

ERAF

شركة إيراف الصناعية المحدودة
ERAF Industrial Company Ltd.



MILITARY HUMVEE VEHICLE

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SPECIFICATIONS

MILITARY HUMVEE VEHICLE

GENERAL

◆ Designations	High-Mobility Multi-Purpose Vehicle (HMMUV)
◆ Manufacturer	AM General, O'Gara-Hess & Eisenhardt
◆ Configuration	4X4
◆ Combat Weight	Depended of the model (D/M): 2676-5489 Kg
◆ Unloaded Weight	(D/M) : 2359-4445 Kg
◆ Wheel Base	(D/M) : 3300 mm
◆ Length	(D/M): 5000 mm
◆ Width	(D/M): 2300 mm
◆ Height	: (D/M) 1900 mm
◆ Ground clearance	(D/M): 300-400 mm
◆ Power output	190 Hp
◆ Max. road speed	125 km/h
◆ Maximum range	443 km
◆ Turning Radius	7.6m
◆ Gradient	60 %
◆ Side slope	40%
◆ Crew	1-3
◆ Transportability	Highway, Rail, Marine, and Air
◆ Steering	Power assisted with a variable ratio of 13/16:1
◆ Suspension	Independent double A-frame, coil springs and hydraulic shock-absorbers

Transmission

◆ Numbers of Wheels	4
◆ Number of drive wheels	4
◆ Differentials Front and Rear - Hypoid Ratios 3.08:1	D/M
◆ Gear Ratio: 1st-2.48:1 2nd-1.48:1 3rd-1.0:1 4th-0.75:1 Reverse-2.08:1	D/M
◆ Transmission: 4-speed automatic, maximum input torque rating of 451 lb.-ft (612 Nm), electronically controlled	D/M

HULL

◆ The vehicle is proof against 7.62mm armor piercing rounds and capable of withstanding a 155mm airburst overhead (from 100m) as well as 5.5kg	HMMUV M114
◆ The company undertakes to perform overhaul services following the UNE NM or STANAG's declared mandatory in the scope of the Armed Forces and Military Manuals and Instructions in effect at the armed forces and any other legal provision of required compliance for the subject of this overhaul. Protection at Level A9/B6*, against high power rifles including 7.62x39, 5.56x45, 7.62x51, M193, & M80 ball	Optional/ Upgrade
◆ Frame Steel box section with 5 cross members	D/M
◆ The HMMUV consists of a common chassis upon which various configurations can be installed.	

STANDARD EQUIPMENT

◆ Fuel tanks.	94 liters
◆ Manual fire extinguisher.	2
◆ Front Winch	4086 kg.

OPTIONAL EQUIPMENT

◆ Cameras on display system: front, rear and sides.	Optional/ Upgrade
◆ Night-vision equipment for the driver and commander	
◆ Other equipment as required by the user	Optional/ Upgrade
◆ Others equipment depended of the model (D/M)	

BRAKES

◆ Hydraulically actuated, four wheel inboard mounted power disc with dual reservoir master cylinder	D/M
◆ Parking Brakes Dual Disc, Independent, Hand- Operated Lever	D/M

ENGINE

◆ Engine	V8 6.5 liter turbocharged diesel
◆ Power/Weight Ratio	34.6hp/t
◆ Bore and Stroke	4.06 x 3.82 in. (10.3 x 9.7 cm)
◆ Maximum power D/M	190hp at 3400rpm 2200
◆ Torque	@1,700 RPM:380 lb.-ft (515 N/m)
◆ Compression ratio	21.5:1
◆ Transmission:	4-speed automatic
◆ Max. speed on road	125 Km/h
◆ Torque converter ratio	2.1:1
◆ Compression Ratio	21.5:1
◆ Governor Type	Integral built-in injection pump
◆ Displacement.	400 cu. In
◆ Engine old models	8 Cyl. Diesel 6.2 L (380 cu in)

WHEELS AXLES AND TYRES

◆ Numbers of Wheels	4
◆ Tires	37x125 R 16.6 LT with low-profile run-flat inserts
◆ Run Flat Capability	30 miles@3 mph (48 km @ 48kp/h)
◆ Axles	Hypoid, ratio of 2.73:1. Continuous torque rating 1600 lb.-ft.(2169 N/m)

COMMUNICATION AND NAVIGATION SYSTEM

◆ Communication systems Very high frequency Panther radio equipment.	Optional
◆ Communication systems high frequency - Radio equipment	Optional
◆ Internal communication System	Optional
◆ Fleet follows up & controls M. command and other system	Optional
◆ Situation assessment and navigation systems.	Optional
◆ G.P.S	

ELECTRICAL SYSTEM

◆ 14/28 volt waterproof: 200 amp alternator	
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AIR CONDITIONING SYSTEM

◆ Automatic Controlled System:	
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WEAPON MOUNT

◆ Various weapons can be installed 12.7mm M2 HB QCB MG or 7.62mm M60 MG or 40mm MK 19 grenade launcher.	
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