

FOREMOST

Delta 3B



GENERAL DESCRIPTION

The Delta 3B is a three axle, all wheel drive, terra-tired transporter. Utilizing proven powertrain components, high horsepower and heavy duty center frame steering, this high flotation vehicle provides economic transportation of payloads up to 15 tons in marginal terrain conditions. The Delta 3B provides superior 'off road' mobility and it can be readily adapted for all chassis mounted equipment. It is the ideal prime mover for logistical support of remote drilling operations, pipeline construction or other specialized projects in problem terrain.

ENGINE

Detroit Diesel 6V-53 N45, 197 HP (147 kW) @ 2800 RPM. Also equipped with variable speed governor and automatic engine shut-down. Optional engine available: Cummins V8-504-C, 189 HP (141 kW) @ 2800 RPM.

TRANSMISSION

Clark HR 28420 and Clark converter. Full powershift with bi-directional PTO, turbine driven. Direct drive hydraulic steering pump. Spicer 1550 series drivelines with Dana Glidecote splines.

Forward	1	2	3	4
mph	4.3	8.7	14.4	23.7
km/h	6.9	14.0	23.2	38.1

Reverse	1	2	3	4
mph	4.3	8.7	14.4	23.7
km/h	6.9	14.0	23.2	38.1

DIFFERENTIAL

Clark BD-45-60 planetary with Detroit "No-Spins" on all axles.

STEERING

Centre frame hydraulic steering.

BRAKES

Service brakes are air applied drum brakes on all wheels. Parking brakes are spring applied with air release transmission internal brake.

SUSPENSION

Front suspension consists of semi-elliptical, multi-leaf springs. These are full floating, stabilized by torque arms. Rear suspension is Hendrickson R440 series walking beam with rubber bushings, 44,000 lbs. (20,000 kg) rated capacity, 72 in (1830 mm) beams.

TIRES & WHEELS

Goodyear Super Terra Grip 66 × 43.00 × 25 - 6 PR, tubeless. Disc type wheels.

CAB

4 man, cab-forward design with heavy steel exterior, fully insulated and lined with leatherette panels. Sliding rear window on driver's side. Heavy duty two speed windshield wipers. Bostrom Viking T-Bar driver's seat. Escape hatch. Full instrumentation: engine water temperature and engine oil pressure gauges, voltmeter, transmission oil temperature and transmission oil pressure gauges, tachometer/hourmeter speedometer/odometer, air pressure gauge and fuel gauge. This unit is also available with the 9 man, cab forward design.

FRAME

Heat treated, high strength alloy steel channel rails. Frame articulated joint with self-aligning ball bushings. Bolted construction. Grill guard. The vehicle is available with a short or long wheelbase.

ELECTRICAL

Four batteries, 7D, 6 volt. Heavy duty wiring for all-weather operation. Alternator is 84 amp, 12 volt. Automatic reset circuit breakers.

AIR CLEANER

Heavy duty dry type, two stage air cleaner with washable element.

AIR SYSTEM

Compressor 12.5 CFM (353 litres/min) @ 1250 RPM. Air dryer. Three air reservoirs with a total capacity of 5920 cu in (86.8 litres).

DIMENSIONS

Length	
4 man cab, short wheelbase	30 ft 1 in (9.17 m)
4 man cab, long wheelbase	35 ft 5 in (10.80 m)
9 man cab, short wheelbase	32 ft 11 in (10.03 m)
9 man cab, long wheelbase	38 ft 3 in (11.66 m)
Width	
Overall	10 ft 10 in (3.30 m)
Without tires	8 ft 6 in (2.59 m)
Height	
Overall	9 ft 11 in (3.02 m)
Rear of frame	4 ft 8 in (1.42 m)
Without tires	8 ft 4.5 in (2.55 m)
Deck	
Length, short wheelbase	15 ft 0 in (4.57 m)
Length, long wheelbase	20 ft 0 in (6.10 m)
Width	8 ft 6 in (2.59 m)
Height to live roll	6 ft 9 in (2.05 m)
Track	7 ft 2.75 in (2.20 m)
Wheelbase	
Short	16 ft 6.5 in (5.04 m)
Long	20 ft 4.5 in (6.21 m)
Tandem spacing	6 ft (1.83 m)
Front axle to articulation	7 ft 9.5 in (2.37 m)

