

FOREMOST

Delta 100



GENERAL DESCRIPTION

The Delta 100 is a low ground bearing pressure 4 x 4 off and on road vehicle with a 5 ton payload capacity. It features modern design, a smooth ride and high quality proven components for long vehicle life. The short wheelbase and compact design provides a tight turning radius. These features make the Delta 100 an ideal support vehicle for geophysical, pipeline, utility or general construction projects.

ENGINE

A variety of proven engines are available including: DDA 4-53 N, 136 HP (101 kw); Duetz Diesel BF6L913, 160 HP (119 kw), Ford Gas 351 C.I.D. (5.8 L) 171 HP (128 kw). All engines include emergency shutdown systems.

TRANSMISSION

Engine mounted Allison MT643 automatic transmission with single stage multi-phase convertor. Lubrication filter, PTO provision, and modulated lockup is included. The DDA engine and 66x43x25 Terra tires will give the following vehicle speeds:

Forward (Low Range)		1	2	3	4	Rev.
	mph	4.8	8.2	13.8	19.2	2.4
	km/h	7.7	13.2	22.2	30.9	3.9
(High Range)	mph	6.5	11.1	18.8	26.3	3.3
	km/h	10.5	17.9	30.2	42.3	5.3

Other transmissions available including standards and power shifts.

TRANSFER CASE

Rockwell T-226 transfer case with optional full horse-power PTO.

AXLES

Eaton extra heavy custom non-planetary axles. Front axle has planetary deep reduction ring gear differential and rear axle has a dual range differential with no spins. Front axle disconnect is standard.

STEERING

Fluid link to a single double acting steering cylinder comprising of a gear pump, relief valve and power steering control unit.

BRAKES

Service brakes are air applied drum brakes on rear two wheels with automatic slack adjusters. Failsafe parking brakes on rear drums with additional spring applied parking brake on transmission.

SUSPENSION

Front suspension consists of semi-elliptical, multi-leaf springs with torque rods; rear axle is rigid mounted. Frame oscillation of $\pm 12^\circ$ assists in keeping tires in ground contact for better mobility over rough terrain.

TIRES & WHEELS

Tire sizes range as follows:

Terra Tires:	66x43x25 STG 6PR
Agriculture:	23.1x26 Power Torque 10PR
	28Lx26 Power Torque 10PR
All Terrain:	24 R21 XL Radial
Enquire about other sizes also available. All wheels are steel single disc type.	

CAB

Foremost 4 man cab-forward type fully insulated with low entrance, maximum visibility and human factor engineered for maximum operator comfort and efficiency. Optional 3 and 6 man cabs available.

FRAME

Sturdy frame of high strength alloy steel. Compact center frame steering articulation joint provides tight turning radius.

ELECTRICAL

12 volt 8D battery with heavy duty wiring for all weather operation. Alternator 65 amp, 12 volt. Full instrumentation.

AIR CLEANER

Medium duty service dry type air cleaner. Optional precleaners available.

AIR SYSTEM

Bendix 500 series direct driven compressor with optional dryer.

DIMENSIONS

Length			
Overall	26 ft. 7 in.	(8.10 m)	
Height			
Overall	8 ft. 10 in.	(2.69 m)	
Width			
Overall	10 ft. 10 in.	(3.30 m)	
Frame Width	34 in.	(864 mm)	
Wheelbase	13 ft. 0 in.	(3.96 m)	
Chassis Clearance at Articulation	2 ft. 4 in.	(0.71 m)	
Front axle to Articulation	6 ft. 3 in.	(1.90 m)	
Approach Angle	28°		
Departure Angle	38°		
Deck			
Length	12 ft.	(3.66 m)	
Width	8 ft.	(2.44 m)	
Height	5 ft. 11 in.	(1.80 m)	

Unless otherwise stated, specifications are for unit equipped with 66x43x25 tires. For information on other available optional equipment and equipment mounts, please contact Canadian Foremost Ltd.

