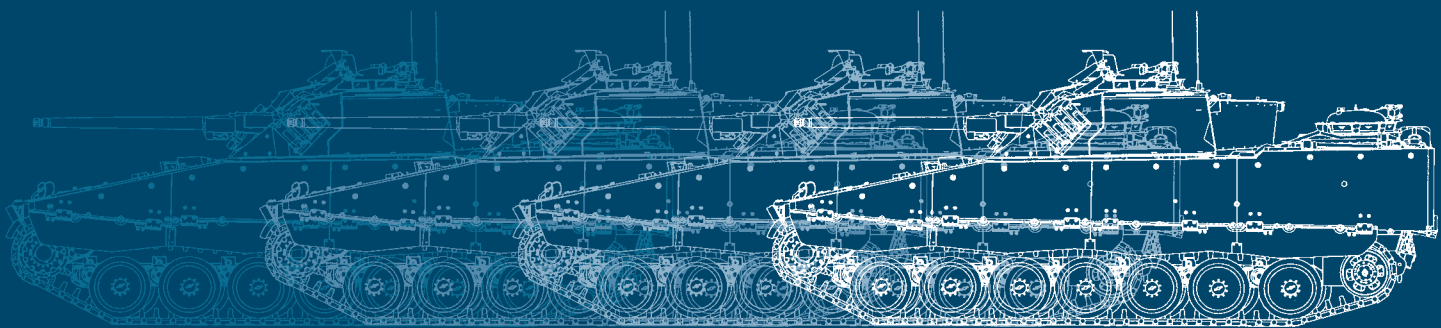


Patria Hägglunds



CV9030 FIN

Infantry Fighting Vehicle



CV9030 FIN - SPECIFICATIONS

General and dimensions

| | |
|------------------------------|-----------|
| Weight, combat loaded | 27500 kg |
| Ground pressure, combat load | 55-60 kPa |
| Personnel | 11 men |
| Length | 6550 mm |
| Width | 3190 mm |
| Height | 2750 mm |
| Ground clearance | 400 mm |

Performance

| | |
|------------------------|-------------|
| Speed forward | >66 km/h |
| Speed reverse | >38 km/h |
| Acceleration 0-30 km/h | Typical 8 s |
| Slope | 60 % |
| Side slope | 40 % |
| Trench crossing | 2400 mm |
| Vertical wall climbing | 1000 mm |
| Fording | 1500 mm |
| Typical cruising range | 600 km |

Armour & Protection

| | |
|---|--------------|
| Hull and turret structure | Armour steel |
| Add-on-Armour | Yes |
| Vehicle night vision adaptation | NVD/NVG |
| Laser protection options | Yes |
| NBC protection | Overpressure |
| Fire extinguishing system | Yes |
| Fire extinguishing system in personell compartments | Yes |

Turret

| | |
|------------------------|--|
| Main armament | 30 mm Bushmaster II/MK44 cannon, dual feed |
| Rate of fire | 200-400 rds/min |
| Calibre and ammunition | 30 mm x 173 mm |
| Am. types | APFSDS-T, MPLD-T, TP-T |
| - ready rounds | 2 x 80 rds |
| - stowed rounds | Typical 240 rds |
| Secondary armament | 7.62 mm PKT |
| Close defence | Smoke dischargers |
| Traverse range | n x 360 deg |
| Elevation range | -10 to +45 deg |

Fire control system

| | |
|--|--|
| Turret drivers | Electrical direct drive |
| Fire Control Computer | Digital processor |
| Stabilisation system | Dual axis stadilised top mirror, slaved gun. Independent line of sight |
| Gunnery sight | Full FCS |
| - day channel | X8,X1 periscopic |
| - night channel | Yes |
| Commanders sight | Full FCS |
| - day channel | X6, X1 |
| - night channel | Remote display |
| Laser Range Finder | 1,57 µm |
| Barrel camera with image intensifier and CCD | |

Engine

| | |
|-------|------------------------|
| Make | Scania DI 16 |
| Type | Diesel, 4 cycle stroke |
| Power | 460 kW/2200 rpm |

Transmission, automatic

| | |
|----------------|----------------------|
| Type and model | X300 |
| Gear ranges | 4 forward, 2 reserve |

Running gear

| | |
|-------------------------|--|
| Suspension type | Torsion bars with rotary dampers |
| Track width | 533 mm |
| Ground contact | 4020 mm |
| Track tensioning system | Semi-active hydraulic, driver operated |

Electrical system

| | |
|------------------|--------------------|
| Voltage (DC) | 24 V |
| Type of system | 2 pole, box to box |
| Batteries | Lead-acid, 500 Ah |
| Multiplex system | CAN bus |

Communications

| | |
|--------------------|--------|
| Radio | 2 sets |
| Intercommunication | Yes |

Vehicle control system

Built in test • Computer Diagnostic System • Computer Based Training • Fleet Management • C3I Integration • Electronic Warfare Integration • Defensive Aid Suite Integration

