



INTERNATIONAL  
AUTOMATED  
SYSTEMS



**MACH-1XLFP**

Shown with HMA Ultra High Pressure system

## Fire & Rescue Special Application Vehicles



**MACH-1S4EM**



**MACH-1XLEM**

# Fire & Rescue Vehicle Features

Available in Gas or Diesel versions

## Engine Specifications:

Type .....	Gas or Diesel (JP8)
Displacement .....	.812 cc / 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 .....	Gas 44 mph / Diesel 32 mph
Forward LO .....	Gas 27 mph / Diesel 15 mph
Reverse .....	Gas 30 mph / Diesel 17 mph

## Electrical System

Type .....	12 Volt
Battery Size .....	480 Cold Cranking Amps @ -18° C (0° F)
Alternator .....	85 amp / 55 Amp

## Fuel System

Fuel Filter .....	Replaceable Element
Fuel .....	Gas or Diesel (JP8)

## Fluid Capacities

Fuel Tank .....	7.3 gal
Crankcase (with filter) .....	2.3 qt / 1.8 qt
4WD Front Differential .....	19.6 oz
Transaxle .....	4.0 qt
Cooling System (including recovery tank) .....	5.2 qt
Brake .....	8.0 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 ATX, Maxxis Big Horn, Ultra-Cross R-Spec
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## Dimensions

Width (overall) .....	62 in
Length (with bumper) .....	Standard 118 in / XL 154 in
Height .....	75.0 in
Ground Clearance .....	11.0 in

## Hitch

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

## Cargo Bed

Material .....	Aluminum
Width (overall) .....	56 in
Length .....	Standard 46 in / XL 82 in
Height .....	4.0 in
Weight (Bed, cargo tie downs, lift/tie down provision) .....	234 lbs

## Weights and Capacities

Weight (Empty vehicle with full fluids) .....	2063 lb
Gross Vehicle Weight Rating (GVWR) .....	3400 lb
Payload Capacity .....	1400 lb
Cargo Bed Capacity (Not to exceed GVWR) .....	1000 lb
Towing Capacity (Not to exceed GVWR) .....	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™

## Options:

**All vehicles are available in a gas or diesel version**  
Heat and Air Conditioning available on all Cab models  
KIMTEK Medlite & Firelite Skids  
Colors: White, Black, Red & Blue

Contact IAS with any specific requirements.....

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