



TRUCK, CARGO: 5-Ton, 8x8, XM656

WEIGHT (Less Kits)

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|----------------------|------------|
| Curb | 15,600 lb. |
| Gross | 25,000 lb. |
| Towed load allowance | 13,000 lb. |

DIMENSIONS

| | |
|----------------------------------|--------------------|
| Length | 276 in. |
| Width | 96 in. |
| Height-w/cargo bows | 131 in. |
| w/o cargo bows | 119 in. |
| w/cab reduced | 81 in. |
| Wheelbase(Front and rear bogie) | 58 in. |
| Wheelbase(between bogie centers) | 148 in. |
| Tread(Front and rear) | 77.25 in. |
| Angle of Approach | 55° |
| Angle of departure | 61.5° |
| Ground Clearance | 12 in. |
| Cargo Body - floor height | 56 in. |
| Inside floor size | 179.9 in. x 88 in. |
| Height of sides | 25 in. |
| Drop side opening width | 146 in. |
| Pintle height | 37 in. |

POWER PLANT

Engine - Liquid cooled, multifuel, compression ignition (LUS-465-2), 6 cyl. inline, 4-cycle, 478 cu. in. displ., 210 gross BHP @2800 rpm, 450 lb-ft gross torque @2000 rpm, 22:1 compression ratio.

Electrical System - Mil. std. 24 volt, 60 amp dc (alternator source), two 6TN batteries.

POWER TRAIN

Transmission - Six speed automatic (TX-200-6) w/driver control. Ratios: 5.296, 3.810, 2.691, 1.936, 1.390, 1.000, reverse 6.042; torque converter and lockup in each speed. Max. torque converter multiplication ratio - 2.89:1.

Transfer Assembly - Single speed, 1.036 ratio, with control for neutral and option of rear bogie or all wheel drive.

Axles - Full floating, single speed, with straight helical and hypoid reduction gears. Overall reduction ratio - 6.40. Constant velocity steering drive ends on front two axles.

RUNNING GEAR

Suspension System - Bogie type with parallelogram torque rods and tapered three leaf springs.

Service Brakes - Direct air actuated with 3 x 12 inch drum and internal expanding self-adjusting shoes. Sealed drums are located outboard of wheels.

Parking Brake - Mechanical 12 x 3 drum and internal expanding shoes. Located on rear of transfer assembly.

Steering System - Ackerman type with hydraulic power assist. Front four wheels steer. Steering gear ratio - 20.4:1.

Wheels - Demountable flange, 12 x 20 in. rim.

Tires - 16-20, 10 ply, wide base, tubeless, non-directional cross-country tread, 50 psi inflation pressure (highway and off road).

Frame - Two steel channel type side rails with five cross members.

BODY AND CAB

Constructed of aluminum with watertight crew compartment and cargo body, and foam plastic to provide means of flotation.

OPERATIONAL AND PERFORMANCE CHARACTERISTICS

| | |
|-------------------------------------|----------|
| Min. turning diameter(wall to wall) | 82.6 ft. |
| Max speed | 50 mph |
| Fording depth | Floats |
| Gradeability | 60% |
| Side Slope Capability | 40% |
| Fuel Capacity | 78 gal |
| Max. Vertical step climbing ability | 27 in |
| Personnel space-Cab(crew) | two |
| Cargo body troop seats | 16 |

Data compiled 12 Oct 64