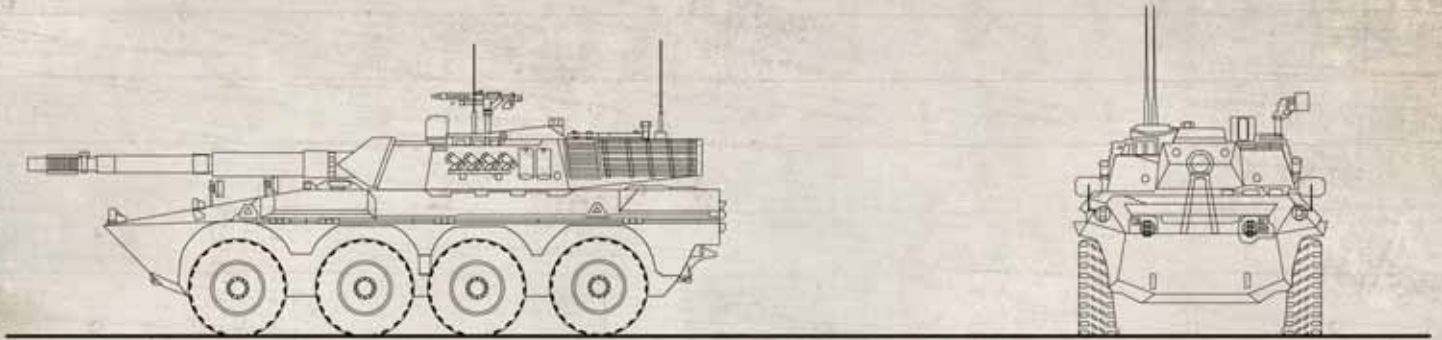


CENTAURO I

105 mm / 120 mm



Dimensions

120mm (105mm)

Length with or without barrel	8.48/7.63 m
Height (hull)	1.75 m
(with turret)	2.83 (2.73) m
Overall Width	
with or without fender	3.05/2.90 m
Ground clearance	0.42 m
Wheelbase	2.50 m
Approach angle	40°
Departure angle	40°
Seats	1 + 3

Weight / Payload / Volume

GVW (Maximum)	27.0 t
Payload	8.0 t
Internal volume	10 m ³

Performance

Max. speed (paved road)	110 km/h
Gradient	> 60%
Side slope	> 30%
Range on road (70 km/h)	650 km
Step	0.5 m
Trench	> 1.2 m
Fording depth	
(without preparation)	> 1.2 m
Turning circle radius	
(curb to curb)	< 9.0 m
Power to weight ratio	
(in combat order)	20 HP/t

Mobility

Engine	IVECO 8262
	6V turbocharged after cooler
Fuel	Diesel fuel/JP8
Power	382 kW (520HP)
Torque	1870 Nm (190 kgm)
Gearbox	Automatic type
Number of gears	5 + 2 r.

Driveline / Suspension

Single-differential twin-shaft design
(H-shaped driveline)
Hydro-pneumatic and independent suspension
Steering on 1st - 2nd and 4th axle
All - disk braking system

Wheels

14.00R20 XZL/XML
Run-flat VFI system
Central Tyre Inflation System (CTIS)

Survivability

Low vehicle profile
High hardness monocoque steel hull
Direct fire ballistic armour (base level)
Anti-personnel mines protection (base level)
Laser warning system (as option in turret)

Options

Hydraulic Winch
NBC protection
(collective with individual backup)
Fire Extinguishing/Anti-explosion system
in Crew cabin
Auxiliary heater
Anti-explosion/self-sealing fuel tanks
Direct fire ballistic armour (advanced level)
AT mines protection (advanced level)

Turret

Crew

3 men (commander, gunner and loader)

Armament

Main armament	120/45 (105/52)
Auxiliary armament	
Coaxial machine gun	1x7.62 mm
ToT machine gun Sapphire	1x7.62 mm
AA pintle mounted (option)	1x12.7 mm
Smoke grenade launchers	8x80 dischargers

Ammunition

All standard NATO kinetic and chemical	
Ammunition stowage	
120 or 105 mm	9 rds (up to 14 rds)
ToT Mg	450 rds
Coaxial Mg	700 rds
Smoke grenade	16 rds

Electrical servo systems

Training arc	unlimited
Elevation arc	-6° / +16°
Training speed/ acceleration (max)	0.5 rad/sec (0.75 rad/sec ²)
Elevation speed/ acceleration (max)	0.5 rad/sec (1 rad/sec ²)