MAJOR OPTIONAL ACCESSORIES

Cargo type deck 8 x 12 ft. (2.4 x 3.6 m)

Winches: Front or rear

Mechanical or hydraulic

Arctic or tropical packages

Other options available on request

WEIGHTS

(with 66x43x25 terra tires and cargo deck)

Tare	18,000 lbs.	(8,200 kgs)
Payload	10,000 lbs.	(4,500 kgs)
G.V.W.	28,000 lbs.	(12,700 kgs)

FUEL CAPACITY

Two round steel tanks providing 70 U.S. gallons (265 litres) total.

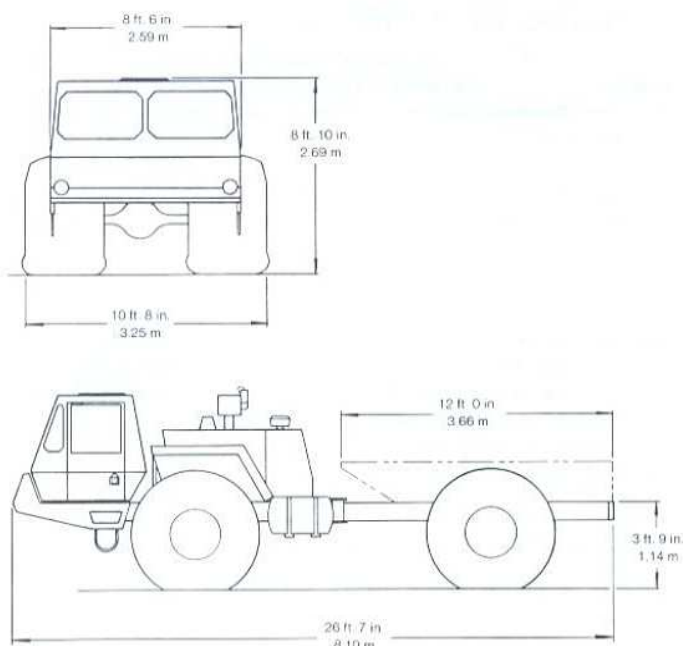
PERFORMANCE

Turning Radius	23 ft.	(7.0 m)
Fording Depth	4 ft. 2 in.	(1.27 m)
Ground Clearance	19 in.	(483 mm)
Maximum Speed	26.3 mph	(42.3 km/h)
Gradeability:	Side - 30%	Forward - 60%

GROUND PRESSURE

LOAD		PRESSURE*	
Tons	Tonnes	PSI	kPa
0	0	3.5	24
3	2.7	4.6	32
5	4.5	5.4	37

*Goodyear 66x43x25 Super Terra Grip @ 3 in. (76 mm) penetration.



FOREMOST

Delta 2B



GENERAL DESCRIPTION

The Delta 2B is a highly mobile, two axle terra-tired transporter. Utilizing the same basic design features as the larger capacity Delta 3B, this 10 ton carrier is the ideal support vehicle for geophysical, drilling, pipeline and general construction projects in marginal terrain.

ENGINE

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

TRANSMISSION

Clark 28420 full powershift transmission. Integral bi-directional PTO and integral hydraulic pump drive. Spicer 1550 series drivelines with Dana glidecote splines.

Forward	1	2	3	4
mph	4.3	9.0	15.7	27.9
km/h	6.9	14.5	25.3	44.9
Reverse				
mph	4.3	9.0	15.7	27.9
km/h	6.9	14.5	25.3	44.9

DIFFERENTIAL

Clark BD-45-60 planetary type with Detroit No-Spins.

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 brake.

SUSPENSION

Front suspension consists of semi-elliptical, multi-leaf springs; rear suspension is rigid, stabilized by torque arms.

TIRES & WHEELS

Goodyear Super Terra Grip 66 x 43.00 x 25, 6 PR (tubeless). Wheels are steel disc type.

CAB

4 man, cab-forward type. Heavy steel exterior, lined with leatherette panels and fully insulated walls and roof. Roll down windows with sliding rear window on driver's side. Full instrumentation: engine water temperature gauge, engine oil pressure gauge, voltmeter, transmission oil temperature and transmission oil pressure gauges, tachometer/hourmeter, speedometer/odometer, fuel

gauges and air pressure gauge. Escape hatch; heavy duty two-speed windshield wipers; Bostrom Viking T-bar seat; and fully padded bench passenger seat.

