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Combat Vehicle 90 Family

CV90 is the most modern armoured vehicle family in the 20-30 tonnes range in series production. The CV90 is in service in the Swedish and Norwegian Armies and has recently also been ordered by the Swiss and Finnish Armies. CV90 is currently under evaluation in other countries including countries in tropical areas. The CV90 family is in full production and will continue to be in production

for several years. The CV90 family consists at present of several variants, which are briefly described herein.

The CV90 concept gives:

- **Tactical and strategic mobility**
- **Anti-armour capability**
- **Air defence capability**
- **High survivability protection**
- **Low maintenance costs**
- **Future development potential**



CV9040

CV9040 is the basic version in the Swedish Army CV90 fleet. It is designed to defeat other armoured vehicles and ground troops while carrying eight soldiers, ready to fight from the vehicle or to be deployed. It carries a Bofors 40 mm automatic gun. The CV9040 is primarily deployed together with the Leopard 2 MBT in the Mechanised Brigades.



CV9030

CV9030 is the basic export version in the family, originally developed to meet the requirements by the Norwegian Army. It has improved suspension and carries add-on armour and a turret with a fully stabilised 30 mm Bushmaster II cannon. The vehicle has been further developed to meet the Swiss and the Finnish Armies requirements and to

carry the Bushmaster MK44 cannon. The vehicle has a modern electronic architecture (CANBUS) including Built-in-Test and is easy adaptable to Battlefield Management Systems and Defensive Aid Suite systems.





CV90105

Anti Tank Vehicle. The GIAT TML turret has a stabilized gun and day and night sights for commander and gunner. It carries a crew of four (commander, gunner, loader and driver).

CV90120 Tank

CV90120-T is a light tank based on the latest CV90 chassis, which carries a Högglunds turret with a new 120 mm fully stabilised high-pressure low recoil tank gun





developed by Swiss Ordnance (SW). CV90120-T is designed by Hägglunds in co-operation with SW and SaabTech Vetronics. CV90120-T is developed to meet today's and tomorrow's requirement for a highly mobile light tank with the possibility to carry the most modern Defensive Aid Suite Systems as well as Battlefield Management System.

performs high fire power including direct fire capability. AMOS has been ordered by the Finnish Army and is currently under evaluation in other Defence Forces.



CV90 AMOS

The Advanced MOrtar System AMOS is a twin-barrel 120 mm smooth-bore mortar system which is jointly developed between Hägglunds Vehicle and the Finnish company Patria Vammas. AMOS is designed to meet the requirements for artillery on battalion level. AMOS can be mounted on various light armoured vehicle platforms and combat boats. The AMOS mortar system





CV9040 AAV

The Anti Aircraft Vehicle version with its specially adapted sensor set and fire control software is used for air defence at battalion level.

CV9040 AAV is primarily assigned for combating helicopters and close air support aircrafts, but it is also well suited for combating other types of aerial and ground targets.

CV90 FOV

The Forward Observer Vehicle is the mechanised units resource for controlling fire support from artillery and mortars. The vehicle carries an automatic system for calculation and transfer of target coordinates including also a thermal sight and laser range finder. The system is based around an inertial navigation system and provides target coordinates in just a few seconds, thus reducing the important reaction times for indirect fire support.



CV90 FCV

The Forward Command Vehicle is adapted to the requirements of brigade and battalion combat control set ups. It carries a crew of three and has six additional work stations for staff members. It forms a mobile combat C³ vehicle designed to accommodate a wide selection of communication and command equipment.

requirements on recovery and support of field maintenance operations. Equipped with a rock blade, a hoisting crane and two separate winches, it is capable of applying a 72-tonnes line pull in any direction.

Other product developments are aimed at adapting the world-class capability of the CV90 baseline vehicle, for different requirements of infantry fighting vehicle or light - medium tank roles.



CV90 ARV

The Armoured Recovery Vehicle is specially adapted to fulfil all

