

# Nodwell 320 Vibrocarrier



## General Description

The newest generation Nodwell 320 now features full hydrostatic drive. Based on the proven hydraulic/mechanical driven Nodwell 320, this purpose built two-track vehicle is designed to carry various models of vibroseis equipment. A single diesel engine is used to drive a common hydraulic system used to propel the vehicle or power the vibrator. Major components such as engine, hydraulic pumps and operators cab can be located to produce proper weight distribution on the vibrator base.

## Track System

**Tracks:** 45 in (1143 mm) d-dent  
**Belts:** 15 in (381 mm) wide, 6-ply  
**Grouser Bars:** 4 in (102 mm) x 1/2 in (13 mm)  
**Tires:** 10:00 x 20 - 14-ply  
foam-filled, natural rubber tubes  
**Sprocket:** Polyurethane  
**Front Idlers:** Rubber  
**Hubs:**  
12 stud oil bath with metal-to-metal face seals

## Powertrain

**Engine:** Caterpillar 3406 - 425 HP (317 KW)  
@ 2100 RPM  
Spin-on oil and fuel filters  
Electronic control throttle  
Skid mounted engine assembly  
Heavy duty dry type air cleaner c/w safety element  
Additional high capacity fuel/water separator  
Thermatically control clutch fan  
**Pump Drive:** Funk 56000 series pump drive box, three outlet pad  
**Vibrator Pump(s):** Supplied with Vibrator package  
**Track Drive Pumps:** Rexroth AA 4VG125  
**Track Drive Motors:** Rexroth A 6VM355 motors  
**Track Final Drives:** Rexroth L&S GFT60-T2 23.75:1 ratio. Ball valves to disconnect hydraulic drives for towing

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## Suspension

Walking beam suspension. Greaseable polyurethane bushings.

## Cab and Accessories

Foremost V-2000 series all steel construction 2 man cab. Fully insulated floor, roof and walls. Complete instrument control panel and console for vehicle controls. Escape hatch. Rear window fixed, slider door windows. Bostrom Air-Ride driver's seat. Fully padded seat for passenger, complete with tool box. Sun visors. Heavy-duty door stops.

Provision for electronic console, and other vibrator controls and wiring.

## Frame

Welded frame of high-strength steel to accommodate mounting of vibrator. Front tow cable eyes. Full belly pans. Lifting eyes (front bumper and deck rear). Front bumper with winch provision.

## Electrical System

12 volt system with 145 amp alternator. Two 8D - 12 volt batteries with 1450 CCA. Complete engine monitoring system (high temperature, low oil, low coolant.)

## Heating and Cooling System

Arctic or Tropical packages available.

## Steering

Hydrostatic with single lever joystick mounted onto seat armrest  
Joystick has automatic return to neutral feature  
Joystick is hydraulically operated

## Brakes

Parking: Internal disc brakes on Rexroth wheel ends

## Performance

Maximum speed	9 mph	(14.4 km/h)
Fording depth	6 ft	(1.8 m)

## Air Cleaner

Dry element type with secondary safety element.

## Gradeability

Side 30%	Forward 60%
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## Fuel Capacity

Aluminum construction, single cylindrical, with 237 U.S. gal. (900 litre) capacity.

## Ground Pressure

Ground pressure @ 66,000 lbs (30,000 kg) weight and 6 in (150 mm) penetration is 0.273 kg/cm<sup>2</sup> (26.9 kPa).

## Weights\*

Tare	42,000 lbs	(19,000 kg)
G.V.W.	66,000 lbs	(30,000 kg)

\* Excluding Options

## Dimensions

<b>Length</b>		
Overall	30 ft 10½ in	(9.4 m)

<b>Width</b>		
Overall	12 ft 2 in	(3.71 m)
Without tracks	10 ft 4 in	(3.15 m)

<b>Height</b>		
Overall	12 ft 6 in	(3.8 m)
Rear frame	4 ft 11½ in	(1.5 m)

Track width	45 in	(1143 mm)
Ground Clearance	21½ in	(500 mm)

### Foremost Industries LP

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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.