FRAME

Heat treated, high strength alloy steel channel rails. Frame articulated joint with self-aligning ball bushings. Bolted construction.

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. Compressor is direct driven. Two air reservoirs with a total capacity of 3940 cu in (64.6 litres).

WEIGHTS

Tare	23,500 lbs	10,700 kg
Payload	20,000 lbs	9,030 kg
G.V.W.	43,500 lbs	19,730 kg

GRADEABILITY

Side 30% Forward 60%

FUEL CAPACITY

The Delta 2B has two fuel tanks with a total capacity of 120 US gallons (454 litres).

PERFORMANCE

Turning radius	24 ft	(7.30 m)
Maximum speed	27.9 mph	(44.9 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	10	0.69
5	4.5	14	0.98
10	9.1	18	1.27

DIMENSIONS

Length

Overall 27 ft 2 in (8.28 m)

Height

Overall 9 ft 6 in (2.90 m)

W/O Tires 7 ft 10 in (2.39 m)

Rear Frame 4 ft 10 in (1.47 m)

Width

Overall 10 ft 10 in (3.30 m)

W/O Tires 8 ft 6 in (2.59 m)

Optional Deck

Length 12 ft (3.66 m)

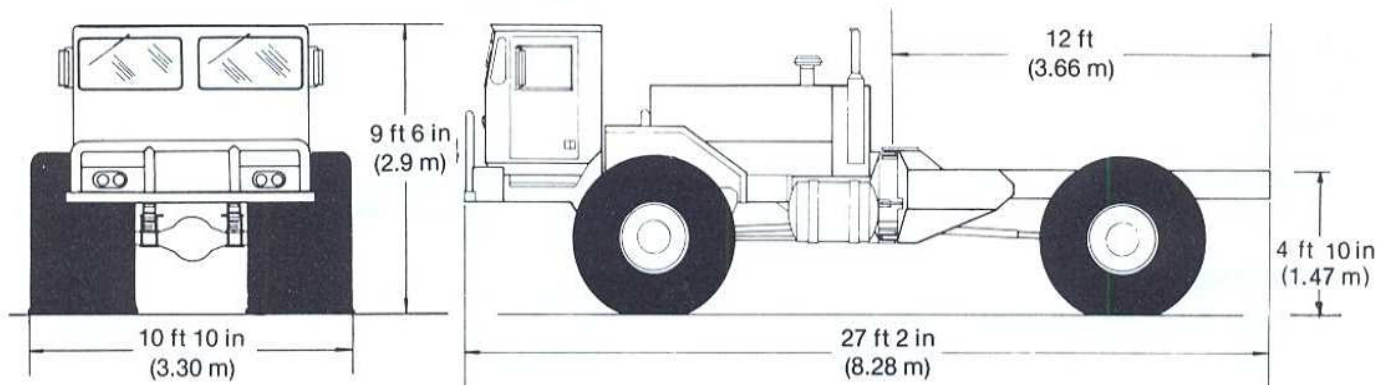
Width 8 ft (2.44 m)

Live roll height 6 ft (1.83 m)

Wheelbase 15 ft 2 in (4.81 m)

Track 7 ft 3 in (2.21 m)

Front axle to articulation 7 ft 9 in (2.37 m)



Unless otherwise stated, specifications are for standard unit and are subject to change without notice. For

information on other available optional equipment and equipment mounts, please contact Canadian Foremost Ltd.

FOREMOST Delta 2C



GENERAL DESCRIPTION

A multi-purpose vehicle for on and off-road transportation, the Delta 2C is designed for use with standard truck tires or Terra tires. With conventional truck tires, the Delta 2C is capable of operating on established roads at speeds up to 36 mph; equipped with large, low pressure Terra tires, the Delta 2C is ready to handle marginal terrain conditions. Load capacity of the Delta 2C is 10 tons (9.1 Tonnes). Unit shown in photo above has been equipped with vibroseis equipment to meet customer requirements.

