

Boeing Specification Cross Reference Index

After the introduction of the 707 in October 1958, Pan Am wanted a jet 2+1/2 times its size, to reduce its seat cost by 30%. In 1965, Joe Sutter left the 737 development program to design the 747. In April 1966, Pan Am ordered 25 Boeing 747-100 aircraft, and in late 1966, Pratt & Whitney agreed to develop the JT9D engine, a high-bypass turbofan. On September 30, 1968, the first 747 was rolled out of the custom-built Everett Plant, the world's largest building by volume. The 747's first flight took place on February 9, 1969, and the 747 was certified in later in December. It entered service with Pan Am on January 22, 1970. The 747 was the first... The trijet has two turbofans on underwing pylons and a third one at the base of the vertical stabilizer.

Required navigation performance One Required navigation performance (RNP) is a type of performance-based navigation (PBN) that allows an aircraft to fly a specific path between two 3D-defined points in space. navigation specification that includes a requirement for on-board navigation performance monitoring and alerting is referred to as an RNP specification

Boeing KB-29 Superfortress Two primary versions were developed and produced: KB-29M and KB-29P. Two primary versions were developed and produced: KB-29M The Boeing KB-29 was a modified Boeing B-29 Superfortress for air refueling needs by the USAF. The Boeing KB-29 was a modified Boeing B-29 Superfortress for air refueling needs by the USAF

Six Sigma, strategies seek to improve manufacturing quality by identifying and removing the causes of defects and minimizing variability in manufacturing and business processes. This is done by using empirical and statistical quality management methods and by hiring people who serve as Six Sigma experts. Each Six Sigma project follows a defined methodology and has specific value targets, such as reducing pollution or increasing customer satisfaction. The twin-aisle layout has a typical seating for 270 in two classes.

Jet fuel It is colorless to straw-colored in appearance. Jet A and Jet A-1, which are produced to a standardized international specification. The most commonly used fuels for commercial aviation are Jet A and Jet A-1, which are produced to a standardized international specification. The only other jet fuel commonly used in civilian turbine-engine powered Jet fuel or aviation turbine fuel (ATF, also abbreviated avtur) is a type of aviation fuel designed for use in aircraft powered by gas-turbine engines. The only other jet fuel commonly used in civilian turbine-engine powered aviation is Jet B, which is used for its enhanced cold-weather performance

McDonnell Douglas DC-10 American Airlines offered a specification to manufacturers for a twin-engine wide-body aircraft smaller than the Boeing 747 yet capable of flying similar The McDonnell Douglas DC-10 is an American trijet wide-body aircraft manufactured by McDonnell Douglas e7e1e5b6e9

Boeing 747 The Boeing 747 is a long-range wide-body airliner designed and manufactured by Boeing Commercial Airplanes in the United States between 1968 and 2023 The Boeing 747 is a long-range wide-body airliner designed and manufactured by Boeing Commercial Airplanes in the United States between 1968 and 2023 e7e1e5b6e9

The initial DC-10-10 had a 3,500-nautical-mile [nmi] (6,500 km; 4,000 mi) range for transcontinental flights. The DC-10-15 had more powerful engines for hot and high airports. The DC-10-30 and -40 models (with a third main landing gear leg to support higher weights) each had intercontinental ranges of up to 5,200 nmi (9,600 km; 6,000 mi). The KC-10 Extender (based... e7e1e5b6e9

Stealth technology It corresponds to military camouflage for these parts of the electromagnetic spectrum (i. The term covers a range of methods used to make personnel, aircraft, ships, submarines, missiles, satellites, and ground vehicles less visible (ideally invisible) to radar, infrared, sonar and other detection methods. commercial effort. The X-53 Active Aeroelastic Wing was a US Air Force, Boeing, and NASA effort. e. In fluidics, fluid injection into airflows is being researched Stealth technology, also termed low observable technology (LO technology), is a sub-discipline of military tactics and passive and active electronic countermeasures. , multi-spectral camouflage) e7e1e5b6e9

