

# VT4000



## General Description

The VT 4000 Off Highway Terra Tired Vacuum Truck is a three axle, all wheel driven transporter. This high floatation vehicle provides economic transportation of payloads up to 16 tons in marginal terrain conditions.

## Engine & Transmission

CAT 3176C Electronic Engine. Delivers high power, durability and complete system integration of the engine and transmission for maximum efficiency. High torque rise. Turbo charged and ATAAC. Electronic Control Module.

5 Speed Electronic Transmission designed specifically for the articulated truck. Controlled Throttle Shifting. Electronic Clutch Pressure Control. Retarder.

## Steering

Cross Axle differential locking system provides full driveline locking for maximum performance.

## Differential

Cross Axle differential locking system provides full driveline locking for maximum performance.

## Suspension

Front: Three point front suspension oscillates +/- 6 degrees to provide a smooth ride over rough terrain. Suspension softening impact loads on structures and components. Rear: Mechanical walking beam providing a stable ride.

## Tires & Wheels

Firestone, 66 x 43.00 x 25-16 PR tubeless. Disc type wheels.

## Brakes

Parking: Located on front of rear differential, in an elevated position to keep out of the dirt. Designed to give higher heat capacity and abuse resistance.

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# VT4000

## Cab

Comfortable, spacious two person cab, center mounted with low pressure ride struts offers superior levels of ride comfort for the operator in all driving conditions. Fully adjustable air suspension seat with dual sided support recliner and thicker cushions.

## Performance

Turning radius	26.7 ft	(8.1 m)
Maximum speed	16 mph	(26 km/h)
Fording depth		
Ground clearance	1.7 in	(534 mm)

## Weights

Tare	76,500 lbs	(34,700 kg)
Payload	32,000 lbs	(14,515 kg)
G.V.W.	108,500 lbs	(49,215 kg)

## Service Refill Capacities

Fuel Capacity	148 Gal	560 Litres
Payload	61.6 Gal	233 Litres

## Standards

Brakes	SAE J/ISO 3450-1998
Cab/FOBS	SAE J231 JAN81 and ISO 3449-1992 Level II
Cab/ROPS	SAE J1040 May 1994 and ISO 3471-1994

## Options

- Heated rear view mirrors
- Autolube installation for automatic greasing of bearings
- Cold weather start attachment
- Fast fuel system
- CD receiver
- Flashing beacon
- Rearview camera

## Dimensions

Total Length	43 ft 9 in	(10.9 m)
Width -tracks	13 ft 8.5 in	(4.0 m)
Height	13 ft	(3.2 m)

## Ground Pressure\*

Tons	Load	Pressure	
	Tonnes	PSI	kg/cm <sup>2</sup>
0	0	21.0	1.5
5	4.5	23.7	1.7
10	9.1	26.5	1.9
15	13.6	29.2	2.1
16	14.5	29.7	2.1

\*Based on above unit no additional options

\*Tire contact area based on flat plate contact

## 4000 Imp. Gal Vacuum tank (114 BBL)

- 72 in. x 18 ft long x 5/16 in. thick
- 72 in dia. X 5/16 in. thick front head
- 72 in dia. X 3/8 in. thick rear head
- 3/8 in angle iron tank pedestals
- one baffle
- 20" top manway for clean out w/ ladder & small landing
- liquid level indicator
- 6 in. air operated suction valve for hose boom
- 30" hyd operated round mudgate with 4" manual valve

## Blower System

- Hibon VTB 820 blower
- Positive displacement lobe type blower
- intake air cooling system
- 1400 CRM @ free air
- back flow check valve
- 6" - 4 way vacuum pressure selector valve
- maximum vacuum 28 1/2 Hg.
- recommended speed 3400 RPM
- 96 maximum H.P.
- 6" port size
- intake and discharge silencers

## Blower System

- Direct mount Rexroth hydraulic motor
- Hydraulic oil cooler
- Hydraulic hose and fittings as required
- Multi function hydraulic control valve for allied function

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Unless otherwise stated, specifications are for a standard unit and are subject to change without notice. Performance specifications are theoretical maximums and do not include mechanical or other efficiency losses. Actual performance may vary.