

GRADALL

534D9-45 MATERIAL HANDLER



534D9-45

SPECIFICATIONS

Performance

Rated Capacity

At 24" (610 mm) load center,
9,000 lbs. (4,082 kg)

Maximum Lift Height

45' (13.7 m)

Frame Leveling

8 degrees

Lift Speed (boom retracted)

Empty 105 f.p.m. (32 m/min)
Loaded 97 f.p.m. (29.5 m/min)

Boom Speed

Extend 100 f.p.m. (30.5 m/min)
Retract 105 f.p.m. (32 m/min)

Travel Speeds Forward and Reverse

2WD 0-18 mph (29 km/hr)
4WD 0-6 mph (9.7 km/hr)

Drawbar Pull

Loaded 20,000 lb (9,070 kg)

Operating Weight

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

Drive Line Specifications

Engine

Make and Model . . . Cummins B3.9C-110
Turbocharged
Fuel No. 2 Diesel
Cycles 4
No. of Cylinders 4
Displacement 239 cu. in. (3.9 L)
Rated Speed 2500 rpm
Max. Gross BHP 110 hp (82 Kw)
Fuel Tank 38 gal. (151.4 L)

Engine Filters

Two-stage dry air cleaner - centrifugal
pre-cleaner with continuous dust ejector
plus cleanable and 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 - 810 Cold Cranking AMP at 0°F

Hydrostatic Drive

6300 PSI (43,439 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.

Electronically operated 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.

Brakes

Service - Hydraulic wet disc brake on
each front wheel.

Hydraulic dynamic braking on front axle
and both rear wheels.

Parking

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

13:00x24 - 12PR, G2 type.

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, hour meter, 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.

Boom lift and crowd on single joystick.

Right-hand tilt and sway lever.

Foot throttle.

Floor mounted traction lock switch.

2WD - 4WD switch on dash.

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.

Accessories & Options

Cab Enclosure

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

Light Group

Consists of 2 cab-mounted headlights,
1-backup/tail/stoptlight and rotating beacon.

Auxiliary Hydraulic Circuit

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

Radial Tires

Winch

Left-Hand Tilt/Sway Control

Tilt on Joystick

Rear Axle Stabilization

Attachments

Carriage

48" (1.2 m), 66" (1.7 m) & 72" (1.8 m)

Slope Pile Carriage

48" (1.2 m) and 66" (1.7 m)

100° Swing Carriage

72" (1.8 m)

Pallet Forks

2" x 6" x 48" (50.8 mm x 152.4 mm x 1.2 m)

Cubing Forks

2" x 2" x 48" (50.8 mm x 50.8 mm x 1.2 m)

Vertical Mast

6' (1.8 m) with 48" (1.2 m)
or 66" (1.7 m) Carriage

100° Swing Mast

6' (1.8 m) with 48" (1.2 m)
or 60" (1.7 m) Forks

Truss Boom With or Without Winch

10' (3.0 m)

Bucket

0.75 CY (0.57 m³) or 1.25 CY (0.95 m³)

Work Platform

Instant Hook

534D9-45

MATERIAL HANDLER

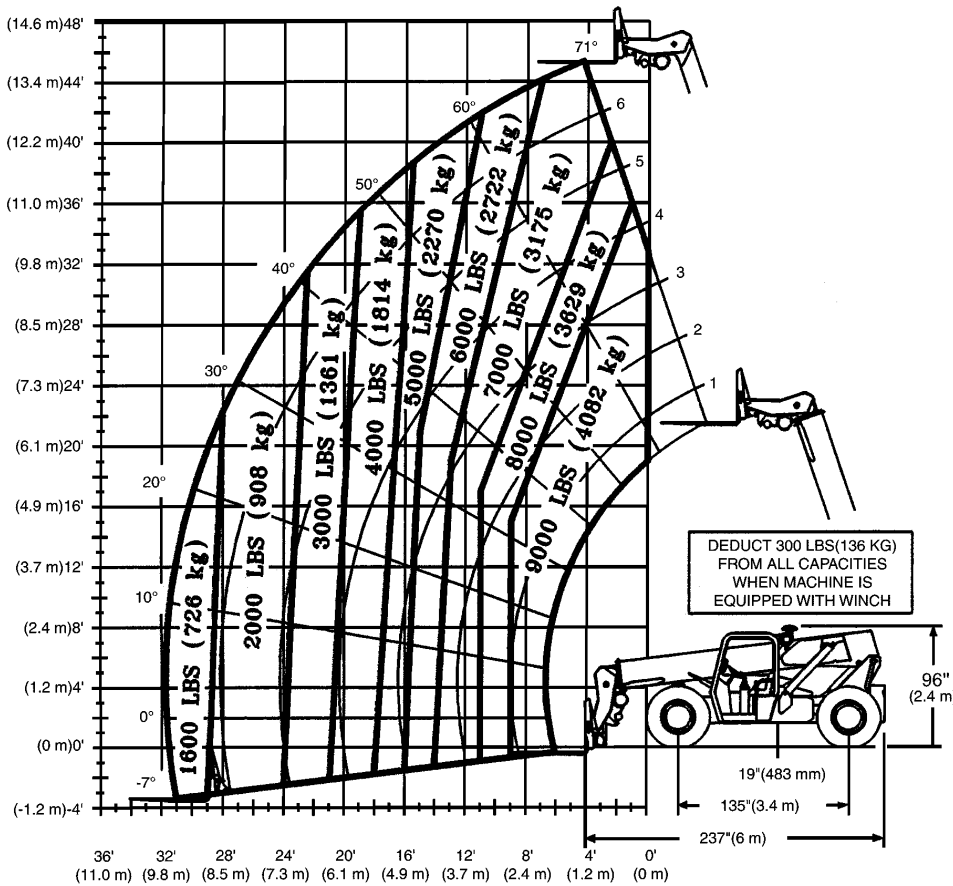
IMPORTANT

Rated lift capacities shown are with machine equipped with carriage and pallet forks and on a firm, level 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.

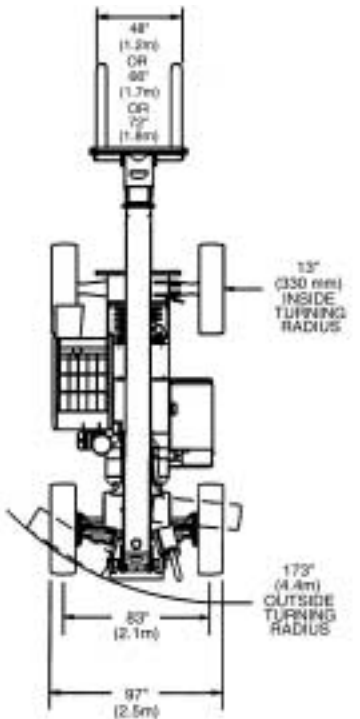
DO NOT tip the machine forward to determine the allowable load.

Use only Gradall approved attachments with the proper material handler model/attachment load capacity chart displayed in the operator's cab. OSHA requires all rough terrain forklift operators to be trained according to OSHA 29 CFR 1910.178 (l).



Max. Reach:
31.5' (9.6 m)

Max. Lift:
45' (13.7 m)



This machine is designed to meet specifications of ASME B56.6b-1998. It is Gradall Policy to continually improve its products. Therefore designs, materials and specifications are subject to change without notice and without incurring any liability on units already sold. Units shown may have optional equipment. See applicable specifications and price lists for optional equipment.

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