



Maintenance and Cargo Hauler **MACH-2/MACH-2XL**

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Maintenance and Cargo Hauler (MACH) MACH-2/MACH-2XL

Features:

Engine Specifications

Make..... 3TNV70
Type..... Diesel
Displacement..... 854 cc
Cylinders..... 3
Oil Filter..... Spin On Filter
Air Cleaner..... Dual Element, Replaceable
Cooling..... Liquid

Drive Train

Type..... Continuously Variable Transmission (CVT) with Clutch Enclosure
Gear Ranges..... Forward HI and LO-Neutral-Reverse
Travel Speeds:
Forward HI..... 53 km/h (32 mph)
Forward LO..... 11.3 km/h (7 mph)
Reverse..... 16.1 km/h (10 mph)
Torque at Wheels..... 3,200 ft-lbs (Total)
800 ft-lbs/wheel

Electrical System

Type..... 12 Volt
Battery Size..... 480 Cold Cranking Amps @ -18° C (0° F)
Alternator..... 55 Amp

Fuel System

Fuel Filter..... Replaceable Element
Fuel..... Diesel

Fluid Capacities

Fuel Tank..... 26.5 L (7.0 gal)
Crankcase (with filter)..... 1.7 L (1.8 qt)
4WD Front Differentia..... 0.59 L (19.6 oz)
Transaxle..... 3.8 L (4.0 qt)
Cooling System (including recovery tank)..... 5.0 L (5.2 qt)
Brake..... 237 ML (8 oz)

Steering and Brakes

Steering..... Rack and Pinion with Electric Assist
Brakes..... Hydraulic Disc

(Tested to meet or exceed MIL-STD209K. Configured with MIL-STD209K cargo tie downs and lift/tie down provisions.)

Tires NOTE: Tire load conditions are not to exceed Gross Vehicle Weight Rating (GVWR).

Front and Rear Tires..... ITP Ultracross 27x9-14
Load Capacity..... 544 kg (1,200 lb)
Inflation Pressure..... 138 kPa (20 psi)

Dimensions

Width (overall)..... 1,524 mm (60 in)
Length (with bumper)..... **MACH-2:** 3,048 mm (120 in)
MACH-2XL: 3,937 mm (155 in)
Height (with ROPS assembled)..... 1,911 mm (75.0 in)
Height (with ROPS collapsed)..... 1,524 mm (60.0 in)
Ground Clearance..... 279 mm (11.0 in)
Approach Angle..... 50°

Hitch

Front..... Standard 2 in Receiver
Rear..... Standard 2 in Receiver

Cargo Bed

Material..... Aluminum
Width (overall)..... 1,422 mm (56 in)
Length (with lift/tie down provisions)..... **MACH-2:** 1,194 mm (47 in)
MACH-2XL: 2,083 mm (82 in)
Height..... 102 mm (4.0 in)
Weight (Bed, cargo tie downs, lift/tie down provision)..... 75 kg (165 lbs)

Weights and Capacities

Weight (Empty vehicle with full fluids)..... 1,012 kg (2232 lb)
Gross Vehicle Weight Rating (GVWR)..... 1,542 kg (3400 lb)
Wheel Loads..... **LF: 272 kg (600 lb) RF: 295 kg (650 lb)**
LR: 484 kg (1,068 lb) RR: 491 kg (1,082 lb)
Payload Capacity..... 530 kg (1,168 lb)
Cargo Bed Capacity (Not to exceed GVWR)..... 348 kg (768 lb)
Towing Capacity (Not to exceed GVWR)..... 907 kg (2,000 lb)

Recommended Lubricants

Engine Oil..... Amsoil SAE 5W-30 Synthetic Motor Oil
Grease..... Multi-PurposeHD Lithium Complex Grease
Transmission Oil (Transaxle)..... Amsoil SAE 5W-30 Synthetic Tractor Hydraulic Transmission Oil
Transmission Oil (4WD Front Differential)..... Amsoil SAE 5W-30 Synthetic Tractor Hydraulic Transmission Oil

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