

Boeing 747 400 normal procedures guide

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What are the technical specifications of the 747 400? It typically accommodates 416 passengers in a three-class layout over a 7,285 nmi (13,492 km; 8,383 mi) range with its 875,000-pound (397 t) maximum takeoff weight (MTOW). The first -400M combi was rolled out in June 1989.

What is the configuration of the 747 400? This Boeing 747-400 seats 423 passengers in a three-class configuration and is primarily used on long-haul routes. There are 12 flat bed seats in First Class, 26 angled-flat seats in Business Class and 385 standard seats in Economy.

What is the aircraft code for 747-400? B74D. The 747-400D (Domestic) is a high density seating model developed for short-haul domestic Japanese flights. This model is capable of seating a maximum of 568 passengers in a two-class configuration or 660 passengers in a single-class configuration. The B74D is member of the B747 family of aircraft.

What is the final approach speed of a 747-400? The proper final approach speed varies with weight, but a good target speed at typical operating weight is 135 to 140 KIAS. With landing gear down and flaps at 30 degrees, set the power at 55 to 60 percent N1.

How many hours can a Boeing 747-400 fly? However, generally speaking, a Boeing 747 can fly for approximately 14 to 16 hours covering a distance of around 7,260 to 8,000 nautical miles (8,350 to 9,200 miles or 13,450 to 14,815 kilometers) without needing to refuel.

What is the minimum takeoff distance for a 747-400? Generally, a typical runway length for a fully loaded Boeing 747-400, one of the most common variants, is

around 10,000 to 12,000 feet (3,048 to 3,658 meters) for takeoff. This length allows the aircraft to accelerate to the necessary speed, achieve lift-off, and clear any obstacles.

What are the characteristics of the Boeing 747?

What is the service ceiling of the 747-400? It is the highest flying subsonic passenger airliner, with a service ceiling of 45,100 feet (13,700 meters). Boeing needed a smaller aircraft to compete with the McDonnell Douglas DC-10 and Lockheed L-1011 TriStar tri-jet wide-bodies, introduced in 1971/1972.

Is 747-400 fly by wire? Another major difference between a 747-400 and the Dreamliner is that the latter is what's known a fly-by-wire aircraft. In the 747-400, when the pilot moves the controls, actual physical cables convey that motion to the rest of the plane, so the surfaces on the wings, like ailerons, can move appropriately.

What is the nickname of the 747-400? The Queen of the Skies. The jumbo jet. The whale. All are nicknames for the Boeing 747, the most famous jet airliner ever to ply the sky.

What is the maximum operating altitude of a 747-400? There are many variants, of the 747, but the general, consensus, is that the operating limitation for altitude is 45,000 feet. Somewhere higher, than 45000 feet the air would get too thin.

How many pilots does a 747-400 have? 747 types 1~3 two pilots, one engineer. If flying over a specified time limit, an IRO pilot is required. 747-400 two pilots and again if over a specific time limit an International Relief Officer is needed.

What is the takeoff speed of a 747-400? A typical takeoff or rotation speed of a Boeing 747-400 model—which was the biggest selling of the 747 variants—is around 160 knots.

Why is 747 called Queen of the Skys? Flying the 747—as well as flying on the 747—was an experience that no other aircraft offered, with a staircase to the upper deck. It was so culturally and economically significant, and had such a unique figure, that it had its own nickname: Queen of the Skies.

What engine is in the 747-400? Operators may choose between four Pratt & Whitney PW4062 turbofan engines, with 63,300lb maximum thrust, four Rolls-Royce RB211-524H turbofan engines, with 59,500lb maximum thrust or four General Electric CF6-80C2B5F turbofan engines, with 62,100lb maximum thrust.

Can a 747-400 fly on one engine? Conclusion. While it's very clear that a 747 cannot fly properly with the failure of three engines, we can see that a single functioning engine would at least extend the aircraft's distance and prolong its time in the air. Hopefully, this would buy enough time and distance for the 747 to reach a suitable landing spot.

Why is the 747-400 so popular? After its introduction in 1989, the 747-400 became the best-selling 747 variant. It is known for its efficiency, increased range, and advanced technology, such as the two-crew glass cockpit.

How many people can a 747-400 carry? The Boeing 747-400 passenger version can accommodate 416 passengers in a typical three-class layout, 524 passengers in a typical two-class layout, or 660 passengers in a high density one-class configuration.

What is the max cruise speed of a 747-400? The top speed of a Boeing 747-400 is about 982 km/h (530 knots or 610 mph) at cruise altitude. This is equivalent to Mach 0.92, which means 92% of the speed of sound at that altitude. The speed of sound varies with temperature and air pressure, but at cruise altitude it is about 1060 km/h (573 knots or 660 mph).

What is the lifespan of a 747-400? The service life of a Boeing 747, like many commercial aircraft, typically spans around 20 to 30 years, though this can vary based on several factors. The lifespan is influenced by: Operational Intensity: How often the aircraft is flown and the nature of the flights (short-haul vs. long-haul) can affect its longevity.

What was the shortest 747-400 flight? City of Canberra also set the record for the shortest ever 747 flight. In March 2015, it flew from Sydney to Shellharbour, with a flight time of 12 minutes. This record was beaten by a British Airways 747-400 that made a nine minute flight from Cardiff to MOD St Athan in November 2019.

