

Husky 8



General Description

The Husky 8 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 3406 460 HP (343 kW) @ 2100 rpm

Transmission

Allison MS5600 Series Powershift transmission

Differential

Rockwell planetary drive axles with rear "No spins". 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 transmission mounted, drum type, air applied. Parking brakes are driveline mounted drum type with spring applied air release.

Tires and Wheels

10.00 X 20-14 PR hard rock rib filled with Heavy Duty Urethane flat proofing material. Wheels are a steel disc type, 7.00 X 20 w/12 stud, 16 5/8 in (422 mm) bolt circle.

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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 trailing arm walking beams c/w solid link. 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, 2 man cab-over 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 with 12 volt starting. Heavy duty wiring for all weather operation. Alternator is 100 amp, 12 volt.

Track & Grouser

Heavy duty 7 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 56 in (1420 mm). Optional flat track.

Ground Pressure*			
Load		Pressure	
Tons	Tonnes	PSI	kg/cm ²
0	0	2.5	.17
20	18.1	3.6	.25
30	27.2	4.2	.29
40	36.3	4.7	.33

* 6 in (150 mm) penetration

Air Cleaner

Donaldson heavy duty, dry type with service indicator.

Sprockets

Replaceable drive sprockets of moulded polyurethane with wear inserts of cst ductile iron.

Gradeability

Side 40% Max. Forward 50%

Fuel Capacity

Fuel tank capacity is 180 U.S. gallons (757 litres).

Performance

Turning radius	46 ft	(14.0 m)
Maximum speed	9.0 mph	(14.5 km/h)
Fording depth	6 ft	(1.8 m)

Weights*

Tare	94,500 lbs	(42,900 kg)
Payload	80,000 lbs	(36,300 kg)
G.V.W.	174,500 lbs	(79,200 kg)

* Excluding Options

Dimensions

Length - Overall	48 ft 4.5 in	(14.74 m)
Width - Overall	11 ft 11.5 in	(3.64 m)
Without tracks	9 ft	(2.7 m)
Height - Overall	14 ft 7 in	(4.45 m)

Deck

Length	34 ft 4.5 in	(10.48 m)
Width	9 ft	(2.7 m)
Live roll height	5 ft 9 in	(1.75 m)

Gauge	7 ft 3 in	(2.22 m)
Track width	56 in	(1413 mm)
Ground clearance	21 in	(533 mm)
Approach angle	40°	
Departure angle	30°	

Foremost Industries LP

1225 - 64th Avenue NE, Calgary, Alberta, Canada T2E 8P9

Tel: 403-295-5800 • Fax: 403-295-5810 • E-mail: sales@foremost.ca

1-800-661-9190 Canada/U.S.A. • www.foremost.ca

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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.