

Boeing Defense, Space & Security
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AH-64 Apache

Description and Purpose:

The AH-64 Apache is the most advanced multi-role combat helicopter for the U.S. Army and a growing number of international defense forces.



Customers:

In all, 16 nations fly, have ordered or have selected AH-64 Apache helicopters for their defense forces.

The first production AH-64E Apache was delivered to the U.S. Army in October 2011 and as of August 2017 more than 300 E-model aircraft have been delivered to the U.S. Army and allied defense forces customers. Follow-on orders and upgrades will keep the Apache in production well into the next decade and beyond. The U.S. Army ordered more than 600 AH-64D Apache Longbow aircraft through multi-year contracts. Boeing delivered the first U.S. Army Apache Longbow in April 1997, and the final AH-64D in late 2013.

International customers include Egypt, Greece, India, Indonesia, Israel, Japan, Korea, Kuwait, The Netherlands, Qatar, Saudi Arabia, Singapore, the United Arab Emirates, and the United Kingdom. The first international AH-64D Apache was delivered to the Royal Netherlands Air Force in May 1998 and the first international AH-64E Apache was delivered in May 2012.

The AH-64E is an optimized weapons system that is a proven combination of lethality, survivability, sustainability, maintainability, interoperability and performance.

General Characteristics:

Length: 58.17 ft (17.73 m)

Height: 15.24 ft (4.64 m)

Wing Span: 17.15 ft (5.227 m)

Primary Mission Gross Weight 15,075 lb (6838 kg)	Standard Day	Hot Day ISA + 15C
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Hover In-Ground Effect (MRP)	15,895 ft (4845 m)	14,845 ft (4525 m)
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Hover Out-of-Ground Effect (MRP)	12,685 ft (3866 m)	11,215 ft (3418 m)
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	Sea Level Standard Day	Hot Day 2000 ft 70 F (21 C)
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Vertical Rate of Climb (MRP)	2,175 fpm (663 mpm)	2,050 fpm (625 mpm)
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Maximum Rate of Climb (IRP)	2,915 fpm (889 mpm)	2,890 fpm (881 mpm)
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Maximum Level Flight Speed	150 kt (279 kph)	153 kt (284 kph)
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Cruise Speed (MCP)	150 kt (279 kph)	153 kt (284 kph)
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- Two high-performance turbo-shaft engines and maximum cruise speed of 284 kph
- Laser, infrared, and other systems (including target acquisition designation sight/pilot night vision sensor) to locate, track and attack targets
- A combination of laser-guided precision Hellfire missiles, 70mm rockets, and a 30mm automatic cannon with up to 1,200 high-explosive, dual-purpose ammunition rounds

Background:

More than 2,300 Apaches have been delivered to customers around the world since the Apache went into production.

The first fully equipped U.S. Army unit with AH-64D Apache Longbow was fielded in November 1998. The U.S. Army fielded its first international Apache Longbow unit in October 2001.

Between 1984 and 1997, Boeing produced 937 AH-64As for the U.S. Army, Egypt, Greece, Israel, Saudi Arabia and the United Arab Emirates.

Miscellaneous:

The U.S. Army is fielding AH-64E Apaches to battalions based in the United States and training aviators to use the new technologies and capabilities of the helicopter.

The U.S. Army has fielded AH-64E Apache and AH-64D Apache Longbow units around the world.

U.S. Army Apache helicopters (A through E model) have logged more than 4 million flight hours – and more than 1 million of those are combat flight hours.

The Apache performs across the full spectrum of operations as a force multiplier for Combatant Commanders; and supports safe return of troops.

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