

## ROOIKAT 76 ARMoured FIGHTING VEHICLE



### SPECIFICATIONS

Crew	4
Configuration	8 x 8
Combat weight	28 000 kg
Power-to-weight ratio	20,11 hp/t
Length	8,2 m (Including gun) 7,9 m (Hull)
Width	2,9 m
Height	2,8 m (Overall) 2,5 m (Turret roof)
Ground clearance	0,4 m
Track width	2,415 m
Angle of approach/departure	45° / 60°
Maximum road speed	120 km/h
Cross country speed	60 km/h
Acceleration	0 to 30 km/h in 8 seconds
Fuel capacity	540 litres
Maximum road range	1 000 km
Fording depth	1,5 m
Gradient	70% (forward and reverse)
Side slope	30%
Vertical obstacle	1 m (soil); 0,6 m (concrete)
Trench crossing	2 m (Crawl speed) 1 m (60 km/h)
Engine	V-10 water cooled turbocharged diesel developing 563 hp
Transmission	Automatic; 6 forward and 1 reverse gears
Steering	Power assisted, front four wheels
Turning radius	25 m (curb-to-curb)
Suspension	Internally driven trailing arms, coil springs and shock-absorbers
Tyres	14,00 x R20 radial with run-flat inserts
Brakes	Dual-circuit drums on all eight wheels, retarder on transmission, exhaust brake, crawl brake, park brake
Electrical system	24 V (6 batteries in 2 banks)

Armament	76 mm main rifled gun GT4 7.62 coaxial machine gun
Smoke-laying equipment	8 x 81 mm smoke grenade launchers, exhaust smoke screen generator
Ammunition	48 main (8 ready rounds in turret, 40 rounds in vehicle platform) 3 600 7.62 mm MG 16 smoke grenades

**Gun control equipment:**

• Turret power control	28 V Electrical with manual back-up
• Traverse	360°
• Gun elevation / depression	+20° -10°
• Gun stabiliser	Yes
• Laser range finder	Yes
• Commanders sight magnification	Selectable x 12 x 8 day
• Gunner's sight magnification	x 8 night Optional
• NBC System	Image intensifier in gunner sight
• Night Vision Equipment	

DENEL Land Systems, SA. 2010