

Boeing Commercial Airplanes
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Boeing Commercial Airplanes

Boeing Commercial Airplanes, a business unit of The Boeing Company, is committed to being the leader in commercial aviation by offering airplanes and services that deliver superior design, efficiency and value to customers around the world. There are more than 12,100* Boeing commercial jetliners in service, flying passengers and freight more efficiently than competing models in the market.

Boeing traces its history to aviation pioneer William Boeing who, in 1916, built the company's first airplane, a seaplane for two with a range of 320 nautical miles (515 km). Since then, Boeing has defined the modern jetliner and introduced the twin-aisle cabin, the glass cockpit and countless other innovations. Today, Boeing Commercial Airplanes offers a family of technologically advanced airplanes, including one that can seat more than 500 and another that boasts the longest range in the world, at more than 9,300 nautical miles (14,966 km). Meanwhile, Boeing Commercial Airplanes and its global network of suppliers are hard at work building the airplanes of tomorrow, two next-generation jets that will set the standard for fuel efficiency, noise reduction and passenger comfort.

Boeing Commercial Airplanes employs about 65,400 people under the leadership of President and CEO James (Jim) F. Albaugh. The business unit's revenue in 2008 was \$28 billion.

With headquarters in Renton, Wash., Boeing Commercial Airplanes has operations in more than a dozen cities and countries. The business unit comprises five airplane programs, VIP-derivative airplanes, extensive fabrication and assembly facilities, and a global customer support organization.

Airplane Programs

The Boeing 737 is the best-selling commercial airliner in history with more than 8,100 orders, 6,100 of which have been delivered. The single-aisle jet, known for being reliable, simple and economical to operate, dominates the market for short- to medium-range routes.

Updated in 1993, the Next-Generation 737 sports a new wing design, improved fuel capacity and improved aerodynamics, leading to greater range and speed. The Next-Generation 737 is offered in four versions with a seating capacity of 110 to 220 passengers.

The Boeing 747, the original “jumbo jet” with its distinctive upper-deck profile, is among the fastest airliners in service. The four-engine airplane, with seating capacity of more than 400, has been crisscrossing continents for four decades.

























Currently, Boeing engineers are developing a new and improved member of the 747 family. The larger 747-8 will offer the lowest operating costs and best fuel-efficiency of any large passenger or freighter airplane. At the same time, the jet will set a new environmental benchmark with a substantially cleaner and quieter footprint than competitors in the large twin-aisle market.

The Boeing 767, a midsize twin-aisle jet, is the most widely used airplane across the Atlantic as operators rely on its proven range, reliability and profitability. The 767 family, with a seating capacity of 181 to 304, often is called upon on regional, domestic and intercontinental routes. The 767 Freighter also is widely used by cargo operators.

The Boeing 777 is the flagship of airlines worldwide with its industry-leading reliability, unmatched twin-engine performance and spacious cabin. The 777 family boasts phenomenal range and allows operators to cover a broad range of intercontinental markets.

The 777 offers ample cabin space and multiple interior configurations, making it the preferred plane for passengers in every class. Three-class seating in the passenger versions ranges from 301 to 368.

The Boeing 787 Dreamliner is the family of new, super-efficient airplanes that brings big-jet comfort and economics to the midsize market. The 787 incorporates advanced composite materials, systems and engines to provide unprecedented performance levels, including a 20 percent improvement in fuel efficiency over existing small twin-aisle airplanes.

Passenger			
		3-Class No. of Seats	Range nmi (km)
747-8		467	8,000 (14,810)
777-300ER		365	7,930 (14,685)
777-200LR		301	9,395 (17,395)
777-200ER		301	7,725 (14,305)
787-9		250-290	8,000-8,500 (14,810-15,740)
787-8		210-250	7,650-8,200 (14,160-15,180)
2-Class			
787-3		290-330	2,500-3,050 (4,630-5,640)
737-900ER		180	3,265 (6,045)
737-800		162	3,115 (5,765)
737-700ER		48*	5,775 (10,695) *All business class
737-700		126	3,440 (6,370)
737-600		110	3,255 (5,970)
Freighter			
		Revenue payload	Range nmi (km)
747-8F		133.9	4,390 (8,130)
747-400ERF		113.1	4,980 (9,230)
747-400F		113.0	4,455 (8,250)
747-400BCF		107.8	4,090 (7,570)
777F		102.8	4,885 (9,045)
MD-11BCF		88.3	3,480 (6,440)
777-200ERBCF*		80.9	3,925 (7,265)
777-200BCF*		65.8	2,495 (4,620)
767-300F		53.6	3,255 (6,025)
767-300BCF		52.6	3,100 (5,740)
757-200SF		30.5	3,100 (5,741)
737-700C		18.4	3,000 (5,555)

*Product Development study.

The 787-8 and larger 787-9 will serve the 200- to 300-seat market on flights as long as 8,500 nautical miles (15,750 km) in three-class seating. A third family member, the 787-3, will accommodate up to 330 passengers in two-class seating and will be optimized for routes of 3,050 nautical miles (5,650 km). The first 787 is expected to enter service in the first quarter of 2010.

The BBJ is a high-performance derivative of the 737 that is designed for corporate and VIP applications. The platform gives the owner the flexibility to tailor an airplane for eight or 100 passengers. Boeing also offers VIP versions of the 747, 767, 777 and 787.

Commercial Aviation Services

With a 24-hour network and facilities around the world, Commercial Aviation Services (CAS) offers the broadest range of support products, services and integrated solutions in the aviation industry. From spare parts to pilot training, customer support to onsite technical advice, CAS helps airplane operators keep their fleet flying safely and efficiently.

Global Corporate Citizenship

Boeing prides itself as a corporate citizen committed to improving the quality of life in communities worldwide. Every year, Boeing Commercial Airplanes, its employees and its retirees contribute millions to charitable and community causes. In the United States, our focus is education; health and human services; arts and culture; and civic and environmental issues.

Major Boeing Commercial Airplanes Facilities

Renton, Wash.—Commercial Airplanes Headquarters; 737 Manufacturing; Boeing Training & Flight Services

Everett, Wash.—747 Manufacturing; 767 Manufacturing; 777 Manufacturing; 787 Manufacturing

Seattle, Wash.—Global Customer Support; Spares and Logistics Support; Maintenance & Engineering Services; Fleet Enhancements & Modifications; Flight Operations Support; Boeing Business Jets program

Auburn, Frederickson and Everett, Wash.; Portland, Ore.; Salt Lake City, Utah; Winnipeg, Canada; Melbourne and Sydney, Australia—Boeing Fabrication; Emergent Operations; complex precision machining; specialty production focused on advanced metal structures; tubes, ducts and reservoirs; integrated aero structures; electrical systems; interiors; composites; spares

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