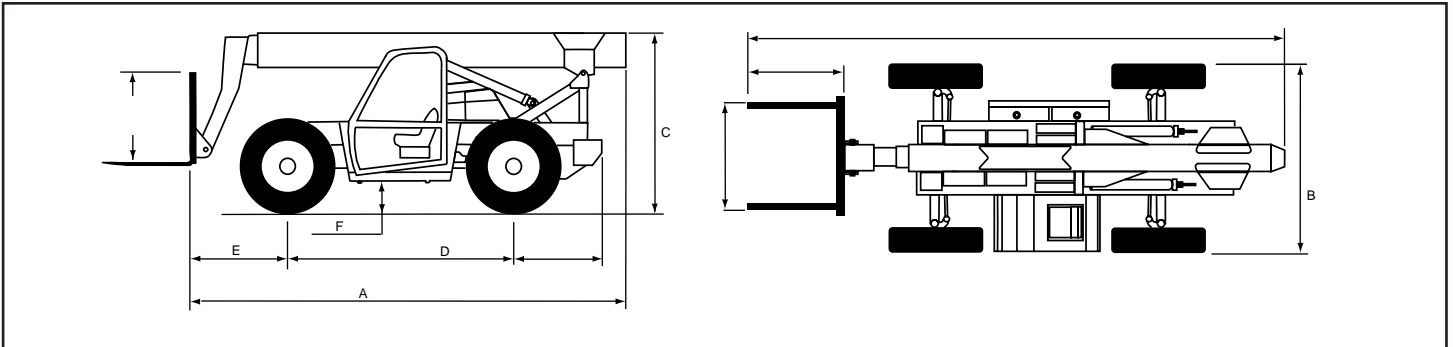


VR-642C Material Handlers

SPECIFICATIONS



MACHINE DIMENSIONS*		FT/IN	MM
Overall length (less forks)	A	20' 3"	6172
Overall width	B	8' 6"	2591
Overall height	C	7' 11"	2413
Wheelbase	D	10' 0"	3048
Drive axle to carriage front	E	4' 10"	1473
Ground clearance	F	1' 4"	406
Shipping weight**		19,750 lb	8977 kg
Tread width		7' 3"	2210
Boom extension		23' 6"	7163
Max forward reach		26' 4"	8026
Max lift height		42' 0"	12802
Max reach @ max lift height		3' 0"	914
Practical placement height		40' 1"	12217
Max reach @ practical placement height		6' 3"	1905
Max reach below grade w/ standard carriage		2' 5"	737
TURNING RADIUS		FT/IN	MM
To outside of tires		11' 11"	3632
To inside of tires		6' 5"	1956
PERFORMANCE		LB	KG
Boom retracted at max height		6,700	3045
Capacity at max height		6,000	2727
Capacity at max reach		1,000	454

* Vehicle dimensions with 24-in (600 mm) load center.

** Lightest machine — no attachment, air-filled tires and open ROPS.

42-ft

Maximum Lift Height

110 hp

EPA Tier II
Turbocharged Diesel Engine

6,700 lb

Rated Lift Capacity



VR-642C Material Handlers

SPECIFICATIONS

BOOM

Boom type	3 stage
Max boom angle	70°
Min boom angle	-6°
Telescope extend speed	15.6 seconds
Telescope retract speed	13.9 seconds
Boom raise	10.6 seconds
Boom lower	8.9 seconds
Carriage rotation	113°

ENGINE

Make/model	Cummins QSB4.5-30T
Fuel/cooling	Diesel/liquid
SAE net hp	110 hp (82.1 kW)
Fuel tank capacity	35 gal (132 L)

OPERATION

Steering	Two-wheel, four-wheel or crab steering available controlled by steering wheel.
Drive	All-wheel drive
Hydraulics	Boom lift, telescope, carriage rotate and auxiliary boom circuit controlled by single joystick. Optional stabilizers controlled by console switch.
Transmission	3-speed powershift with soft shift

STANDARD FEATURES

- Single joystick control
- Air cleaner restriction indicators
- Back-up alarm
- Boom angle indicator
- Cup holder
- Engine coolant heater
- Frame level indicator
- Horn and seatbelt
- Lockable engine hood
- 12-volt power port
- Lockable battery cover
- Lockable fuel tank cap
- Lockable hydraulic tank cap
- Lockable toolbox
- Rear wiper/washer

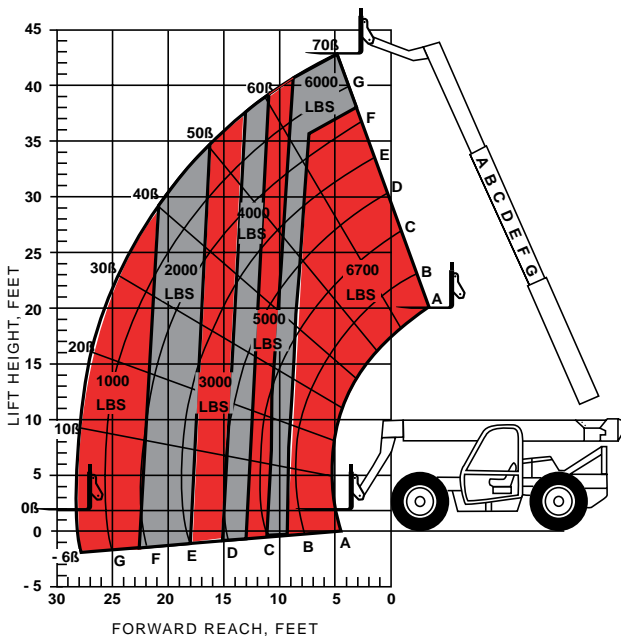
OPTIONS/ACCESSORIES

- Air conditioning
- All-weather cab w/heat
- Boom lights
- Dual joystick control
- Ether cold start
- Fenders
- Front and rear worklights
- Full-suspension seat
- Pintle hook
- Road lights
- Rotating beacon
- Single auxiliary hydraulics
- Specialty-tire options
- Stabilizers
- Turn signals/flashers/brake lights
- Vandal protection

ATTACHMENTS*

- Buckets
- Drywall handler
- Side-tilt carriages
- Swing carriages
- Truss booms
- Various width carriages

* Contact your local IR distributor for additional attachment options.



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Always read and understand the published rated load capacity for the material handler model you are operating and do not exceed it.
Load ratings per ASME B56.6 — 1992.



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