

Integrated Defense Systems
P.O. Box 516
St. Louis, MO 63166
www.boeing.com

Boeing AH-64D Apache Longbow

Description & Purpose:

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

Customers:

In all, 11 nations fly, have ordered or have selected AH-64D Apache helicopters for their defense forces.

The U.S. Army has ordered more than 600 Apache Longbow aircraft through multi-year contracts and follow-on purchases. The first U.S. Army Apache Longbow was delivered in April 1997. Follow-on orders and upgrades will keep the Apache in production well into the next decade.



International customers include Egypt, Greece, Israel, Japan, Kuwait, The Netherlands 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. More than 300 new and remanufactured international AH-64Ds have been delivered or are in production.

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

Hover In-Ground Effect (MRP) 15,895 ft (4845 m)

14,845 ft (4525 m)

Hover Out-of-Ground Effect (MRP) 12,685 ft (3866 m)

11,215 ft (3418 m)

Sea Level Standard Day

Hot Day 2000 ft 70 F (21 C)

Vertical Rate of Climb (MRP) 2,175 fpm (663 mpm)

2,050 fpm (625 mpm)

Maximum Rate of Climb (IRP) 2,915 fpm (889 mpm)

2,890 fpm (881 mpm)

Maximum Level Flight Speed	150 kt (279 kph)	153 kt (284 kph)
Cruise Speed (MCP)	150 kt (279 kph)	153 kt (284 kph)

- 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:

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.

More than 1,700 Apaches have been delivered to customers around the world since the Apache went into production.

The U.S. Army Apache fleet has accumulated more than two million flight hours since the first prototype aircraft flew in 1975.

Miscellaneous:

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

U.S. Army Apache Longbow helicopters have logged thousands of combat hours in Operation Iraqi Freedom and Operation Enduring Freedom.

Future enhancements to the Apache will add new technologies that will ensure seamless integration into the U.S. Army's Future Force.

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

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May 2009

Contact: Carole Thompson, Boeing Military Aircraft, Rotorcraft Systems Communications, +1 (480) 891-2119 or +1 (602) 741-4802, carole.j.thompson-sutton@boeing.com