WEIGHTS

	Short Wheelbase	Long Wheelbase(9 man cab)
Tare	28,000 lbs (12,700 kg)	29,300 lbs (13,300 kg)
Payload	30,000 lbs (13,600 kg)	30,000 lbs (13,600 kg)
G.V.W.	58,000 lbx (26,300 kg)	59,300 lbs (26,900 kg)

GRADEABILITY

Side: 30% Forward: 60%

FUEL CAPACITY

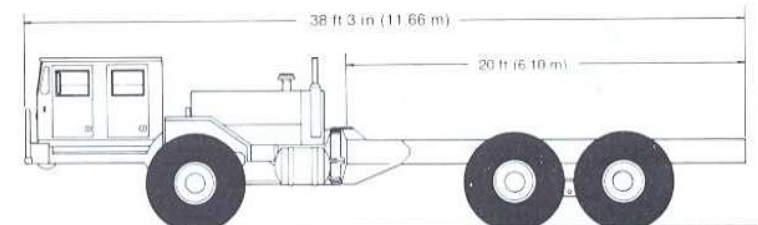
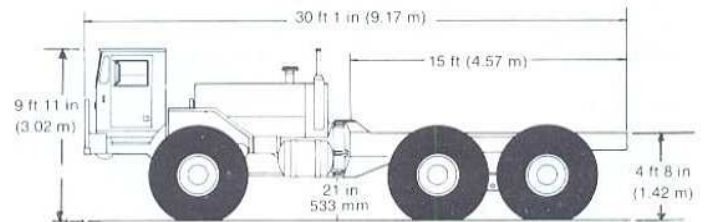
The Delta 3B has two fuel tanks, with a total capacity of 120 US gallons (454 litres).

PERFORMANCE

Turning radius	26 ft	(7.92 m)
Maximum speed	23.7 mph	(38.1 km/h)
Fording depth	4 ft 6 in	(1.37 m)
Ground clearance	21 in	(533 mm)

GROUND PRESSURE

LOAD		PRESSURE	
Tons	Tonnes	PSI	kg/cm ²
0	0	8	1.2
5	4.5	11	1.6
10	9.1	13	1.9
15	13.6	16	2.3



Unless otherwise stated, specifications given are for standard unit and subject to change without notice. For information on other available optional equipment and equipment mounts, please contact Canadian Foremost Ltd.

FOREMOST

Magnum 4



GENERAL DESCRIPTION

The largest Terra-tired vehicle manufactured by Foremost, the Magnum is designed to carry loads weighing up to 70 tons (63.5 Tonnes) in difficult off-road conditions. For pipeline construction, the Magnum can be equipped with custom designed pipe bunks to haul large diameter pipe. With a deck and winch, the Magnum becomes the ultimate heavy hauler for the toughest terrain conditions.

ENGINE

Detroit Diesel 12V71-T with variable speed governor, 465 HP (347 kW) at 2100 RPM. Optional engine available: Cummins KT1150, 450 HP (336 kW) @ 2100 RPM.

TRANSMISSION

Clark 8000 series, full power shift, converter lock-up, and front axle disconnect.

Forward	1	2	3	4	5	6	7	8
mph	2.5	3.3	4.9	6.4	9.3	12.1	17.7	22.9
km/h	4.0	5.3	7.9	10.3	15.0	19.5	28.5	36.9
Reverse	1	2	3	4				
mph	2.5	4.9	9.3	17.7				
km/h	4.0	7.9	15.0	28.5				

DIFFERENTIAL

Rockwell SPR-440 double reduction with hypoid gearing and Detroit no-spins.

STEERING

Centre frame hydraulically actuated and cushioned. Full power steering with pilot operated main steer valve and gear pump.

