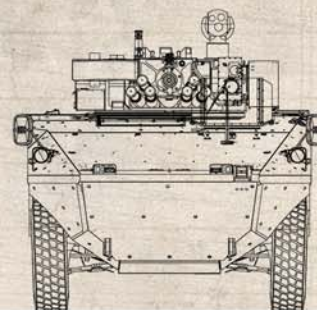
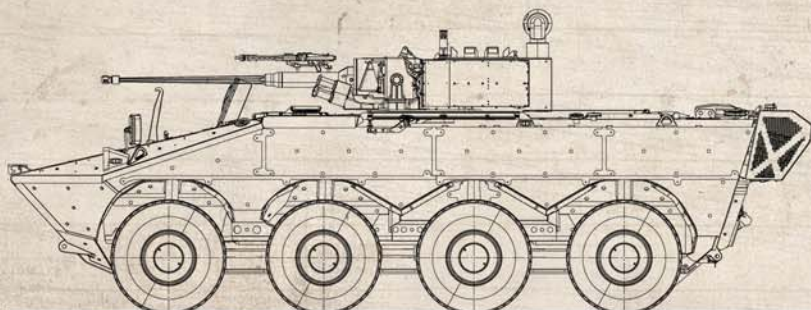


# CENTAURO AIFV/OWS 30

## “Freccia/OWS 30”



### Dimensions

Length	8.06 m
Height (hull)	2.04 m
(with turret)	3.18 m
Overall Width	3.00 m
Ground clearance	0.41 m
Wheelbase	2.50 m
Approach angle	40°
Departure angle	40°
Seats	1 + 10

### Weight / Volume / Payload

Empty weight	22.0 t
Payload	8.5 t
GVW (Maximum)	30.5 t
Internal volume	12.5 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	2.0 m
Fording depth (without preparation)	1.5 m
Turning circle radius (curb to curb)	< 9.0 m
Power to weight ratio (in combat order)	20.0 HP/t

### Mobility

Engine	IVECO 6V turbocharged after cooler
Fuel	Diesel fuel/JP8
Power	405 kW (550HP)
Torque	2100 Nm
Gearbox	Automatic
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  
AT mines protection (different levels)  
Anti-mine seats  
Laser warning system  
NBC protection  
(collective with individual backup)  
Fire Extinguishing/Anti-explosion system  
in Crew cabin/Engine compartment  
Anti-explosion/fuel tanks  
Specific IED protection suite

### Driver sights

n° 3 episcopes in front of the hatch  
Night vision goggles

### Ancillaries

Hydraulic winch  
Auxiliary heaters

### Turret Hitfist OWS 30mm

#### Armament

Main weapon               30mm MK44 ATK  
Secondary weapon       7.62 mm coaxial  
Anti tank weapon       2 missile  
  launchers (twined)

#### Firing direction system

Main weapon: Fully digital gyro stabilized  
Gunner sight:  
  - Gyro stabilized  
  - Gen II IR camera  
  - Daylight Color TV Camera  
  - Laser Range Finder  
- Back up fiber optic sight for manual aiming  
Commander sight:  
  - 6 episcopes LIP (low internal profile)  
  on the roof  
- 1 front episcopes LIP under the turret floor  
  for direct external vision  
  from the crew compartment.  
- Panoramic stabilized day/night (option) or  
  Panoramic Thermal Imager (option)  
Ballistic computation:  
  - Capability to fire on the move  
  - Dynamic tilt and meteo sensors  
Manual backup: Aiming and firing from inside  
Gunner control panel:       Color LCD 12”  
Commander control panel:  
  - Color LCD 12” standard - 10” (option)

#### Protection

Turret frame               Basic environmental  
  protection all around.  
Interface plate up to Stanag 4569 lev. IV  
  with add - on kit (option).

#### Turret accessibility

Through a dedicated hatch:  
Reloading, moving the turret and the gun  
in manual mode. Patented solution

#### Weight

Dry                           1650 kg including console  
  & Level 3 protection  
Combat                   according to configuration  
  and level protection

#### Controls

Traverse arc               N x 360°  
Elevation arc             - 10° +75°  
Traverse speed           0.5 / 1 rad/s  
Elevation speed           0.8 rad/ s