ENGINE

Detroit Diesel 453T, 175HP (130kW) @ 2500 RPM. Equipped with a variable speed governor and automatic engine shut-down.

TRANSMISSION

Clark R28622 full powershift transmission (3 speeds forward plus range shift) and torque converter (electric lock-up). Mechanical drive train was selected for maximum performance, dependability and ease of maintenance.

Equipped with Terra Tires
Low range (forward and reverse)

	1	2	3
mph	4.2	7.8	20.9
km/h	6.7	12.5	33.6

Equipped with Super Singles
Low range (forward and reverse)

	1	2	3
mph	3.1	5.8	15.7
km/h	4.9	9.3	25.2

High Range (forward and reverse)

	1	2	3
mph	7.3	13.8	36.1
km/h	11.7	22.2	58.1

DIFFERENTIAL

Clark BD-45-60 planetary type; equipped with Detroit No-Spins.

STEERING

Centre frame articulated, flow controlled power steering.

BRAKES

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

SUSPENSION

Front suspension is semi-elliptical multi-leaf spring, full floating. Axles are stabilized by three torque rods.

TIRES & WHEELS

Off-road Terra tires are Goodyear 66 x 43.00 x 25 STG — 6PR. Wheels are steel disc type. Other optional off-road tires available in addition to on-road Super Singles 18 x 22.5 TXG — 16 PR.

CAB

Foremost's V3100 series cab: large 8 ft. (2.4 m) wide cab seats three (driver and two passengers); human factor engineered for maximum operator comfort and effectiveness. Heavy steel exterior, all-welded construction. Integral escape hatch; full width sliding rear window. Full instrumentation in wrap-around type panel for better visibility.

FRAME

All welded, I beam construction. Rubber cushioning at articulation joint absorbs shock and provides for $\pm 8^\circ$ oscillation. The heavy rigid frame is ideal for various equipment mounts.

ELECTRICAL

12 volt 8D battery with heavy duty wiring for all-weather operation. Alternator is 84 amp.

AIR CLEANER

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

AIR SYSTEM

Bendix Tu-Flo 500 compressor 12.5 CFM (353 litres/min) @ 1250 RPM. Bendix air dryer. Three reservoirs with a total capacity of 5910 cu in (96.8 litres).

DIMENSIONS

Length	30 ft	(9.14 m)
Width		
W/Terra Tires	10 ft 9 in	(3.28 m)
W/Super Singles	8 ft	(2.44 m)
Height		
W/Terra Tires	9 ft 11 in	(3.02 m)
W/Super Singles	9 ft 3 in	(2.82 m)

WEIGHTS

	Off-road tires (6 PR)		(10 PR)		On-road tires	
Tare	21,000 lbs	9,530 kg	21,000 lbs	9,530 kg	18,300 lbs	8,310 kg
Payload	15,000 lbs	6,810 kg	19,000 lbs	8,630 kg	19,000 lbs	8,630 kg
G.V.W.	36,000 lbs	16,340 kg	40,000 lbs	18,160 kg	37,300 lbs	16,940 kg

FUEL CAPACITY

Total fuel capacity is 120 US gallons (454 litres).

PERFORMANCE

Off-road tires		
Turning radius	22 ft	(6.7 m)
Maximum speed	20.9 mph	(33.6 km/h)
Fording depth	5 ft	(1.52 m)
Ground clearance	21 in	(533 mm)
On-road tires		
Turning radius	22 ft	(6.7 m)
Maximum speed	36.1 mph	(58.1 km/h)
Fording depth	4 ft 4 in	(1.32 m)
Ground clearance	13 in	(330 mm)

