

# M1030M1 JP8/DIESEL MILITARY MOTORCYCLE

## ENGINE

**Type:** 4-Stroke, IDI, single cylinder, liquid cooled.  
**Displacement:** 611cc  
**Power:** 30 PS @ 5700 RPM  
**Torque:** 33 ft-lbs @ 4200 RPM  
**Lubrication:** Wet sump, compatible with MIL-L-2104 lubricant.  
**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.

## ELECTRICAL

**Battery:** 12 volt, 625 CCA "Dry Cell" Maintenance Free  
**Alternator:** 14 amp, 14 volt, AC, Three Phase  
**Standard Lighting:** DOT approved lighting system.  
**Blackout Lighting:** Driving, Marker & Tail/Stop lights meeting MIL-STD-1179. IR Driving Light Optional

## 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:** Illuminated speedometer, calibrated in mile/hr & km/hr, with resettable odometer. Tachometer and Engine coolant temperature gauge. Glow plug, neutral, high beam, and turn signal warning lights

## CHASSIS

**Frame:** Welded steel mainframe with removable rear section.  
**Front Suspension:** Telescopic forks, hydraulic damped & sealed with non-reflective boots.  
**Rear Suspension:** Swing arm with single shock "Uni-Trak" multi-link system, sealed needle bearings at all pivot points.  
**Engine Guards:** Skid plate with tubular engine & radiator guard.  
**Foot Pegs:** Safety folding, spring return.  
**Fuel Tank:** Rotationally molded plastic, 4.2 gallon capacity.  
**Wheels:** Heavy duty, spoked with high tensile alloy rims.  
**Tires:** Dunlop D606, Dual-Purpose (on/off-road) tires, DOT approved.  
**Brakes:** Front, hydraulic disc. Rear, hydraulic disc.  
**Plastics:** Headlight cover Air filter box  
 Fenders Seat base  
 Side panels Chain guard  
**Tools:** Full operator tool kit.  
**Equipment Rack:** Heavy Duty, rear equipment rack with 50 lb capacity standard.  
**Equipment Case:** Side mounted, hard side equipment cases optional.

## WEIGHTS & MEASUREMENTS:

**Dry Weight:** 369 lbs  
**Max Width:** 35.75 inches  
**Max Length:** 85 inches  
**Wheel Base:** 57 inches  
**Ground Clearance:** 10.7 inches

**FUEL:** Diesel/Aviation Kerosene (JP8)  
 Biodiesel

## PERFORMANCE:

**Acceleration:** 0-30 mph (53 kph), 3.3 sec  
 0-60 mph (106 kph), 9.7 sec  
**Gradeability:** 60% (32°)  
**Turning Radius:** Less than 7 feet  
**Maximum Speed:** In excess of 90 mph.  
**Minimum Constant Speed:** Less than 3 mph.  
**Forcing Depth:** 24 inches  
**Fuel Mileage:** 96 mpg @ 55 mph (Tested)  
**Range:** 408 miles @ 55 mph

**HDT USA**

**Attn: Fred Hayes**  
**10844 "E" Ave, Suite A1**  
**Hesperia, CA 92345 USA**  
**(760) 947-3140 FAX (760) 947-3142**

[www.dieselmotorcycles.com](http://www.dieselmotorcycles.com)  
[info@dieselmotorcycles.com](mailto:info@dieselmotorcycles.com)

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