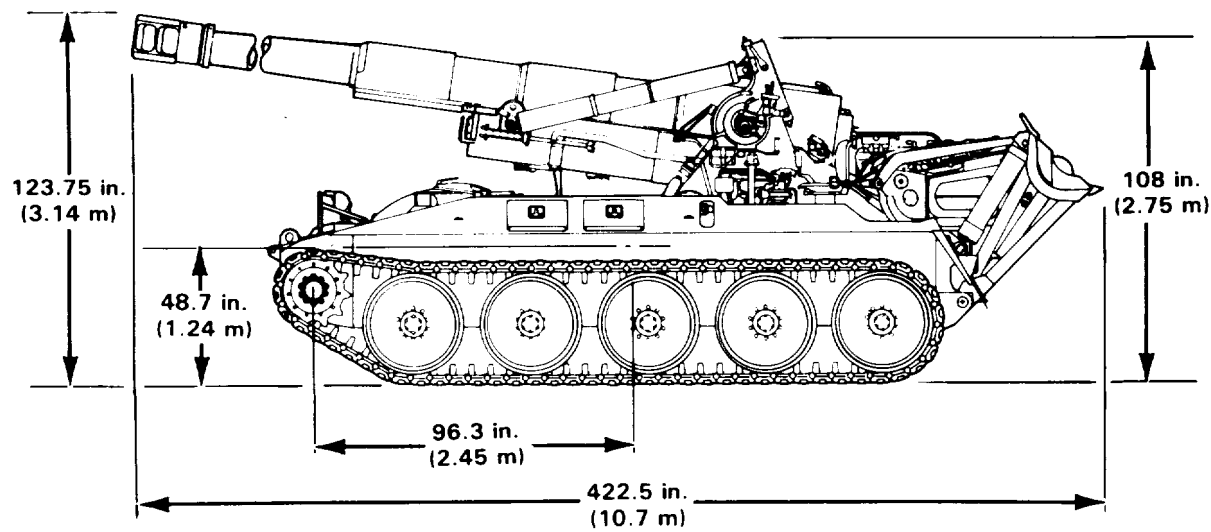


EQUIPMENT DATA

GENERAL

Weight, Combat Loaded	62,500 lb (28,350 kg)
Length	35 ft 2.50 in. (10.7 m)
Width	10 ft 4 in. (3.2 m)
Height	10 ft 3.75 in. (3.14 m)
Ground Clearance	1 ft 3.50 in. (39.4 cm)
Ground Pressure	11.6 psi (80 kPa)
Vehicle Classification, Combat Loaded	29



ENGINE

CAUTION

Do not let engine speed exceed 2300 rpm under any circumstances.

Manufacturer	Detroit Diesel Engine Division, GMC V-8, compression-ignition, liquid cooled
Type	Turbocharged, two-cycle diesel
Model (7083-7398) or (7083-7395)	8V71T
Weight, Dry (as installed)	2442 lb (1107.7 kg)
Number of Cylinders	8
Displacement	568 cu in. (9308 cm ³)
Bore	4.25 in. (10.8 cm)
Stroke	5.0 in. (12.7 cm)
Compression Ratio	17:1
Horsepower, Gross Brake (at 2300 rpm)	405 hp (302 kW)
Horsepower, Net Brake	345 hp (257 kW)
Maximum rpm, No Load (governed)	2450 rpm
Idle Speed	650-700 rpm
Cooling	Liquid

EQUIPMENT DATA-CONTINUED*TRANSMISSION*

Manufacturer Allison Division, GMC
 Type Crossdrive, torque converter,
 planetary gear, all-torque-shifting
 Model XTG-411-2A
 Weight, Dry (as installed) 2390 lb (1084.1 kg)
 Range Selector Four forward speeds, two reverse speeds
 Oil Screen. Reusable screen disk-type or disposable element
 Lubrication Pressure 18 to 45 psi (124 to 310 kPa) at 1835 to 1900 engine rpm
 (minimum 10 psi (69 kPa) at 1000 engine rpm)
 Gear ratios
 First (1) 4.69:1
 Second (2) 3.18:1
 Third (3) 1.59:1
 Fourth (4) 0.794:1
 Reverse 1 (R1) 5.60:1
 Reverse 2 (R2) 3.79:1
 Input Torque (maximum) 880 ft-lb (1188 N-m)
 Input Power, Net (maximum) 360 hp (269 kW)
 Input Speed (maximum) 2300 rpm

GENERATOR

Voltage + 24 V
 Amperage 300 A
 Driven By engine through auxiliary drive
 Cooled. By fan forced air
 Controlled. By voltage regulator

BATTERIES

Number 4
 Voltage +12 V
 Connected Series-parallel
 Output potential. +24 V
 Post to ground. Negative

ARMAMENT

Type Howitzer, 8-in. (203 mm)
 Model M201A1
 Projectiles and Propellant Charges (stowed) 2 rounds
 Maximum Range. 30,000 m w/RAP
 Rates of Fire Maximum rate of fire, 3 rounds every 1 minute
 sustained rate of fire, 1 round every 2 minutes

PERFORMANCE

Maximum Allowable Speed
 Fourth (4). 34 mph (54.7 km/h)

EQUIPMENT DATA -CONTINUED

PERFORMANCE - CONTINUED

Third (3)	17 mph (27.4 km/h)
Second (2)	9 mph (14.5 km/h)
First (1)	5 mph (8.1 km/h)
Reverse 1 (R1)	4 mph (6.4 km/h)
Reverse 2 (R2)	7 mph (11.3 km/h)
Cruising Range	325 miles (523 km)
Fuel Mileage	1.3 mpg (2.1 km)
Grade Ascending/Descending Ability (maximum)	60% (533 mil)
Angle of Approach	30° (533 mil)
Angle of Departure	43° (764 mil)
Side Slope	30% (267 mil)
Fording Depth	42 in. (1.07 m)
Trench (maximum)	75 in. (1.91 m)
Vertical Wall (maximum)	42 in. (1.07 m)
Towed Load (maximum)	50,000 lb (22,680 kg)
Traverse (maximum to right & left)	30° (533 mil)
Elevation (maximum)	65° (1156 mil)
Elevation (minimum)	+ 2° (35 mil) (horizontal)

CAPACITIES

Fuel Cell	260 gal. (984 l)
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CAUTION

Use the following grades of fuel at the indicated temperatures:

Winter Grade (DF-1)	-25° to + 20°F (-32° to -7°C)
Arctic Grade (DF-A) (NATO F-56)	-65° to - 25°F (-54° to -32°C)

Fuel Type (DF-2) +20° to +115°F (-7° to +64°C)	Diesel, 40 cetane
Engine Oil,	
Dry	38 qt (36.0 l)
Refill	28 qt (26.5 l)
Transmission Oil,	
Dry	19 gal. (72 l)
Refill	12 gal. (45 l)
Auxiliary Drive Oil,	
Dry	4.50 qt (4.3 l)
Refill	4 qt (3.8 l)
Hydraulic Oil Reservoir,	
Dry	27 gal. (102 l)
Refill	27 gal. (102 l)
Engine Coolant	24 gal. (90.8 l)