

534C-6

ROUGH TERRAIN

90° REAR-PIVOT STEERING

6,000 LB. (2,722 kg) CAPACITY

36' (11 m) LIFT HEIGHT

GRADALL®

MATERIAL HANDLER



534C-6

***Contractors' choice
to handle 6,000 lbs.
quickly and easily***

Gradall's 534C-6 represents engineering advances in lift-reach technology as well as jobsite mobility, making it the ideal rough terrain material handler for framing, masonry and metal building construction.

Equipped with a rugged three-section boom, the 534C-6 has the capacity, lift and reach required by many of today's contractors: The ability to handle loads up to 6,000 pounds (2,722 kg). An impressive 23-foot (7 m) reach. A maximum lift height of 36 feet (11 m) - or even more with an optional 6-foot vertical mast. Plus automatic fork leveling combined with sway control that tilts the frame assembly up to 8° in either direction to help maintain load stability.

Gradall advantages, however, start closer to the ground. Our exclusive Maximum Utility Drive feature - also referred to as MUD - provides our material handlers with excellent mobility, maneuverability and stability. On rough, steep or uneven terrain. On dirt, rocks, sand or deep sticky mud. On tight jobsites or within low-overhead structures. Quickly and easily without shifting gears or repeated backward or forward movements for proper positioning.



Total maneuverability

Proven on thousands of jobsites as well as Gradall's own on-site training center, our exclusive 90° rear-pivot steering allows our material handlers to turn on an axis instead of in a circle. With a zero inside turning radius, the 534C-6 works easily in tight quarters, moving swiftly around corners, stacks of materials and other jobsite vehicles and equipment.



Our 90° rear-pivot steering also helps protect materials being moved around the jobsite. With boom retracted, forks and carriage stay inside the 168" outside turning radius - a tight radius that's actually less than the length of the machine.

Easy to operate

With no need to shift gears, a single foot pedal controls both braking and inching with a 76-horsepower Cummins 4B3.9 engine providing the power for all four wheels on the 534C-6.

Sure-footed on any terrain, the 534C-6 has a long 126-inch (320 cm) wheelbase as well as a low 94-inch (239 cm) profile that lets the machine move through 8-foot doorways. A mid-mounted engine also provides good weight distribution, damage protection and excellent operator visibility - advantages that are not available with an engine located at the rear of the machine.

The operator cab is designed for comfort, convenience and efficiency. Controls and gauges are grouped for maximum productivity and convenience with boom lift and crowd functions controlled with a single joystick.

Equipped with the standard Quick Switch® adapter, operators can change attachments fast to handle many different jobs. Switch quickly to buckets, 100-degree swing carriage, slope pile carriage, instant hook, 6-foot mast, 6-foot swing mast, truss boom, drywall carriage and more.

Ground-level maintenance

For easy maintenance, all routine service points are at ground level. Repair of flat tires also is simplified because all four tires are common sized and dry, with no costly calcium chloride filling.

Before shipment, each material handler is fully tested to make sure it meets Gradall's world class standards for quality. And once it's in the field, each material handler is fully warranted and supported with authorized parts and service through the factory as well as Gradall's worldwide network of distributors.



534C-6 PERFORMANCE SPECIFICATIONS

RATED CAPACITY at 24" (610 mm)
Load Center.....6,000 lb. (2,722 kg)

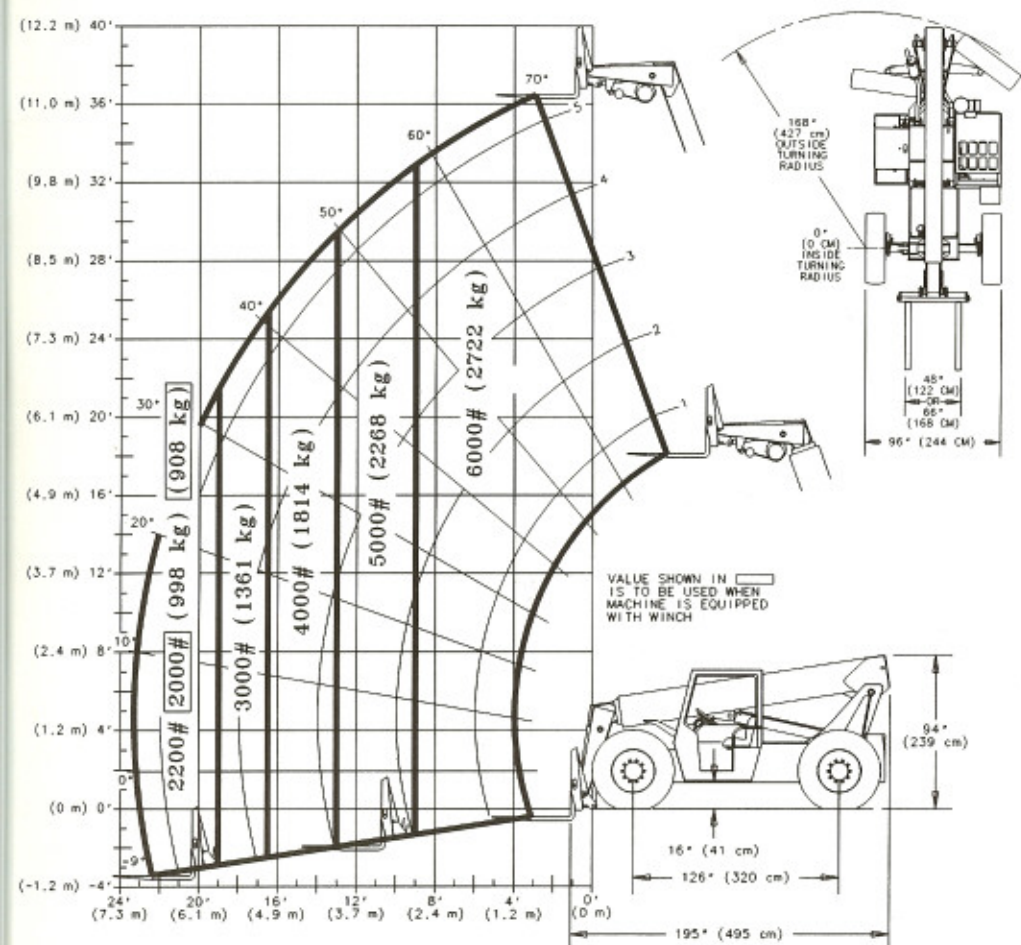
LIFT SPEED (Boom Retracted)
Empty.....99.5 f.p.m. (30.3 m/min)
Loaded.....92 f.p.m. (28 m/min)

