



V.E.I.G

Raad 2M - Self Propelled Gun Howitzer

▣ General specifications:

RAAD-2 M 155mm self-propelled gun-howitzer is an armoured tracked vehicle designed and manufactured by Iran. The engine is located in front of the vehicle. The vehicle has 5 crew members including commander, gunner, driver, and two ammunition loaders. The hull and the turret are made of all welded special alloy steel and provide enough space for the crew to operate freely. RAAD-2 M is equipped with automatic laying system, direct fire telescope, high vision device, NBC system, automatic and manual fire extinguishing equipment, radio communication, digital communication, gunner's control panel and display, commander's control panel and display, GPS system, and air conditioning system. The engine is multi-fuel with a high power to weight ratio.



▣ Advantages:

- Stability during firing • Various shooting angles • Automatic Fire Control System
- Air conditioning system • Proper vision of the driver

▣ Technical specifications:

Crew	5	Vertical Obstacle (mm)	800
Combat weight (kg)	36000	Trench(mm)	2400
Length(gun forwards) (mm)	9055	Fording (mm)	1200
Width (mm)	3380	Time Needed in and out of action	Less than 1 min
Height:	----	Ambient Temperature	- 40 to +550C
Up to Turret Roof(mm)	2600	Max. Road Range (km)	450
Up to Machine Gun(mm)	3467	Gun	M185
Turret Height (mm)	840	Calibre(mm)	155
Ground Clearance (mm)	450	Gun length	39 - cal
Height of Fire line to 00(mm)	2240	Max. Range (with charge 8 and Proj,ERFB-HE M107) (m)	18100
Ground Pressure (Average) (kg/cm ²)	0.67	Max. Range (with proj.BB)(m)	24000
Engine	Diesel 5TDF, water cooled	Max. Range (with charge 2)(m)	3000
Max. Engine Power (hp)	700	Max. Rate of fire (rds/m)	4
Power-to-Weight Ratio (hp/ton)	19.4	Min. Rate of fire (rds/m)	2
Transmission	Hydraulic,sun gear , 7 speeds	Barrel life	5000 rounds with charge 8
Suspension	Forward and one reverse	Auxiliary Weapon (mm)	12.7 (machine gun)
Shock absorber	Torsion bar with hydraulic	Elevation	-3 to 75 o
Track	Shock absorber	Traverse	360o
Max. Armour Thickness(mm)	live-padded	Ammunition Capacity (rounds)	30
Max. Speed	Highway (km/h)	Charge (bags)	30
Max. Speed	Cross Country(km/h)	Direct Fire Telescope	yes
Face Slope	23o	Night Vision System	yes
Side Slope	16o	NBC System	yes