Most spatial databases allow the representation of simple geometric objects such as points, lines and polygons. Some spatial databases handle more complex structures such as 3D objects, topological coverages, linear networks, and triangulated irregular networks (TINs). While typical databases have developed to manage various numeric and character types of data, such databases require additional functionality to process spatial data types efficiently, and developers have often added geometry or feature data types. e7e1e5b6e9 Jet fuel is a mixture of a variety of hydrocarbons. Because the exact composition of jet fuel varies widely based on petroleum source, it is impossible to define jet fuel as a ratio of specific hydrocarbons. Jet fuel is therefore defined as a performance specification rather than a chemical compound. Furthermore... e7e1e5b6e9

Six Sigma mean and the nearest specification limit, decreasing the sigma number and increasing the likelihood of items outside specification. According to a calculation Six Sigma (6σ) is a set of techniques and tools for process improvement. It was introduced by American engineer Bill Smith while working at Motorola in 1986 e7e1e5b6e9

The term Six Sigma originates from statistical quality control, a reference to the fraction of a normal curve that lies within six standard deviations of the mean, used to represent a defect... e7e1e5b6e9

Electronic flight instrument system navigation display. Early EFIS models used cathode-ray tube (CRT) displays, but liquid crystal displays (LCD) are now more common. Now, however, few flight deck instruments cannot be replaced by an electronic display. In the late 1980s, EFIS became standard equipment on most Boeing and Airbus airliners, and many business aircraft adopted EFIS in the 1990s. In aviation, an electronic flight instrument system (EFIS) is a flight instrument display system in an aircraft cockpit that displays flight data electronically rather than electromechanically. An EFIS normally consists of a primary flight display (PFD), multi-function display (MFD), and an engine indicating and crew alerting system (EICAS) display. The complex electromechanical attitude director indicator (ADI) and horizontal situation indicator (HSI) were the first candidates for replacement by EFIS.

Development of modern stealth technologies in the United States began in 1958, where earlier attempts to prevent radar tracking of its U-2 spy planes during the Cold War by the Soviet Union had been unsuccessful. Designers turned to developing a specific shape for planes that tended to reduce detection...

Spatial database The Open Geospatial Consortium (OGC) developed the Simple Features specification (first released in 1997) and sets standards for adding spatial functionality. A spatial database is a general-purpose database (usually a relational database) that has been enhanced to include spatial data that represents objects defined in a geometric space, along with tools for querying and analyzing such data.

The DC-10 was intended to succeed the DC-8 for long-range flights. It first flew on August 29, 1970; it was introduced on August 5, 1971, by American Airlines. SVG images are defined in a vector graphics format and stored in XML text files. SVG images can thus be scaled in size without loss of quality, and SVG files can be searched, indexed, scripted, and compressed. The XML text files can be created and edited with text editors or vector graphics editors, and are rendered by most web browsers. SVG can include JavaScript, potentially leading to cross-site scripting. The 509th and 43d Air Refueling Squadrons (Walker AFB, NM and Davis-Monthan AFB, AZ respectively) were created in 1948 to operate the KB-29M tankers. The 303d Bombardment Wing at Davis-Monthan AFB flew B-29s and KB-29s from 1951 to 1953 that provided training for strategic bombardment and air refueling operations to meet SAC's global commitments. Deployed at Sidi Slimane AB, French Morocco, 5 Oct – 6 November 1952. Geographic database (or geodatabase) is a...

SVG The SVG specification is an open standard developed by the World Wide Web Consortium since Scalable Vector Graphics (SVG) is an XML-based vector graphics format for defining two-dimensional graphics, having support for interactivity and animation. two-dimensional graphics, having support for interactivity and animation. The SVG specification is an open standard developed by the World Wide Web Consortium since 1999.

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