



155 MM Self-Propelled Gun



Tactical Specifications

Raad2 155mm (self - propelled gun- howitzer) is an armoured tracked vehicle designed and manufactured by D.I.O. The engine is located in front of the vehicle. There are 5 crews 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 is equipped with automatic laying system, direct fire telescope, night vision device, NBC protection system, automatic and manual fire extinguishing equipment, radio and digital power to weight ratio.



TECHNICAL AND TACTICAL SPECIFICATIONS OF RAAD 2 SELF-PROPELLED HOWITZER CAL.155 MM

No. of crew	5 crews	Trench negotiability	2400 mm
Combat weight	36 ton	Fordability	1200 mm
Length (gun in forward direction)	9055 mm	Time for entering and leaving a site	Less than 1 min
Width	3380 mm	Operating temperatures (ambient tempt.)	-40 to +55 Celsius degree
Height to turret roof	2600 mm	Max. cruising range	450 km
Height to top of MG	3467mm	Gun	M185
Turret height	840 mm	Caliber	155 mm
Ground clearance	450 mm	Length of barrel	39 times caliber
Height of firing line to zero degree	2240 mm	Max. range using BB round	24000 m
Average pressure	0.67 kg/cm ²	Max. range using charge 8 and ERFB-HE(M107) round	18100 m
Engine	V 84-MC	Max. rate of fire	4 rds. /min
Max. engine power	780 hp	Min. rate of fire	2 rds. /min
Power to weight ratio	19.4 hp./ton	Barrel service life	Using charge 8 (5000 rounds)
Gearbox	hydraulic planetary gears, 7 forward gears, 1 reverse gear	Secondary armament	MG 12.7 mm
Suspension	Torsion bar with hydraulic shock absorber	Elevation angle	-3 to 75 deg.
Track	Live with rubber shoe	Azimuth angle	360 deg.
Max. armor thickness	20 mm	No. of ball/round	30 pcs
Max. speed	60 km/h	No. of charge/propellant	30 bags
Max. speed (crosscountry road)	45 km/h	Direct fire sight	Available
Negotiable gradient	23 deg.	Driver night observation system	Available
Side slope	16 deg.	NBC system	Available
Obstacle negotiability	800 mm	-	-