8 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 ANSI/ITSDF B56.6-2005 as originally manufactured for intended applications.

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