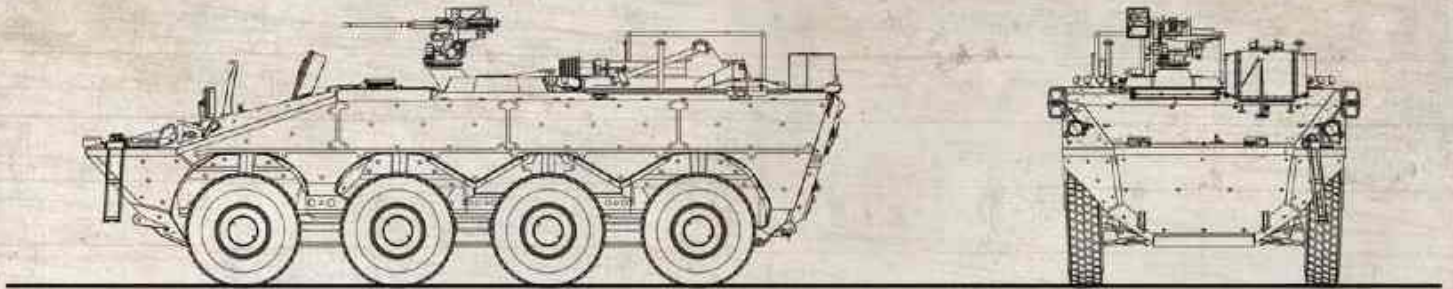


# CENTAURO ACP



## Dimensions

Length	7.99 m
Height (with turret)	2.90 m
Overall Width	2.99 m
Ground clearance	0.41 m
Wheelbase	2.50 m
Approach angle	40°
Departure angle	40°
Seats	1 + 2 + up to 6

## Weight / Volume / Payload

Empty weight	21.5 t
Payload	8.5 t
GVW (Maximum)	30.0 t
Internal volume	13.5 m <sup>3</sup>

## Performance

Max. speed (paved road)	110 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 HP/t

## Mobility

Engine	IVECO 8262 6V turbocharged after cooler
Fuel	Diesel fuel / JP8
Power	405 kW (550HP)
Torque	2000 Nm (202 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 1<sup>st</sup> - 2<sup>nd</sup> and 4<sup>th</sup> axle  
All - disk "Full - Power" 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)  
AT mines protection (base level)  
Anti-mine seats  
Laser warning system  
Smoke Grenade 8x80 mm launchers

## Mission Equipment

HF/VHF/UHF radios  
Intercom (local/remote)  
Microwave link with telescopic mast  
Situation awareness/BMS workstations  
Autonomous Power Unit

## Options

NBC protection (collective with individual backup)  
Fire Extinguishing/Anti-explosion system in Crew cabin  
Auxiliary heaters  
Anti-explosion/self-sealing fuel tanks  
Direct fire ballistic armour (advanced level)  
AT mines protection (advanced level)  
Specific IED protection suite  
Retractable tent

## Armament

General configuration of Oto Melara HITROLE® turret:  
- Turret with main gun 12,7 mm (or, in alternative, 7,62 mm/AGL 40 mm) and sight system  
- Console  
- Logical Control Unit

The sight system is composed of:

- Day Sensors
- Night Sensors
- Laser Range Finder

## Technical data

Weight	218 Kg
Rate of fire	500 rds/min
Ready to fire ammunition (reloaded from inside)	130 rounds

## Electrical data

Azimuth	continuous nx360°
Elevation (with 12.7mm and 7.62mm)	-10° ++50°
Elevation (with AGL 40mm)	- 10° ++40°
Maximum speed (azimuth)	≥ 50°/sec
Maximum speed (elevation)	≥ 50°/sec
2 axis gun stabilization	≥ 1 rad/sec
Power voltage	24VDC (MIL-STD-1275B)