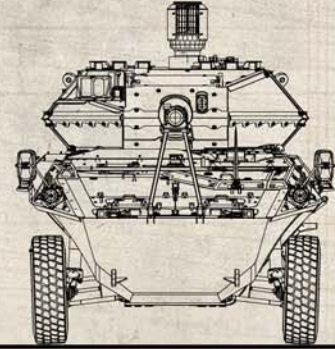
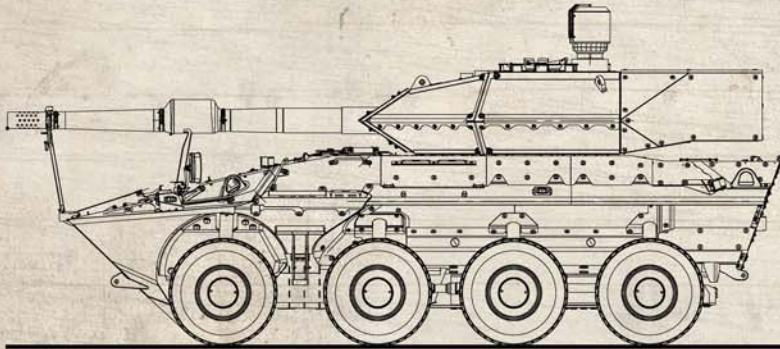


CENTAURO II

MGS 120/105



Dimensions

Length with 120mm barrel	8.26 m
Height (hull)	2.10 m
(with turret)	3.65 m
Overall Width	
with or without mirrors	3.38/3.12 m
Ground clearance	0.40 m
Wheelbase	2.65 m
Approach angle	40°
Departure angle	40°
Seats	1 + 3
Gross weight	30 t

Performance

Max. speed (paved road)	> 105 km/h
Gradient	> 60%
Side slope	> 30%
Range on road (70 km/h)	> 800 km
Step	> 0.6 m
Trench	> 2 m
Fording depth	
(without preparation)	> 1.5 m
Turning circle radius	
(curb to curb)	< 9.0 m
Power to weight ratio	
(in combat order)	24 CV/t

Mobility

Engine	IVECO VECTOR 8V - EURO III
Fuel	Diesel fuel/JP8
Power	533 kW (720HP)
Torque	2500 Nm (255 kgfm)
Gearbox	Automatic
Number of gears	7 + 1 r.

Driveline / Suspensions

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 (modular)
Anti - tank mines protection (modular)
Laser warning system
Fire Extinguishing/Anti-Explosion system
in crew cabin/engine compartment/
ammunitions storage boxes (hull and turret)
NBC protection
(collective with individual backup)
Auxiliary heater
Anti-explosion tanks

Options

Direct fire ballistic armour - advanced level
AT mines protection - advanced level

Turret

Crew

3 men (commander, gunner and loader)

Armament

Main armament 1x120mm/45 LRF
(option 105mm/52 LRF)
Auxiliary armament
Coaxial machine gun 1x7.62 mm
RWS HITROLE Mod.L
External MG 1x7.62mm/1x12.7 mm
(alternative to RWS)
Smoke grenades launchers 8x80 dischargers

Ammunition

All standard NATO kinetic and chemical
Ammunition stowage:
120 or 105 mm 12 rds ready to fire
(n°6 Automatic loading system, N°6 manual rack)
Coaxial machine gun 750 rds
RWS /External MG (option) 1000 rds (7.62mm)
400 rds (12.7mm)
96 rds (40mm)
Smoke grenade 16 rds
Ammunition compartment anti blast
Loading system Automatic (Manual back up)

Sight systems

Electro optical digital video output
Commander sight:
Training arc unlimited
Elevation arc -20° / +60°
Day continuous zoom 10X
IR III Gen. 2 FOV
Gunner sight:
Training arc -9°/+9°
Elevation arc -7° / +16°
Day/IR III Gen. 2 FOV
Backup mechanically linked direct view

Electrical servo systems

Training arc unlimited
Elevation arc -7° / +16°
Max Training speed 0.4 rad/sec
Max Training Acceleration 0.7 rad/sec²
Max Elevation speed 0.5 rad/sec
Max Elevation Acceleration 0.8 rad/sec²

Communication

Radio System HF+VHF+UHF+UHF LB+SAT
Intercom Digital
BMS Integrated
Anti RC-IED Integrated