

# CV9035 MkIII

Armoured Infantry Fighting Vehicle





## Specifications

### General

Weight, combat loaded	32 000 – 35 000 kg
Personnel	10 men
Length	6.8 m
Width	3.2 m
Height	2.8 m
Ground clearance	0.4 m

### Performance

Speed	
forward	70 km/h
reverse	40 km/h
Slope	60%
Side slope	40%
Trench crossing	2.6 m
Vertical wall climbing	1.0 m
Fording	1.5 m
Typical cruising range	600 km

### Survivability

Hull and turret structure	armour steel
Add-on-Armour	yes
Defensive Aid Suite	yes
NBC protection	yes
Air-condition system	yes
Fire extinguishing system	yes

### Communications

Radio	yes
Intercommunication	yes

### Turret

Main armament	35/50 mm Bushmaster III, 35/50 cannon, dual feed
Rate of fire	single, low rate and high rate burst
Calibre and ammunition	35 mm x 228 mm fires all NATO qualified 35 mm ammunition

ready rounds	2 x 35 rds
stowed rounds	typical 140 rds
Traverse range	n x 360deg
Elevation range	-8 to +37 deg
Secondary armament	7.62 mm
elevation	-10 to +50 deg
Close defence	dischargers

### Fire control system

Gun turret drive system	electrical, direct
Fire Control Computer	digital processor
Stabilisation system	dual axis stabilised top mirror, slaved gun independent line of sight
Gunner's sight	full FCS
day channel	X8, X1 periscopic
thermal night channel	yes
laser range finder	yes
Commander's sight	full FCS
hunter killer capability	yes
day channel	X6, X1
thermal night channel	yes
Barrel camera	yes

### Engine

Type	diesel, 4 cycle stroke
Power	up to 600 kW/2350 rpm

### Transmission

Gear ranges	4 forward, 2 reverse, electronically controlled, fully automatic
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### Running gear

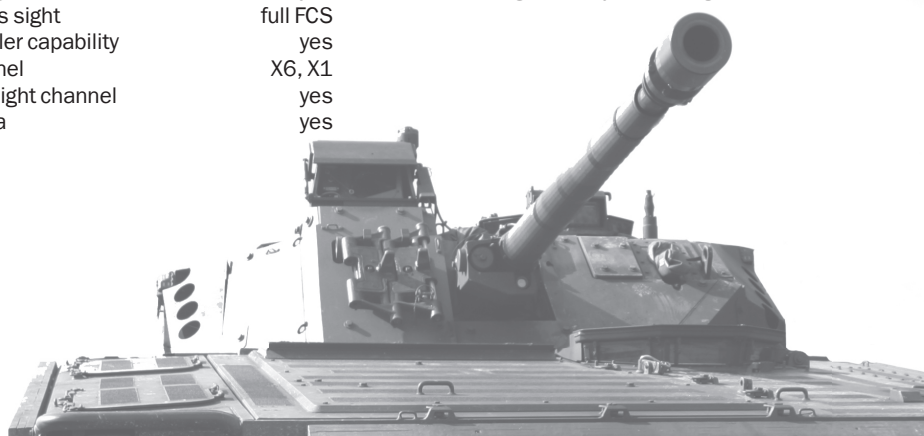
Suspension type	torsion bars with rotary dampers
Track width	0.5 m
Ground contact	4.1 m
Track tensioning system	semi-active hydraulic

### Electrical system

Voltage (DC)	24 V
Batteries	500 Ah
Multiplex system	CAN bus
High Speed Data Bus	Ethernet

### Vehicle control and information system

Built in test	
On-line manuals	
Embedded training	
Video network	
Defensive aid suite integration	
Battlefield management system integration	



**FOR MORE INFORMATION CONTACT:**

BAE Systems Hägglunds AB  
SE-891 82 Örnsköldsvik  
Sweden  
Telephone +46 (0)660 800 00  
Fax +46 (0)660 151 90  
www.baesystems.com/hagglunds

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