GROUND PRESSURE

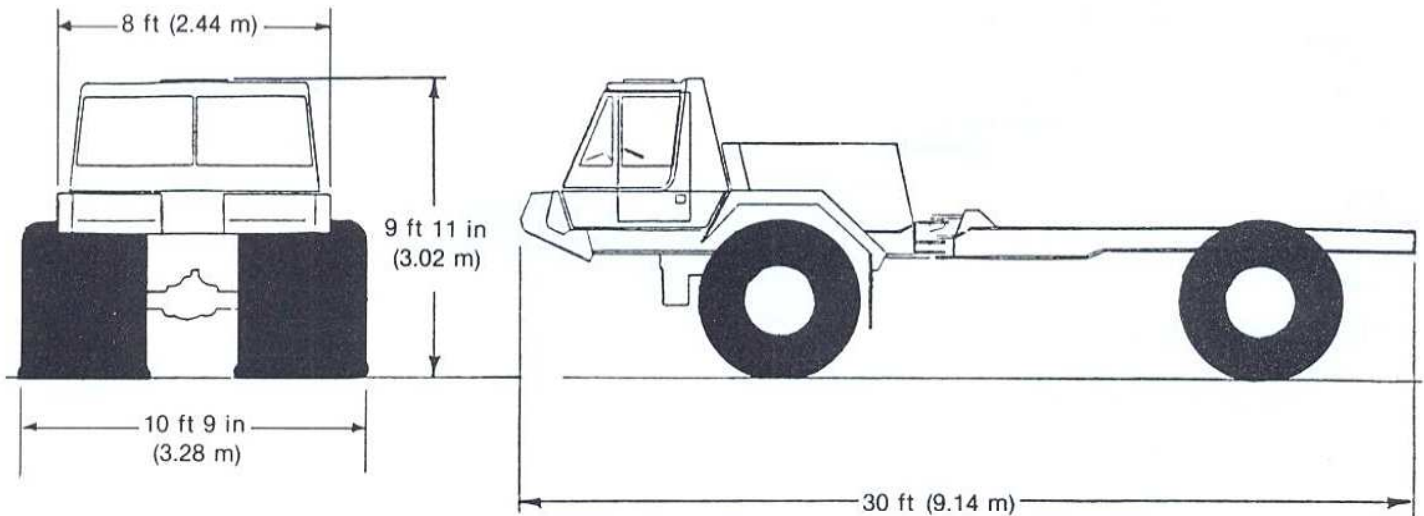
LOAD		PRESSURE Off-road tires		PRESSURE On-road tires	
Tons	Tonnes	PSI	kg/cm ²	PSI	kg/cm ²
0	0	10	0.7	75	5.2
5	4.5	13	0.9	75	5.2
7.5	6.8	15	1.0	75	5.2
10	9.1	17	1.2	75	5.2

Front Axle

to articulation w/terra tires	5 ft 6 in	(1.66 m)
to articulation w/super singles	5 ft 1 in	(1.55 m)

Wheel Base

16 ft	(4.88 m)
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Specifications given are for standard unit and subject to change without notice. For information on other available equipment or equipment mounts, please contact Canadian Foremost Ltd.

FOREMOST Commander C



GENERAL DESCRIPTION

The Commander C incorporates Foremost's latest design features for improved performance and mobility in marginal terrain conditions. The Commander is widely used in the petroleum industry as well as other resource industries for heavy hauling across soft ground, mud, sand and snow. For oilfield hauling, the Commander C is available with a heavy duty oilfield deck, winch and live roll.

ENGINE

Detroit Diesel 8V71T N75, 362 HP (270 kW) @ 2100 RPM. Also features automatic engine shut-down and variable-speed governor. Optional engine available: Cummins 855 NTA 360, 360 HP (268 kW) @ 2100 RPM. Modern low profile engine hood design. Hinged service panels allow easy access to all parts.

TRANSMISSION

Clark 5000 series and Clark 8000 series converter with mechanical lock-up. Spicer 1710 and 1810 prop shafts. Glidecote splines, dynamically balanced.

Forward	1	2	3	4	5	6	7	8
mph	3.8	5.0	6.8	9.0	12.0	15.8	21.4	27.9
km/h	6.1	8.0	10.9	14.5	19.3	25.4	34.4	44.9

Reverse	1	2	3	4
mph	3.8	6.9	12.0	21.4
km/h	6.1	10.9	19.3	34.4

DIFFERENTIAL

Rockwell SPR - 413 planetary axles with Detroit No-Spins.

