

# Chieftain-D



## General Description

The Chieftain D is a large, four tracked vehicle designed to move heavy payloads in mud, muskeg, swamp, and snow conditions. The high deck and sealed undercarriage components provide excellent fording ability combined with high approach and departure angles. The independent crankarm suspension and flexible track provide constant ground contact and absorb shock loads.

## Engine

Cat 3176 365 HP (272 kW) @ 2100 rpm

## Transmission

Allison CLT 754DB, 5 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 two tower mounted undercarriages. Full time power steering utilizing two double-acting steering cylinders per undercarriage. Heavy duty pressure compensating piston type steering pump and patented steering equalizer bar.

## Brakes

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

## Tires and Wheels

7:50 x 20-16 PR smooth crawler filled with Heavy Duty Urethane flat proofing material. Wheels are a steel disc type.

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## Suspension

Independent suspension at each wheel in the front undercarriage is provided by a coil spring and crankarm arrangement. Rear undercarriage suspension is provided by walking beams and coil springs. 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.

## Electrical

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

## Track & Grouser

Heavy duty 5 ply belting, 20 in (508 mm) wide. Forged spring steel grouser ½ in (12.7 mm) thick with matching backing plate. Overall width of track is 53 in (1346 mm).

Ground Pressure*			
Load		Pressure	
Tons	Tonnes	PSI	kg/cm <sup>2</sup>
0	0	1.9	.13
5	4.5	2.4	.18
10	9.1	2.9	.20
15	13.6	3.4	.24

\* 6 in (150 mm) penetration

## Air Cleaner

Donaldson heavy duty, dry type with service indicator.

## Sprockets

Replaceable drive sprockets of moulded polyurethane.

## Gradeability

Side 30% Max. Forward 50%

## Fuel Capacity

Fuel tank capacity is 132 U.S. gallons (500 litres).

## Performance

Turning radius	33 ft	(10.0 m)
Maximum speed	12.0 mph	(19 km/h)
Fording depth	5 ft 8 in	(1.7 m)

## Weights\*

Tare	49,500 lbs	(22,500 kg)
Payload	30,000 lbs	(13,600 kg)
G.V.W.	79,500 lbs	(36,100 kg)

\* Excluding Options

## Dimensions

Length - Overall	36 ft 5 in	(11.15 m)
Width - Overall	10 ft 8 in	(3.25 m)
Without tracks	9 ft	(2.74 m)
Height - Overall	12 ft 5.5 in	(3.8 m)

Deck		
Length	17 ft 6 in	(8.26 m)
Width	8 ft	(2.4 m)

Gauge	6 ft 3 in	(1.9 m)
Track width	53 in	(1346 mm)
Ground clearance	18 in	(457 mm)
Approach angle	26°	
Departure angle	22°	

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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.