

M1030M1E AVTUR/DIESEL MILITARY MOTORCYCLE

ENGINE:

Type: Four stroke, I/DI **DIESEL**, single cylinder, four valve DOHC, liquid cooled.

Displacement: 611 cm³

Power: 28 PS [21 kw] @ 5500 rev/min.

Torque: 32lbft [44 Nm] @ 3000 rev/min.

Lubrication: Wet sump, compatible with MIL-L-2104 lubricants.

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

Transmission: Gear primary drive. Wet multi-plate clutch. Five speed, constant mesh gearbox, 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.

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

ELECTRICAL EQUIPMENT:

Battery: 12 volt, 545 CCA 'dry cell' unspillable, maintenance free.

Generator: 12 volt, 14 amp single phase alternator.

Standard Lighting: DoT/CE approved lighting system, with flashing turn signals.

Blackout Lighting: Driving, marker & tail/stop lights meeting MIL STD-1179. IR driving light optional.

CHASSIS:

Frame: Welded steel main frame loop, with removable rear section. Side stand. Centre stand optional.

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

Rear Suspension: Swinging 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 Rests: All metal, safety folding, spring return.

Fuel Tank: 4.2 US gal [3.4 Imp gal; 15.9l] capacity. Molded plastic, translucent – indicating fuel level.

Wheels: Heavy duty, wire-spoked, with high tensile aluminium alloy rims, 21" front, 17" rear.

Tyres: Dunlop D606 dual-purpose on/off-road, DoT/CE approved.

Brakes: Hydraulic disc, front and rear.

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

Tools: Full operator tool kit.

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

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

WEIGHT & DIMENSIONS:

Dry Weight: 380 lb [172 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; JP5/AVCAT)

PERFORMANCE:

Acceleration: 0-30 mile/hr [48 km/hr]: 3.6 sec
0-60 mile/hr [97 km/hr]: 10.4 sec
In excess of 80 mile/hr [130 km/hr]
Less than 3 mile/hr [4.8 km/hr]

Maximum Speed:

Minimum Constant Speed:

Gradeability: 60% (31°)

Fording Depth: 24 inches [610 mm]

Turning Circle: Less than 14 ft [4.3 m]

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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