STEERING

Hydraulic centre frame steering. Full time power steering with rugged pressure compensating piston pump.

BRAKES

Service brakes on all axles. Spring parking brakes on rear two axles.

SUSPENSION

Front suspension consists of semi-elliptical multi-leaf springs, full floating, stabilized by three torque arms. Rear suspension is Hendrickson R700 series walking beam with rubber bushings; 70,000 lbs. (31,800 kg) rated capacity, 72 inch (1830 mm) beams.

TIRES & WHEELS

Goodyear Super Terra Grip 66 X 43.00 x 25 - 20 PR, tubeless. Wheels are five piece earthmover type rim.

CAB

Foremost V3100 series: 4 man cab-forward design. Heavy steel exterior, fully insulated walls and roof. Escape hatch. Full slider rear window. High capacity heaters and defrosters. Heavy duty two speed windshield wipers. Full instrumentation: engine water temperature and engine oil pressure gauges, ammeter, transmission oil temperature and pressure gauges, tachometer (convertor), tachometer/hourmeter (engine), speedometer/odometer, air pressure gauge, fuel gauge.

FRAME

Welded alloy steel, wide flange construction. Frame articulated joint with self-aligning ball bushings.

ELECTRICAL

Four batteries, 7D. 6 volt. Heavy duty fabric covered wiring for all-weather operation. Alternator is 90 amp, 12 volt. Automatic reset circuit breakers.

AIR CLEANER

Donaldson heavy duty, dry type (2) with service indicator.

AIR SYSTEM

Compressor 25 CFM (708 litres/min.) at 1250 RPM. Air reservoirs (3) 5910 cu in (96.9 litres) total capacity.

WEIGHTS*

Tare	65,000 lbs.	29,500 kg
Payload	60,000 lbs.	27,200 kg
G.V.W.	125,000 lbs.	56,700 kg

GRADEABILITY

Side: 30% Forward: 60%

FUEL CAPACITY

Two fuel tanks: 180 US gallons (687 litres) each.

PERFORMANCE

Turning radius	45 ft	(13.7 m)
Maximum speed	27.9 mph	(44.9 km/h)
Fording depth	5 ft 5 in	(1.65 m)
Ground clearance	19 in	(483 mm)

GROUND PRESSURE*

LOAD		PRESSURE	
Tons	Tonnes	PSI	kg/cm ²
0	0	18	1.26
10	9.1	23	1.66
20	18.1	29	2.05
30	27.2	35	2.44

*Based on unit equipped with deck, live roll and winch.

DIMENSIONS

Length

Overall (L1)	47 ft 8 in	14.53 m
Overall with deck (L2)	49 ft 0 in	14.94 m

Width

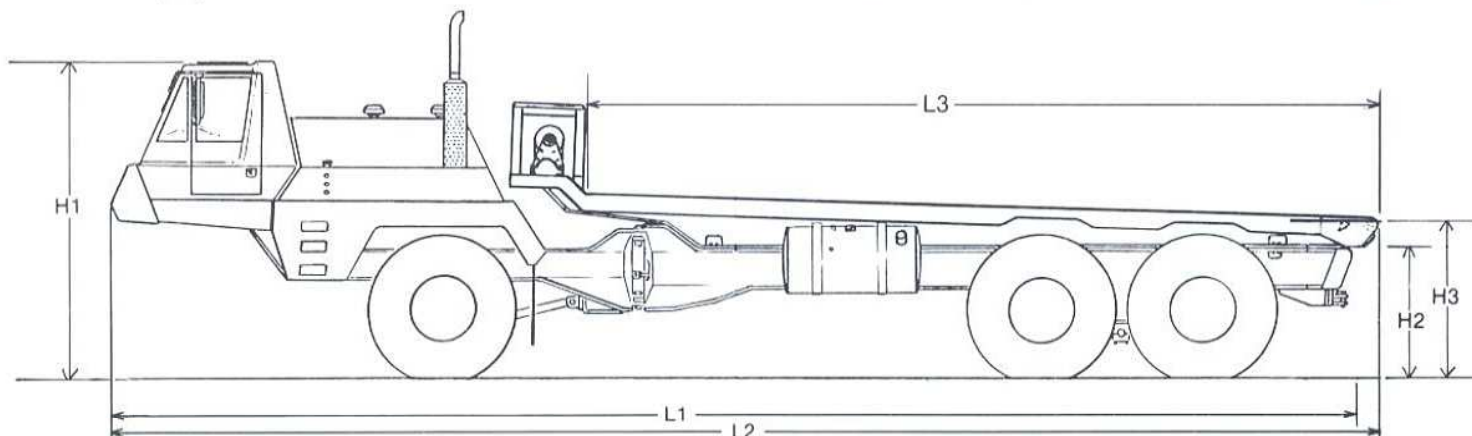
Overall	11 ft 6 in	3.50 m
Without tire & fender extensions	9 ft 1 in	2.77 m