BRAKES

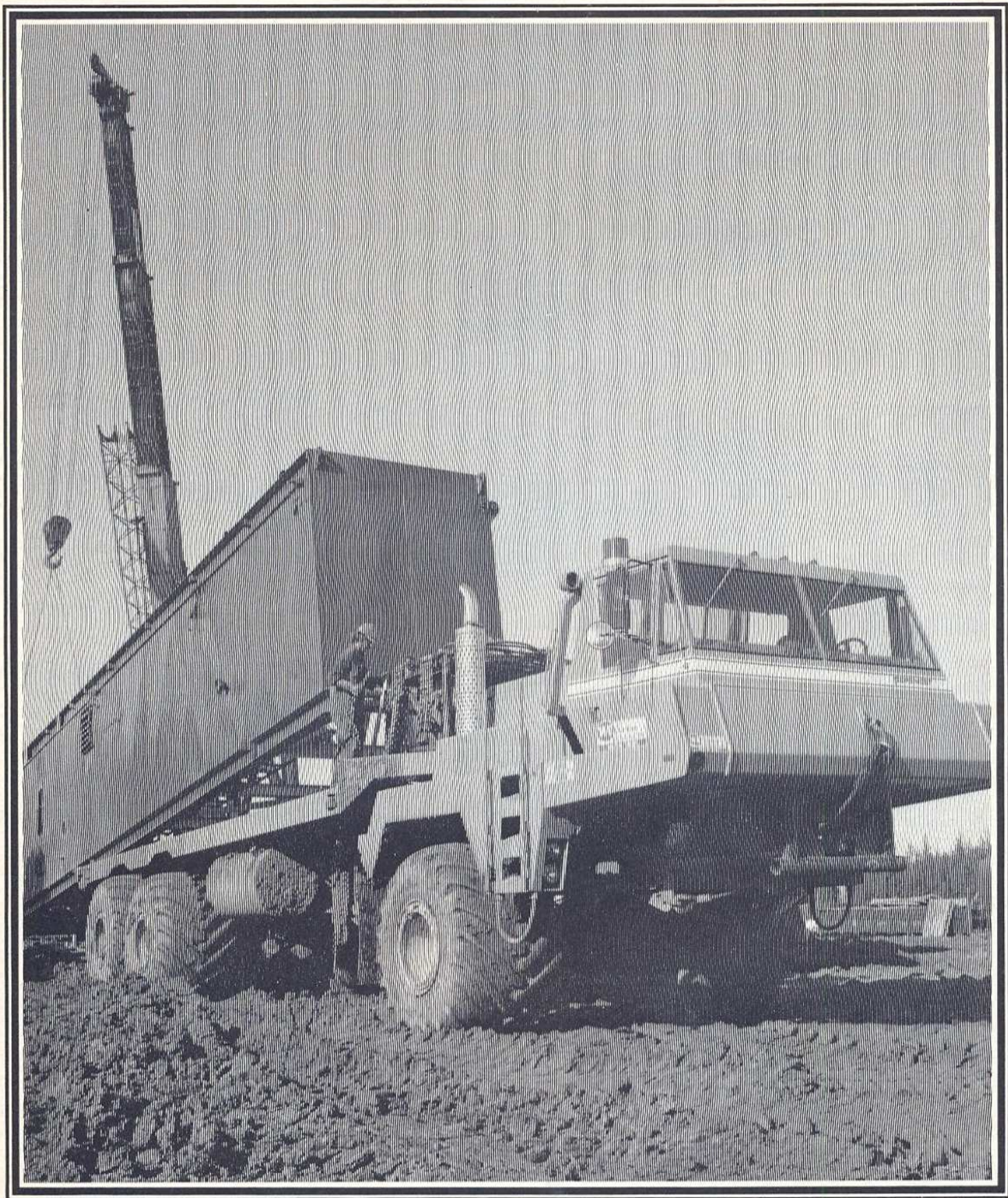
Service brakes are air operated drum type on all wheels. Parking brakes are spring applied on forward tandem axles.

SUSPENSION

Hendrickson R1000 Series walking beam suspension front and rear with rubber bushings; 100,000 lb. (45,400 kg) rated capacity, 80 in. (2032 mm) beams standard.

TIRES & WHEELS

Goodyear Super Terra Grip 66 X 43.00 X 25 — 28 PR, tubeless. Wheels are heavy duty 5 piece earthmover type.



