Amphibious Combat Vehicle (ACV) 1.1

BAE Systems’ offering for the Amphibious Combat Vehicle (ACV) 1.1 program represents the optimum balance of sea and land mobility, survivability and payload.

 Designed as an amphibious vehicle with open-ocean ship launch and recovery capability, the ACV 1.1 is flexible and highly mobile with capacity for 13 embarked Marines plus a crew of three. Sustainable, networked and well-protected for all operating environments, it complements the capabilities of the Assault Amphibious Vehicle (AAV) and the Joint Light Tactical Vehicle (JLTV).

 Mobility – The ACV 1.1 is a true, no-compromise 8x8 amphibious platform and features the proven IVECO unique H-Drive System to provide full time all-wheel traction both on land and in the surf zone. 16R20 tires are common to Marine Corps’ MTVR fleet.

 Survivability – A blast resistant hull and energy absorbing seats are key elements of the ACV 1.1 survivability solution that delivers superior mine, improvised explosive device (IED), kinetic energy (KE), and overhead protection. An Automatic Fire Suppression System is also included.
Specifications

Gross vehicle weight
67,500 lbs
30,617 kg

Payload
Up to 7,280 lbs/3,302 kg

Personnel capacity
13 + 3 crew

Speed
- Paved road: >65 mph/105 km/h
- Open ocean: 6 knts

Range on road at 55MPH/89KPH:
Up to 325 miles/523 km

Range at sea followed by land:
Up to 12NM followed by 250+ miles on land

Turning radius
36 foot curb to curb turning radius

Side slope
>30%

Gradient
>60%

Overall length
350 inches/8.9 m

Width
124 inches/3.1 m

Height (hull)
113 inches/2.8 m

Capable of operating in conditions up to Sea State 3 and through a nine foot plunging surf.