Height

Overall (H1)	11 ft 9 in	3.58 m
Rear frame (H2)	4 ft 10 in	1.47 m

Deck

Width	10 ft 0 in	3.05 m
Length (L3)	30 ft 0 in	9.14 m
Live roll height (H3)	6 ft 6 in	1.98 m
Track	8 ft 0 in	2.44 m
Wheel Base	26 ft 8 in	8.13 m
Tandem spacing	6 ft 0 in	1.83 m
Front Axle to Articulation	8 ft 9 in	2.67 m



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

Super Commander C



GENERAL DESCRIPTION

The Super Commander C is the logical design evolution from the successful Commander C. The Super Commander C incorporates Foremost's latest design features for improved performance and mobility in marginal terrain conditions. The Super Commander C will find wide use in the construction and petroleum industries for heavy hauling across mud, soft ground, sand and snow.

ENGINE

The Super Commander C is equipped with a Cummins KTA-1150, 525 HP (392 kW) @ 2100 RPM. Also features automatic engine shutdown and variable speed governor. Modern low profile engine hood design. Hinged service panels allow easy access to all parts.

TRANSMISSION

Clark 8000 series transmission and Clark 8000 series converter with mechanical lock-up. Spicer 1710 and 1810 prop shafts, Glidecote splines, dynamically balanced.

Foreward	1	2	3	4	5	6	7	8
mph	2.6	3.5	5.2	6.8	9.9	13.1	19.4	25.3
km/h	4.2	5.6	8.4	10.9	15.9	21.1	31.2	40.7
Reverse	1	2	3	4				
mph	2.6	5.2	9.9	19.4				
km/h	4.2	8.4	15.9	31.2				

DIFFERENTIAL

Rockwell SPR-413 planetary axles with Detroit No-Spin.

STEERING

Hydraulic centre frame steering. Full time power steering with rugged pressure compensating piston pump.

BRAKES

Service brakes on all axles. Spring parking brakes on rear two axles.

SUSPENSION

Front and rear suspension is Hendrickson R700 series walking beam with rubber bushings: 70,000 lb. (31,800 kg) rated capacity, 72 inch (1830 mm) beams.

TIRES & WHEELS

Goodyear Super Terra Grip 66 x 43.00 x 25 - 20 PR tubeless. Wheels are five piece earthmover type rim.

CAB

Foremost's V3100 series: 4 man, cab-forward design. Heavy steel exterior, fully insulated walls and roof. Escape hatch. Full slider rear window. High capacity heaters and defrosters. Heavy duty two speed windshield wipers. Full instrumentation: engine water temperature gauge, engine oil pressure gauge, voltmeter, transmission oil temperature and pressure gauges, tachometer (converter), tachometer/hourmeter (engine), speedometer/odometer, air pressure gauge, fuel gauge.

FRAME

Welded alloy steel, wide flange construction. Frame articulated joint with self-aligning ball bushings.

