

Chieftain-C



General Description

A versatile, four tracked carrier, with articulated steering, the Chieftain is ideal for mounting drills, cranes or backhoes, widely used in the petroleum, geophysical and utility industries. With the proven wide track system, the Chieftain provides economical transportation of cargo and personnel in marginal terrain conditions.

Engine

Cummins 240 hp (179 kh) @ 2200 rpm EPA emission certified.

Transmission

Funk 2000 series 6 speed power shift and two auxiliary pump drive pads. Spicer driveline 1610 series.

Steering

Articulated frame for steering, with self-aligning bushings. Steering wheel controlled.

Differential

Rockwell PRC673 planetary drive axles with "No-Spins" front and rear. Metal face seals on planet hubs.

Brakes

Brakes are driveline mounted. Drumtype, dual-use service and parking brake. Air actuated for service brake and spring applied air release when used for parking.

Tires and Wheels

Goodyear 7.50 x 20 16 PR smooth crawler equipped with tubes. Wheels are steel disc 6.50 x 20 with 10 stud, 11¼ in (285 mm) bolt circle. Optional foam filled tires.

Sprockets

Foremost replaceable urethane D-dent type.

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Suspension

Integral coil torsional springs with upper and lower travel stops. Oil bath hubs and spindles with metal face seals.

Cab

4 man cab-forward type. Heavy steel exterior with insulated walls and roof. Full instrumentation: engine water temperature gauge, engine oil pressure gauge, voltmeter. Transmission temperature gauge, transmission oil pressure gauge and tachometer/hourmeter. Roll down windows and fixed rear window. Escape hatch.

Frame

All welded, alloy steel construction. Smooth underbelly for greater protection of drivetrain components and maximum mobility. Box tubing and closed frame construction used in frame sections.

Electrical

8D, 12 volt battery. Heavy duty wiring for all-weather operation. Alternator is 100 amp, 12 volt.

Track & Grouser

Heavy duty 6 ply belting, 15 in (381 mm) wide. Grouser bars are forged spring steel ½ in (13mm) with matching back plate. Optional flat track.

Ground Pressure*

Load		Pressure	
Tons	Tonnes	PSI	kg/cm ²
0	0	1.9	0.13
5	4.5	1.5	0.18
10	9.1	3.1	0.22
15	3.5	3.8	0.27

* 6 in (150 mm) penetration.

Air Cleaner

Dry type with replaceable element.

Gradeability

Side 40% Max. Forward 60%

Fuel Capacity

Two fuel tanks with a total capacity of 120 U.S. gallons (454 litres).

Performance

Turning radius	24 ft	(7.32 m)
Maximum speed	15 mph	(24 km/h)
Forcing depth	4 ft 4 in	(1.32 m)

Weights*

Tare	29,000 lbs	(13,170 kg)
Payload	32,000 lbs	(14,545 kg)
G.V.W.	61,000 lbs	(27,727 kg)

* Excluding options

Dimensions

Length - Overall	34 ft 6 in	(10.52 m)
Width - Overall	9 ft 7.5 in	(2.93 m)
Width - W/O tracks	8 ft 6 in	(2.59 m)
Width - Track	40 in	(1016 mm)
Height - Overall	10 ft	(3.04 m)
Height - Rear frame	4 ft	(1.21 m)

Optional Deck (Cargo and Oilfield)

Length	17 ft 0 in	(5.18 m)
Width	8 ft 6 in	(2.4 m)

Gauge	6 ft 4 in	(1.92 m)
Ground clearance	16 in	(406 mm)
Approach angle	30°	
Departure angle	30°	

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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.