BOOM SPEED
Extend 112 f.p.m. (34.1 m/min)
Retract 103.75 f.p.m. (31.6 m/min)

TRAVEL SPEEDS-Forward & Reverse
MPH (KM/Hr)
4WD-2WD.....7.5-16 (12-25.7)

OPERATING WEIGHT
With 48" (122 cm) Carriage & Forks
534C-6.....17,830 lb. (8,088 kg)

TRACTIVE EFFORT (Loaded)
534C-6.....14,700 lb. (6,668 kg)
@ 1 MPH (1.6 km/hr)



IMPORTANT

Rated lift capacities shown are with machine 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.

Gradall does not approve the use of its material handlers for lifting personnel under any conditions.

ACCESSORIES

CAB ENCLOSURE

Lockable, swinging door.
Windshield wiper.

HEATER & DEFROSTER

LIGHT PACKAGE

VANDAL KIT

AUXILIARY HYDRAULIC CIRCUIT

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

COLD START PACKAGE

RADIAL TIRES

LEFT HAND TILT/SWAY CONTROL

ATTACHMENTS

CARRIAGE

48" (122 cm) QUICK SWITCH

CARRIAGE

66" (168 cm) QUICK SWITCH

SLOPE PILE CARRIAGE

48" (122 cm) QUICK SWITCH

DRYWALL CARRIAGE

100° SWING CARRIAGE

PALLET FORKS

2' x 4' x 48" (5 cm x 10.2 cm x 122 cm)

CUBING FORKS

2' x 2' x 48" (5 cm x 5 cm x 122 cm)

INSTANT HOOK

QUICK SWITCH

VERTICAL MAST

6' (1.7 m) QUICK SWITCH

SWING MAST

6' (1.7 m)

TRUSS BOOM

10' (3 m)

BUCKET

.75 CY (.57 m³)

BUCKET

1.25 CY (.93 m³)

TRUSS BOOM WITH WINCH

10' (3 m)

GRADALL®

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GRADALL®

534C-6 MATERIAL HANDLER

DRIVE LINE SPECIFICATIONS:

ENGINE

Make and Model..... Cummins 4B3.9
Fuel..... No. 2 Diesel
Cycles..... 4
No. of Cylinders..... 4
Displacement..... 239 cu. in. (3.9 L)
Rated Speed..... 2500 rpm
Max. Gross BHP..... 76 HP (57 kw)
Fuel Tank..... 40 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 element-type fuel filter/water separator. Full-flow replaceable-element engine oil filter.

ELECTRICAL SYSTEM

Voltage - 12V Alternator - 63 amp Battery - 810 Cold Cranking AMP at 0°F

TRANSMISSION

Self-contained, swashplate design, variable displacement, over center, piston pump.
Neutral start switch. (Park brake must also be engaged to start.)
Full 4-wheel inching.
2WD - 4WD switch on dash.
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.

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 BRAKES

Spring-applied electro/hydraulic release, fail safe on both front wheels.
Light on dash indicates when brake is on.

TIRES

13.00x24 - 12PR, G2 type (common wheel).
Optional: 13.00R24 radial tires.

STEERING

Hydraulic power steering with manual backup.
Rear wheel steering, 90° pivot around either front tire.

INSTRUMENTS

Volt meter, hour meter, engine oil pressure gauge, fuel gauge, water temperature gauge, horn, back-up alarm.

CONTROLS

Grouped for operator comfort and convenience.
Boom lift and crowd on single joystick.
Right-side tilt and sway levers.
Foot throttle.
Rear mounted traction lock switch.
Optional: Single-lever tilt/sway control mounted on left side of dash.

HYDRAULIC SYSTEM - DRIVE

5500 PSI closed loop with piston pump and motors.
All hydraulic high pressure connections ORS and Code 62 O-ring flanges.
Integral reservoir with implement hydraulics.

HYDRAULIC SYSTEM

Single-section gear pump.
40 gal. (151.4 L) system capacity.
Two 8 micron filters with visual service indicator and suction strainer.
Lift, crowd, tilt and sway cylinders have safety checks to prevent dropping of load in the event of hose or other hydraulic failure.



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This machine is designed to meet specifications of ASME B56.6a-1994.

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.

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