



Model 534D9-45 TELEHANDLER



GRADALL®

Performance

Rated Capacity

At 24 in. (610 mm) load center,
9,000 lb (4,082 kg)

Maximum Lift Height

45 ft (13.7 m)

Frame Leveling

8 degrees

Lift Speed (boom retracted)

Up: 11.4 sec

Down: 9 sec

Boom Speed

Extend: 15 sec

Retract: 13 sec

Travel Speeds Forward

2WD 0-18 mph (29 kmph)

4WD 0-6 mph (9.7 kmph)

Drawbar Pull (loaded)

20,000 lb (9,072 kg)

Operating Weight

With 48 in. (1.2 m) carriage and forks,
24,420 lb (11,077 kg)

Standard Specifications

Engine

Make and Model	John Deere 4045TF275
	Turbocharged
Fuel	No. 2 Diesel
Cycles	4
No. of Cylinders	4
Displacement	276 cu in (4.5 L)
Rated Speed	2,400 rpm
Max. Gross BHP	110 hp (82 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.

All hydraulic connections ORS and
Code 62 O-ring flanges.

Common 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 and 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, limited slip 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 dashboard indicates when brakes
are on.

Frame mounted right side rear view mirror.

Tires

Standard: 13:00 x 24 — 12PR, G2 type.

Optional: Radial 13:00 x 24 — 12PR
L2 rock tires.

Cab

Certified ROPS/FOPS structure, adjustable seat
and horn.

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.

Key operated ignition/starter switch.

2WD — 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, crowd, tilt and sway cylinders have load
checks to prevent dropping of load in the
event of hose or other hydraulic failure.

Auxiliary Hydraulics

Used for all attachments equipped with
cylinders or other hydraulic components.
Consists of valves, controls and hydraulic lines.

Accessories & Options

Cab Enclosure

Lockable, split door. Windshield wiper.
Heater and defroster fan.

Light Group

2 cab-mounted headlights,
1-backup/tail/stoplight and rotating beacon.

Radial and Rock Tires

Winch

Left Hand Tilt/Sway Control

Tilt on Joystick

Attachments

Standard Carriage

48 in. (1.2 m), 66 in. (1.7 m) or
72 in. (1.8 m)

Side Tilt Carriage

48 in. (1.2 m) and 66 in. (1.7 m)

100° Swing Carriage

72 in. (1.8 m)

Pallet Forks

2 x 6 x 48 in.
(51 mm x 152 mm x 1.2 m)

Cubing Forks

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

Vertical Mast

6 ft (1.8 m)

100° Swing Mast

6 ft (1.8 m) with 48 in. (1.2 m)
or 60 in. (1.7 m) Forks

Truss Boom With or Without Winch

10 ft (3.0 m)

Bucket

0.75 cu yd (0.57 m³) or
1.25 cu yd (0.95 m³)

Work Platform

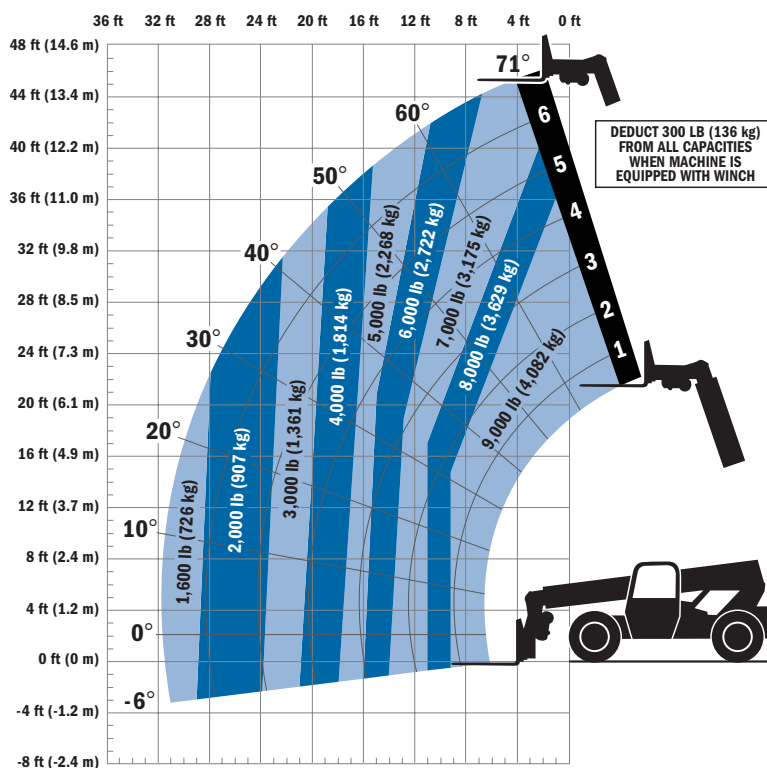
Instant Hook

SPECIFICATIONS



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Dimensions

Length (less forks) 237 in. (6.02 m)
Width 97 in. (2.46 m)
Height 94 in. (2.38 m)
Wheelbase 135 in. (3.42 m)
Ground Clearance 19 in. (483 mm)
Outside Turning Radius . . 173 in. (4.39 m)
Max. Reach from Front Tires to
24 in. (609 mm) Load Center . . . 31.5 ft
(9.60 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).



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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 B56.6-2002 as originally manufactured for intended applications.

Form No.: SS-G534D945-0605-15M
Part No.: 3132205
R060501
Printed in USA