ELECTRICAL

Four batteries, 7D-6 volt. Heavy duty wiring for all weather operation. Alternator is 90 amp, 12 volt. Automatic reset circuit breakers.

AIR CLEANER

Donaldson heavy duty, dry type with service indicator.

AIR SYSTEM

Compressor 30 CFM (850 litres/min.) at 1250 RPM. Air reservoirs (3) 5900 cu. in. (97 litres) total capacity.

DIMENSIONS

Length		
Overall	49 ft 8 in	(15.14 m)
With deck	51 ft 11 in	(15.80 m)
Width		
Overall	11 ft 6 in	(3.50 m)
W/O tires	8 ft 6 in	(2.59 m)
Height		
Overall	12 ft 2 in	(3.71 m)
Rear frame	5 ft 2 in	(1.57 m)

WEIGHTS

Tare	85,000 lbs.	38,600 kg
Payload	80,000 lbs.	36,300 kg
G.V.W.	165,000 lbs.	74,900 kg

GRADEABILITY

Side 30% Forward 60%

FUEL CAPACITY

Two fuel tanks, 180 US gallons (1363 litres)

PERFORMANCE

Turning radius	47 ft	(14.3 m)
Maximum speed	25.3 mph	(40.7 km/h)
Fording depth	5 ft 5 in	(1.65 m)
Ground clearance	20 in	(508 mm)

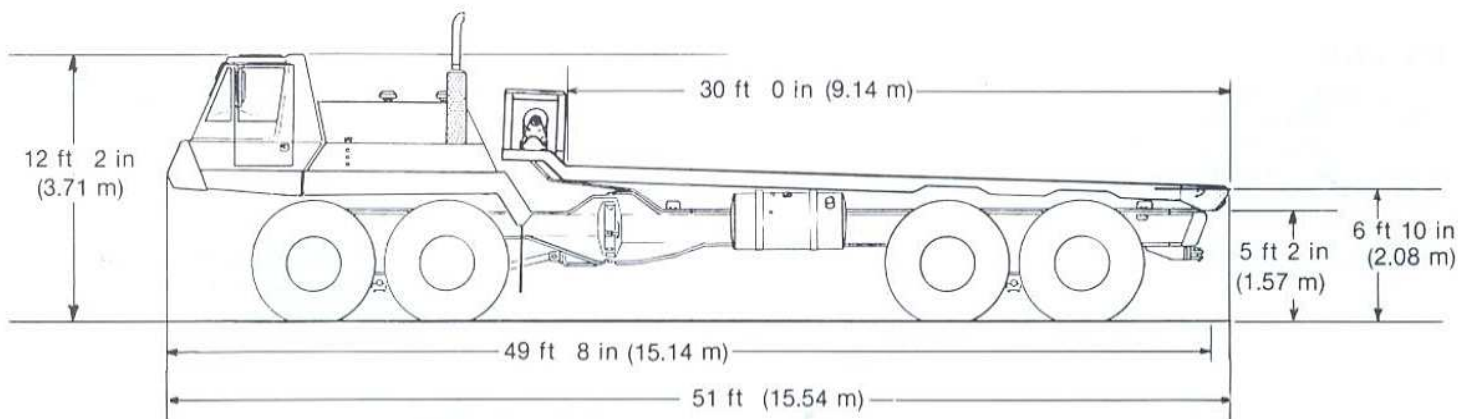
GROUND PRESSURE

LOAD		PRESSURE*	
Tons	Tonnes	PSI	kg/cm ²
0	0	18	1.2
10	9.1	22	1.5
20	18.1	26	1.8
30	27.2	30	2.1
40	36.3	34	2.4

*Based on unit equipped with oilfield deck and main winch.

Deck

Length	31 ft 0 in	(9.45 m)
Width	11 ft 2 in	(3.40 m)
Live roll height	6 ft 10 in	(2.08 m)
Track	7 ft 11 in	(2.41 m)
Wheel Base	29 ft 8 in	(9.04 m)
Tandem spacing	6 ft 0 in	(1.83 m)



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equipment and equipment mounts, please contact Canadian Foremost Ltd.



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