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Wikimedia Commons has media related to Boeing 737. 737 page on Boeing.com The 737 Story on FlightInternational.com "737-200" (PDF). Boeing. 2007. Retrieved from "Share on Facebook Share on Pinterest Share on WhatsApp The Boeing 737-800 is one of the most popular choices for passenger transport on the market today priced at 82 million dollars. It sports its powerful crew and passenger carrying abilities elegantly as it takes flight. This airliner can hold either 162 first class seats, 175 business class or 189 economy seats in total. In reality, most models will operate in a combination of classes. Table of Contents Specifications Photo Gallery Description Manufacturer: Boeing Country: United States Manufactured: 1998 to: Present ICAO: B738 Price: US\$89.2 million Performance Weights Dimensions Avionics: Rockwell Collins avionics Engine: 2x Sneecma / CFM56-7B27Turbofan Power: 27,300 pound-force Max Cruise Speed: 473 knots876 Km/h Approach Speed (Vref): Travel range: 3,060 Nautical Miles5,667 Kilometers Fuel Economy: 0.44 nautical mile / gallon0.215 kilometres / litre Service Ceiling: 41,000 feet Rate of Climb: Take Off Distance: 2316 metre - 7,598.33 feet Landing Distance: 1372 metre - 4,501.26 feet Max Take Off Weight: 384,039 Kg846,652 lbs Max Landing Weight: Max Payload: 21,319 Kg47,000 lbs Fuel Tank Capacity: 6,875 gallon26,025 litre Baggage Volume: 45.1 m3 / 1,593 ft3 Seats - Economy / General: 189 seats Seats - Business Class: 175 seats Seats - First Class: 162 seats Cabin Height: 2.2 metre - 7.22 feet Cabin Width: 3.54 metre - 11.61 feet Cabin Length: 29.97 metre - 98.33 feet Exterior Length: 39.5 metre - 129.59 feet Tail height: Fuselage Diameter: 3.76 metre - 12.34 feet Wing Span / Rotor Diameter: 34.31 metre - 112.56 feet Wing Tips: No Winglets click / tap to open full screen gallery Blog posts that mention the Boeing 737-800: How Many Flight Attendants Are on a Plane? Boeing set out to increase production output and began development on the Boeing 737-800. The 800 was developed to replace the 727 on short routes. Based on the 737-400 the 800 variant would improve upon seating capacity over its 400 variant. This narrow body jet airliner had first rolled out on June 30, 1997 and shortly after was had its first test flight with the pilot Jim McRoberts in the cockpit. The 800 variant is the stretched version of the 737-700. Since development and production Boeing has built 10,574 737-800s. Production Boeing has run from 1998 to present day. The Boeing 737-800 to date has around 5000 units produced and 2019 saw 138 of the 800 roll of the production line. It is produced in the Renton plant in Washington by Boeing Commercial Airplanes. In the 90s Boeing produced 80% of components in house including the wings, fuselage and tail assemblies. Later on Boeing contracted out such production to other suppliers. Orders and Delivery Boeing's 737-800 isn't called the most popular airliner for no reason. It's sales cant be matched. Boeing supplied 10,574 since initial development as of 2020. Boeig has its 737 in almost every single developed nation. The 737-800 is used in airlines such as Aircal, Delta Air Lines, New York Air and United Airlines just to name a few. Design The design of the 737-800 lends itself to the sleek size and prowess of this aircraft. The design of the 800 comes from studying the pitfalls of the 727. The 800 being based of the 400 is designed for short routes. The initial concept included podded engines and a T-tail as seen on the 727. However engineers designing the 737 opted to lighten the structure with the engines underneath he wings and allow for the fuselage to be widened for six-abreast seating. Cockpit / Flight Deck Boeing uses Rockwell Collins avionics for the 737-800. The cockpit is a dual seat design. There aren't to many differences between each variant. Most of the differences comes from lighting in the overhead giving clear readings of digital gauges. Two panels control the displays one either side of the cabin. Cabin / Seating Seating in the 737 was a result of the design when moving the engines underneath the wings. As mentioned this allowed the fuselage to be expanded and have six-abreast seating. The total capacity is 526 seats broken down to 162 first class seats, 175 business class and 189 economy seats. 737-800 Engines The massive 800 variant is powered by two 2Sneecma / CFM56-7B27 underwing turbofans putting out a respectable 27,300 pound-force. They move the 800 along at a max cruise speed of 473 knots. The 747-800 can climb to 40,000 feet and will burn 0.44 nautical mile per gallon. It also boasts a 3,060 Nautical Mile or 5,667 Kilometers travel range. Performance The Boeing 737-800 variant has as mentioned 27300 pound-force delivered by two turbo fans. It requires a 2316 meter or 7,598.33 feet of take off distance. For land the 800 needs 1372 meters or 4,501.26 feet. The service ceiling is 41,000 feet. Versions / Variants There are many variants of the 737. The 800 shares a lineage with the 300, 400, and 500. It is notably more stretched than and based off of the original 400. Each version in the 737 family fills a differ role. A unique variant in the 737 family is the 737 Convertible which is both a passenger and cargo airliner. Applications The Boeing 737-800 fills the role upping the capacity of the 300 up the line tot the 500 version. The 800 is mainly used for passenger transport with its 526 seating capacity. And the 800 has shown to be one of the most popular models for filling this role. Notable accidents or incidents Some accidents involving the Boeing 737-800 have resulted in the death or injury of passengers aboard. In one insistence a 737-800 on a route from Istanbul crashing in a field near the Polderbaan. The airliner was attempting to land at Amsterdam's Schiphol Airport. The aircraft broke into 3 pieces after crashing. Out of the 135 passengers on board there were 9 fatalities and 84 suffered injuries. The cause of the accident was determined to be a malfunctioning left radar altimeter. 737-800 Direct competitors Boeing's main competitor is with Airbus. Their version of the Boeing 737-800 is the Airbus A220. Airbus has come to dethrone the 737 as the leader of the industry. A previous model which had success was Airbuses A320. Although successful the A320 could not take on the Boeing 737's success. Want More of This?We'll send you our latest and best content straight to your inbox

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