 FOREMOST

THE FOREMOST

TRACKED VEHICLES

NODWELL 60

Payload: 8,000 lbs., 3,630 kg
Ground Bearing Pressure (Max. Load): 2.13 P.S.I., 0.15 kg/cm²
Maximum Speed:
 Low ratio, diesel engine 7.3 mph, 11.8 km/h
 High ratio, diesel engine 12.2 mph, 19.6 km/h
BHP (SAE): 92 HP (69 kW) @ 2500 RPM
Suspension: Walking beam
Length: 16 ft. 11 in., 5.16 m
Width: 8 ft. 3 in., 2.50 m
Height: 8 ft., 2.44 m



NODWELL 110

Payload: 16,000 lbs., 7,260 kg
Ground Bearing Pressure (Max. Load): 2.81 P.S.I., 0.20 kg/cm²
Maximum Speed: 10.8 mph, 17.4 km/h
BHP (SAE): 120 HP (90 kW) @ 2500 RPM
Suspension: Torsional coil spring
Length: 20 ft., 6.10 m
Width: 9 ft. 11 in., 3.02 m
Height: 8 ft. 10 in., 2.69 m



NODWELL 110 C

Payload: 20,000 lbs., 9,080 kg
Ground Bearing Pressure (Max. Load): 3.11 P.S.I., 0.22 kg/cm²
Maximum Speed: 10.8 mph, 17.4 km/h
BHP (SAE): 120 HP (90 kW) @ 2500 RPM
Suspension: Torsional coil spring
Length: 23 ft. 9 in., 7.23 m
Width: 9 ft. 8 in., 2.95 m
Height: 8 ft. 11 in., 2.72 m



CHIEFTAIN

Payload: 30,000 lbs., 13,600 kg
Ground Bearing Pressure (Max. Load): 3.52 P.S.I., 0.25 kg/cm²
Maximum Speed: 14.7 mph, 23.6 km/h
BHP (SAE): 197 HP (147 kW) @ 2800 RPM
Suspension: Torsional coil spring
Length: 31 ft. 9 in., 9.68 m
Width: 9 ft. 7 in., 2.92 m
Height: 8 ft. 10 in., 2.69 m



PIONEER

Payload: 50,000 lbs., 22,700 kg
Ground Bearing Pressure (Max. Load): 4.3 P.S.I., 0.23 kg/cm²
Maximum Speed: 8.4 mph, 13.6 km/h
BHP (SAE): 262 HP (195 kW) @ 2100 RPM
Suspension: Torsional coil spring
Length: 35 ft. 10 in., 10.92 m
Width: 10 ft. 10 in., 3.30 m
Height: 9 ft. 7 in., 2.92 m



HUSKY 8G

Payload: 80,000 lbs., 36,300 kg
Ground Bearing Pressure (Max. Load): 4.34 P.S.I., 0.30 kg/cm²
Maximum Speed: 9.0 mph, 14.5 km/h
BHP (SAE): 350 HP (261 kW) @ 2100 RPM
Suspension: Torsional coil spring
Length: 46 ft. 7 in., 14.2 m
Width: 12 ft., 3.6 m
Height: 13 ft. 6 in., 4.1 m



NODWELL 240 VIBROCARRIER

Payload: 24,000 lbs., 10,900 kg
Ground Bearing Pressure (Max. Load): 3.98 P.S.I., 0.28 kg/cm²
Maximum Speed: 13.1 mph, 21.1 km/h
BHP (SAE): 197 HP (147 kW) @ 2800 RPM
Suspension: Walking beam
Length: 25 ft. 10 in., 7.87 m
Width: 11 ft. 8 in., 3.56 m
Height: 10 ft. 1 in., 3.07 m

WHEELED VEHICLES

DELTA 2B

Payload: 20,000 lbs., 9,080 kg
All wheel drive
Ground Bearing Pressure (Max. Load): 18 P.S.I., 1.27 kg/cm²
Maximum Speed: 28 mph, 45 km/h
BHP (SAE): 197 HP (147 kW), @ 2800 RPM
Suspension: Multi-leaf spring, front; rigid, rear
Length: 27 ft. 2 in., 8.28 m
Width: 10 ft. 10 in., 3.30 m
Height: 9 ft. 6 in., 2.90 m

