

Voyager VH Four Track Articulated Carrier Specifications



DIMENSIONS FOR COMBINED VEHICLE (2 SECTIONS)

Overall Length	385"	(9.78 m)
Overall Width	96"	(2.44 m)
Overall Height	109"	(2.77 m)
Ground Clearance	19"	(48.3 cm)
Curb Weight	22,000 lbs	(9,979 Kg) depending on options
Payload	20,000 lbs	(9,071 Kg) combined
GVWR	45,000 lbs	(20,410 Kg)

DIMENSIONS FOR PRIME MOVER

Overall Length	165"	(4.19 m)
Overall Width	96"	(2.44 m)
Overall Height	109"	(2.77 m)
Ground Clearance	19"	(48.3 cm)
Curb Weight	10,000 lbs	(4,536 Kg)
Payload	5,000 lbs	(2,268 Kg)
GVWR	15,000 lbs	(6,804 Kg)

DIMENSIONS FOR REAR CAR

Overall Length	165"	(4.19 m)
Overall Width	96"	(2.44 m)
Deck Height	36"	(91.4 cm)
Ground Clearance	19"	(48.3 cm)
Curb Weight	10,000 lbs	(2,720 Kg)
Payload	20,000 lbs	(910 Kg)
GVWR	30,000 lbs	(3,630 Kg)

PERFORMANCE

Maximum Speed	10 mph	(16 km/h) fully loaded
Ground Pressure	@ 0" penetration	
Unloaded	2.0 PSI	(13.7 Kpa)
Loaded	4.1 PSI	(28.3 Kpa)
Maximum Gradeability (static test when loaded)		
Up Hill	70%	(35°)
Side Hill	45%	(25°)



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STANDARD ENGINE

Make	Cat 275 HP
Model	Caterpillar C7.1 ACERT
Type	Diesel
No of Cylinders	6
Displacement	7.013 L (427.9 cu. in.)
Injection System	Electronic
Horsepower	275 HP (205 kW) @ 2,200 rpm
Torque	774 ft lbs (1,050 Nm) @ 1,400 rpm

POWER TRAIN FOR HYDROSTATIC DRIVE

Transmission	Three speed Hydrostatic with four planetary drives
Drive Sprockets	Steel sprocket hubs with replaceable polyurethane inserts
Location	Rear
Parking Brakes	Multi-disc, spring applied
Service Brakes	Positive deceleration through hydrostatic transmission

FRAME

Type	Corten, Welded tub
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SUSPENSION

Torsion Axle.

WHEELS

Quantity	8 + 8 = 16
Type of tire	Solid Rubber
Size	750 x 26", Smooth tread, 16 ply

TRACKS

Type	Rubber 5-ply belts with 29" or 33" Rubber cross links
Type of Belts	Rubber and Fabric

STEERING FOR HYDROSTATIC DRIVE

Steering Wheel.



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CAPACITIES

	LITRES	U.S. GALLONS
Cooling System	15.2	4.0
Fuel Tank	340	75.0

ELECTRICAL

Voltage	12 V
Battery Capacity at 0 deg. F	1,800 CCA
Alternator Capacity	120 Amps
Ground	Negative

CAB

- 5-man or 6-man open or closed cab
- Mechanical suspension seats with seat belt with 3-point safety belt
- 2 front lights
- 1 rear light
- 1 dome light
- Cab heater defroster

STANDARD EQUIPMENT

Air cleaner - Type	Dry – two stages with air filter restriction gauge
Instruments	Tachometer Oil pressure Hour-meter Coolant temperature Fuel gauge Warning light gauge for: - Low engine oil pressure - High engine coolant - Temperature - Alternator charge

Parts manual
Service manual



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OPTIONAL EQUIPMENT

- Front-mounted brush guard
- Rear view mirror
- Front windshield on-off wiper with 2 speeds
- Front windshield intermittent wiper
- Windshield wiper and washer
- Inside rear view mirror
- Sliding side window
- LED turn, hazard and clearance lights
- Full Cold Start
 - Engine block heater (600 W)
 - Air intake pre-heater
 - Hydrostatic oil heater
 - Second battery with additional toolbox
 - Cold Weather Oil for Engine & Hydraulic System (-40° C)
- Additional fuel tank
- Pintle hook
- Rear car side rail frames with stake pockets, two strap winches per side and replaceable aluminum diamond deck plates
- Maintenance kit
- Other options available upon request