

**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

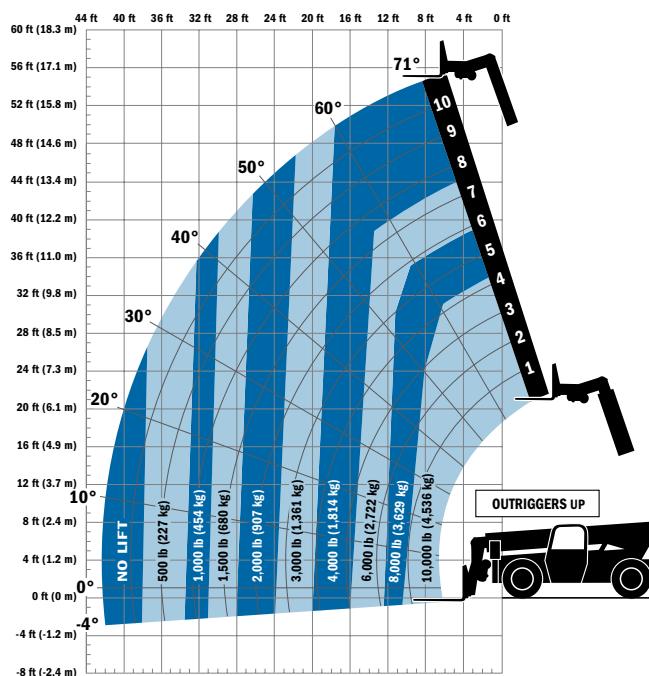
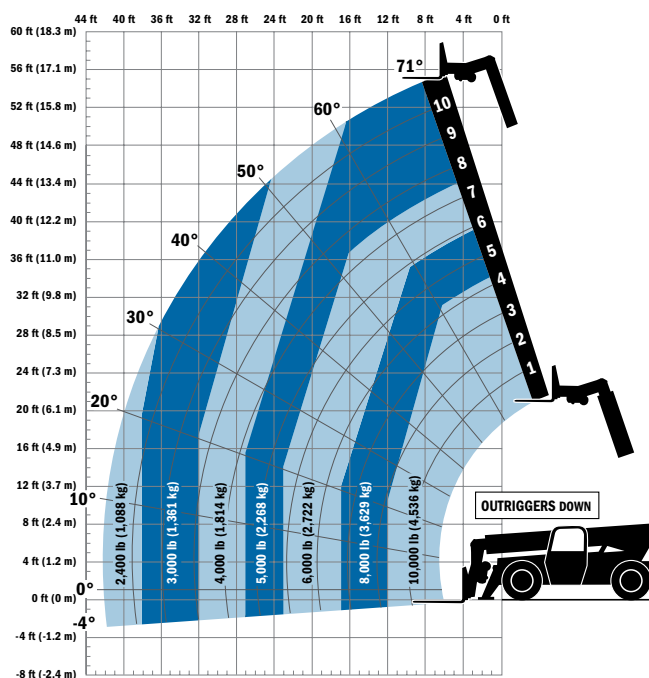
Lifting Hook



Model 544D10-55 TELEHANDLER REAR PIVOT STEER

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)



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.

Form No.: SS-544D-0605-15M
Part No.: 3132227
Printed in USA

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).



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