



INTERNATIONAL
AUTOMATED
SYSTEMS



MACH-1S4LE

Law Enforcement & Security Special Application Vehicles



MACH-1XLLE



MACH-1SEC

Law Enforcement & Security Vehicle Features

Available in Gas or Diesel versions

Engine Specifications:

Type	Gas or Diesel (JP8)
Displacement812 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
Colors: White, Black, Red & Blue

Contact IAS with any specific requirements.....

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