

Chieftain-R



General Description

The Chieftain-R is a rubber-tracked carrier with center pivot articulated steering. It is a high speed tracked carrier for personnel and cargo. Maximum cargo capacity is 15 tons. This unit is also ideal as a chassis for mounting various attachments on the 8' x 18' deck. The airbag suspension rides smoothly over rough terrain without loss of traction. In addition the frame oscillates to follow the ground contour. The combination allows more engine horsepower to be converted to carrying power which improves fuel efficiency, and, in turn, lower costs. The 34" wide tracks provide large ground contact per track. Multiply this by the four tracks and the ground contact area is enormous. Ground slippage is minimal even under full load over rough terrain. Tread design provides excellent traction and long life. Superior flotation is provided by wide wheels which extends to the edge of the track. The Chieftain-R is capable of speeds up to 20 mph. The transmission provides eight forward and four reverse speeds.

Gear splits provide the right combination of RPM and ground speed for all highway and off-highway conditions.

Engine

Cat 3406 375 HP (280 kW) @ 2100 rpm

Transmission

8 speed Powershift transmission, complete with integral drop box.

Differential

Rockwell planetary drive axles with Detroit "No spins" front and rear. Metal face seals on planet hubs.

Steering

Four track design with center frame articulation. Full time power steering utilizing two double-acting steering cylinders. Steering wheel controlled.

FOREMOST

Chieftain-R

Brakes

Service brake is totally enclosed wet disc brakes on front and rear axles. Parking brake is spring applied, air released brake on rear axle.

Suspension

Independent airbag suspension at each wheel in the front and rear undercarriage. This heavy duty system allows increased ground contact of track over rough terrain. Oil bath hubs and spindles with metal face seals.

Cab

All steel, 4 man cab-forward type. Fully insulated walls and roof with roll down windows and sliding rear window on driver's side. Escape hatch, heavy duty two-speed windshield wipers. Full instrumentation: engine water temperature and engine oil pressure gauge, voltmeter, transmission oil temperature gauge, fuel gauge, tachometer/hourmeter.

Frame

All welded alloy steel construction. Protective belly pan below engine, transmission and steering gear.

Track

Heavy duty 34" wide all rubber track with bias steel cord.

Tires and Wheels

Vulcanized rubber on steel wheel 24" diameter.

Ground Pressure*			
Load		Pressure	
Tons	Tonnes	PSI	kg/cm ²
0	0	2.8	.19
5	4.5	3.3	.23
10	9.1	3.8	.27
15	13.6	4.4	.31

* 6 in (150 mm) penetration

Electrical

12 volt electrical system. Heavy duty wiring for all weather operation. Alternator is 100 amp, 12 volt.

Air Cleaner

Donaldson heavy duty, dry type with service indicator.

Sprockets

Replaceable steel drive sprockets.

Gradeability

Side 30% Max. Forward 50%

Fuel Capacity

Fuel tank capacity is 150 U.S. gallons (568 litres).

Performance

Turning radius	28.5 ft	(8.7 m)
Maximum speed	20 mph	(32 km/h)
Fording depth	4 ft 6 in	(1.37 m)

Weights*

Tare	51,700 lbs	(23,450 kg)
Payload	30,000 lbs	(13,600 kg)
G.V.W.	81,700 lbs	(37,058 kg)

* Excluding Options

Dimensions

Length - Overall	37 ft 6 in	(11.5 m)
Width - Overall	9 ft 0 in	(2.7 m)
Height - Overall	9 ft 7 in	(2.9 m)

Deck Length	18 ft	(5.5 m)
Width	8 ft	(2.4 m)

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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.