

# M1030M1 JP8/DIESEL MILITARY MOTORCYCLE

## ENGINE:

**Type:** 4-Stroke, IDI, **DIESEL**, single cylinder, liquid cooled.

**Displacement:** 584 cm<sup>3</sup>

**Power:** 24 PS [18 kw] @ 4800 rev/min

**Torque:** 33lbft [45 Nm] @ 2500 rev/min

**Lubrication:** Wet sump, compatible with MIL-L-2104, MIL-L-46152 & MIL-L-46167 lubricants.

**Air Filtration:** High capacity, 3-stage, oiled foam, reusable

**Transmission:** 5-speed, constant mesh, return shift.

**Final Drive:** Self lubricated, sealed, O-ring roller chain.

## CONTROLS & INSTRUMENTATION:

**Handlebar & Controls:** Heavy duty with integral hand and control guard.

**Throttle:** Dual cable with auto & manual return, water & dust resistant.

**Cables:** Nylon lined, water & dust resistant.

**Speedometer:** Calibrated in MPH & KPH with resettable odometer, illuminated.

**Instruments:** Engine coolant temperature gauge, neutral, high beam, and turn signal indicators.

## ELECTRICAL:

**Battery:** 12 volt, 545 CCA "Dry Cell" unspillable, maintenance Free

**Alternator:** 14 amp, 14 volt, AC, Single Phase

**Standard Lighting:** DoT/CE approved lighting system.

**Blackout Lighting:** Driving, Marker & Tail/Stop lights meeting MIL-STD-1179. IR driving light optional.

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## CHASSIS:

**Frame:** Welded steel main frame loop with removable rear section.

**Front Suspension:** Telescopic forks, hydraulically damped & sealed with non-reflective boots.

**Rear Suspension:** Swing arm with single shock Uni-Trak<sup>®</sup> multi-link system, sealed needle bearings at all pivot points.

**Engine Guards:** Skid plate with tubular engine & radiator guard.

**Foot Rests:** All metal, safety folding, spring return.

**Fuel Tank:** 3.8 US gal [3 Imp gal] capacity. Molded plastic, translucent – indicating fuel level.

**Wheels:** Heavy duty, wire spoked with high tensile alloy rims.

**Tires:** MT 21 Pirelli, Dual-Purpose (on/off-road) tires, DoT approved.

**Brakes:** Front, hydraulic disc.  
Rear, hydraulic disc.

**Plastics:** Headlamp cowl      Air filter box  
Fenders                      Seat base  
Side panels                  Chain guards

**Tools:** Full operator tool kit.

**Equipment Rack:** Heavy duty rear equipment rack, 50 lb [22.5 kg] capacity standard.

**Equipment Case:** Rear mounted, hard side equipment cases (panniers) & personal weapon scabbard optional.



**Dry Weight:** 369 lb [167 kg]

**Overall Width:** 35.75 inches [908 mm]

**Overall Length:** 85 inches [2160 mm]

**Wheel Base:** 57 inches [1448 mm]

**Ground Clearance:** 10.7 inches [272 mm]

**FUEL:** **DIESEL/AVIATION KEROSENE (JP8/AVTUR)**

## PERFORMANCE:

**Acceleration:** 0-30 mile/hr [48 km/hr]: 3.6 sec  
0-60 mile/hr [97 km/hr]: 10.4 sec

**Gradeability:** 60% (31°)

**Turning Radius:** Less than 7 ft [2.1 m]

**Maximum Speed:** In excess of 80 mile/hr [130 km/hr]

**Minimum Constant Speed:** Less than 3 mile/hr [4.8 km/hr]

**Fording Depth:** 24 inches [610 mm]

**Fuel Consumption:** 110 mile/US gal [140 mile/Imp gal, 50 km/l] @ 55 mile/hr [88km/hr]

**Range:** 400 miles [650 km] @ 55 mile/hr [88km/hr]

**TRAINING:** Complete DoD approved operator and maintenance training programs available.

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## WEIGHTS & MEASUREMENTS: