

Amphibious Combat Vehicle

ACV

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**IDV**

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The Amphibious Combat Vehicle (ACV) represents the optimum balance of sea and land mobility, survivability, and future growth potential. The ACV has open-ocean ship launch/recovery capability and is designed to provide optimal flexibility and mobility. The vehicle is built from the ground up to deliver the operating capabilities needed to safely and efficiently meet expeditionary mission requirements.

**Mobility** – The ACV is a true, no-compromise 8x8 amphibious platform and features a proven H-Drive System to deliver full time all-wheel traction both on land and in the surf zone. Built to be exceptionally mobile, the ACV can maneuver in tight spaces and operate in any terrain or environment.

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

**Future Growth** – The ACV was designed to have significant growth

potential, providing Marines the flexibility to address additional mission roles. The vehicle can integrate future technologies and accommodate a wide array of direct and indirect fire weapon systems. Additional variants including a command (ACV-C), a 30mm medium caliber cannon (ACV-30) and a recovery (ACV-R) are planned. BAE Systems has also received task instructions from the U.S. Marine Corps to complete a study of incorporating Advanced Reconnaissance Vehicle- Command, Control, Communication and Computers/Unmanned Aerial Systems mission payload on an Amphibious Combat Vehicle (ACV) variant.

### Specifications

Gross vehicle weight:	35 tons 32 metric tons
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:	44 foot curb to curb turning radius
Side slope:	>30%
Gradient:	>60%
Overall length:	361 inches/9.2 m
Width:	124 inches/3.1 m
Height (hull):	114 inches/2.9 m
Capable of operating in conditions up to Sea State 3 and through a 9-foot plunging surf.	



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