



INTERNATIONAL
AUTOMATED
SYSTEMS



Maintenance and Cargo Hauler (MACH-1XL)



MACH-1XL

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 56 km/h (35 mph)
Forward LO 27 km/h (17 mph)
Reverse 32 km/h (20 mph)

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 Differential 0.58 L (19.6 oz)
Transaxle 4 L (4.2 qt)
Cooling System (including recovery tank) 5.5 L (5.8 qt)
Brake 255 ML (12 oz)

Steering and Brakes

Steering Rack and Pinion with Power Steering
Brakes Hydraulic Disc

Tires

NOTE: Tire load conditions are not to exceed Gross Vehicle Weight Rating (GVWR). Other tire/wheel options available.
Front and Rear Tires General Grabber AT2 27x8.50 R14LT
Load Capacity 689 kg (1520 lb)
Max Inflation Pressure 344 kPa (50 psi)

**The MACH-1XL available in Gas.....4-cycle Electronic Fuel Injection (EFI)
(MACH-1XL G)*

Maintenance and Cargo Hauler (MACH) MACH-1XL

Dimensions

Width (overall) 1.6 m (62 in)
Length (with bumper) 3.9 m (155 in)
Height 1.9 m (75.0 in)
Ground Clearance 28 cm (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) 2,083 mm (82 in)
Height 102 mm (4.0 in)
Weight (Bed, cargo tie downs, lift/tie down provision) 106 kg (234 lbs)

Weights and Capacities

Weight (Empty vehicle with full fluids) 936 kg (2063 lb)
Gross Vehicle Weight Rating (GVWR) 1,542 kg (3400 lb)
Wheel Loads
 LF: 272 kg (600 lb) RF: 295 kg (651 lb)
 LR: 484 kg (1,068 lb) RR: 490 kg (1081 lb)
Payload Capacity 635 kg (1400 lb)
Cargo Bed Capacity (Not to exceed GVWR) 454 kg (1000 lb)
Towing Capacity (Not to exceed GVWR) 907 kg (2000 lb)

Recommended Lubricants

Engine Oil John Deere PLUS-50™, Torq-Gard Supreme™
Grease Multi-PurposeHD Lithium Complex Grease
Transmission Oil (Transaxle) John Deere HY-GARD™ (JDM J20C)
Transmission Oil (4WD Front Differential) John Deere HY-GARD™

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

CAGE Code: 0B3A9
DUNS: 175362375
GSA Contract: GS-07F-0479N

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