DELTA 2C

Payload: 20,000 lbs., 9,080 kg
All wheel drive
Ground Bearing Pressure (Max. Load):
 Off-road tires 17.0 P.S.I., 1.2 kg/cm²
 On-road tires 75.0 P.S.I., 5.2 kg/cm²
Maximum Speed:
 Off-road tires 21 mph, 34 km/h
 On-road tires 36.1 mph, 58.1 km/h
BHP (SAE): 175 HP (130 kW) @ 2500 RPM
Suspension: Multi-leaf spring, front; rigid, rear
Length: 30 ft., 9.14 m
Width: 10 ft. 9 in., 3.28 m
Height: 9 ft. 11 in., 2.89 m

DELTA 3B

Payload: 30,000 lbs., 13,600 kg
All wheel drive
Ground Bearing Pressure (Max. Load): 16.0 P.S.I., 1.12 kg/cm²
Maximum Speed: 28 mph, 45 km/h
BHP (SAE): 197 HP (147 kW) @ 2800 RPM
Suspension: Multi-leaf spring, front; walking beam, rear
Length: 30 ft. 1 in., 9.17 m
Width: 10 ft. 10 in., 3.30 m
Height: 9 ft. 6 in., 2.9 m

MARAUDER

Payload: 25,000 lbs., 11,400 kg
All wheel drive
Ground Bearing Pressure (Max. Load): 16 P.S.I., 1.12 kg/cm²
Maximum Speed: 29 mph, 47.3 km/h
BHP (SAE): 304 HP (227 kW) @ 2100 RPM
Suspension: Multi-leaf spring, front; walking beam, rear
Length: 36 ft. 9 in., 11.20 m
Width: 10 ft. 10 in., 3.30 m
Height: 9 ft. 7 in., 2.92 m

PRODUCT LINE



COMMANDER C

Payload: 60,000 lbs., 27,200 kg
All wheel drive
Ground Bearing Pressure
 (Max. Load): 35 P.S.I., 2.45 kg/cm²
Maximum Speed: 28 mph, 45 km/h
BHP (SAE): 350 HP (261 kW) @ 2100 RPM
Suspension: Multi-leaf spring, front; walking beam, rear
Length 46 ft. 6 in., 14.17 m
Width 11 ft. 6 in., 3.50 m
Height 11 ft. 9 in., 3.58 m



SUPER COMMANDER C

Payload: 80,000 lbs., 36,300 kg
All wheel drive
Ground Bearing Pressure
 (Max. Load): 34.0 P.S.I., 2.4 kg/cm²
Maximum Speed: 25 mph, 40 km/h
BHP (SAE): 525 HP (392 kW) @ 2100 RPM
Suspension: Walking beam, front and rear
Length 49 ft. 8 in., 15.14 m
Width 11 ft. 6 in., 3.50 m
Height 12 ft. 2 in., 3.71 m



MAGNUM 4

Payload: 140,000 lbs., 63,300 kg
All wheel drive
Ground Bearing Pressure
 (Max. Load): 48 P.S.I., 3.4 kg/cm²
Maximum Speed: 23 mph, 37 km/h
BHP (SAE): 465 HP (347 kW) @ 2100 RPM
Suspension: Walking beam, front and rear
Length 53 ft. 4 in., 16.3 m
Width 13 ft. 1 in., 4.0 m
Height 9 ft. 5 in., 2.9 m



TERRA BUS

56 passenger (Max.)
All wheel drive
Ground Bearing Pressure
 (Max. Load): 15 P.S.I., 1.05 kg/cm²
Maximum Speed: 25.7 mph, 41.4 km/h
BHP (SAE): 210 HP (155 kW) @ 2100 RPM
Suspension: Multi-leaf spring, front; walking beam, rear
Length 42 ft. 8 in., 13.0 m
Width 11 ft. 10 in., 3.61 m
Height 12 ft. 8 in., 3.86 m



POWERED CHASSIS

Gross Axle Ratings 70,000 lbs. to 100,000 lbs., 31,800 kg to 45,400 kg
Horsepower Range (BHP-SAE) 228 HP to 600 HP, 170 kW to 448 kW
Axle Configurations 4 x 2 drive, 5 x 2 drive
Speed 45 mph, 72 km/h
Suspension Multi-leaf spring, front; walking beam, rear.





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