What is the spec of the Boeing 747? Boeing 747-8: Length: 70.66 meters. Cabin Width: 239.5 inches. Wing Span: 68.4 meters. Typical Seat Count (3-class): 467.

What are the characteristics of the Boeing 747?

What is the type rating of the 747-400? The B747-400 Initial Type Rating Course, comprises of 3 phases in total: Theoretical Knowledge Instruction of 80 hours in total. During this phase, you will be taught the Aircraft's System & Performance. At the end of the course, you will have to successfully pass a Final Exam.

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¿Qué es la contabilidad administrativa según Ramírez Padilla? La contabilidad administrativa, según David Noel Ramírez Padilla, es vista como un sistema de información que se les brinda a las empresas, en virtud de las necesidades administrativas que tengan, específicamente en el ámbito administrativo de su institución, para mejorar su posición en el mercado.

¿Qué es la contabilidad administrativa resumen? Contabilidad administrativa: Objetivos Proporcionar a la gerencia de la empresa información básica sobre los puntos fundamentales que se necesitan para desarrollar el negocio. Estos se centran básicamente en el coste de los servicios, de los productos, de los equipos, etc.

¿Qué es contabilidad administrativa según las NIF? La Contabilidad Administrativa (o Gerencial) Es aquella que coadyuva en la planeación, control y toma de decisiones a los usuarios internos de la empresa, tales como los directivos, gerentes y mandos intermedios como jefes de departamento.

¿Cuál es la diferencia entre la contabilidad financiera y la contabilidad administrativa? Mientras que la contabilidad administrativa se enfoca en la gestión, control operativo, planeación presupuestaria y teneduría, la contabilidad financiera toma énfasis en los flujos de fondos y su convertibilidad dentro del ciclo del negocio.

¿Cuáles son los principales aspectos de la contabilidad administrativa?

¿Quién usa la contabilidad administrativa? La gerencia utiliza la contabilidad administrativa para analizar la empresa.

¿Cuáles son las desventajas de la contabilidad administrativa? Sin embargo, también presenta algunas desventajas: Requiere de personal capacitado, que tenga conocimientos de contabilidad administrativa. Implica altos costos de implementación y mantenimiento. La información que genera está orientada al pasado, no al futuro.

¿Cuáles son las cuentas administrativas? Son aquellos gastos necesarios para el funcionamiento a nivel administrativo de la empresa. Es decir, no se encuentran relacionados con la actividad específica que realiza la empresa (como fabricación y ventas), pero que son esenciales para que la compañía funcione correctamente.

¿Cuáles son los usuarios de la contabilidad administrativa? Contabilidad financiera: En función de usuarios externos de una empresa como: clientes, proveedores, inversionistas, sindicatos, etc. Contabilidad administrativa o de gestión: En función del equipo interno de una empresa como gerentes, socios y propietarios.

¿Qué actividades tiene la contabilidad administrativa? Recopilar, verificar y registrar la información administrativa-contable relativa a la actividad de la empresa: albaranes, facturas, recibos, resguardos, extractos bancarios, etc. Emitir, revisar y cotejar las facturas. Realizar y hacer el seguimiento de cobros y pagos, así como el registro y control de los mismos.

¿Cuál es la documentación de la contabilidad administrativa?

¿Cuáles son los 4 estados financieros básicos según las NIF? Balance general o de situación. Estado de resultados. Estado de flujo de efectivo. Estado de cambios en el patrimonio neto.

¿Qué es contabilidad administrativa y ejemplos? Un ejemplo de contabilidad administrativa es cuando una empresa evalúa subir el sueldo de los empleados. Para ello debe valorar si cuenta con los recursos necesarios para sostener dicho

aumento de forma permanente y si esto se aplicará a todos los niveles o a una parte de la plantilla.

¿Cuáles son los 5 principios de la contabilidad? Principios: Objetividad, Prudencia, Uniformidad, Exposición y Materialidad. Estos principios están en relación con la información, ya que tienen que ver con la recolección, medición, exposición y forma en que se toma la información.

¿Cuál es el objetivo principal de la contabilidad administrativa? Por otro lado, la contabilidad administrativa, también conocida como contabilidad de gestión, se centra en proporcionar información útil para la toma de decisiones internas. Su objetivo es ayudar a la administración a planificar, controlar y evaluar el desempeño de la empresa.

¿Qué es la contabilidad administrativa Scielo? Contabilidad administrativa, herramienta para la toma de decisiones gerenciales. Resumen: Las organizaciones requieren información contable, pertinente y oportuna para apoyar sus decisiones, lo que exige disponer de registros contables que provean información sobre la contabilización de los procesos clave.

¿Qué es la contabilidad administrativa UNAM? La contabilidad administrativa se orienta al futuro para apoyar las funciones de planeación de la empresa, la contabilidad financiera registra hechos históricos.

¿Qué es la contabilidad financiera autores? Según Horngren (2015) la contabilidad financiera, es la ciencia de la empresa, mediante la cual se recolectan, se clasifican, se registran, se suman y se informa de las operaciones cuantificables en dinero, realizadas por una entidad económica.

¿Qué es la administración en la contabilidad? La administración contable, también llamada contabilidad administrativa o contabilidad de gestión, consiste en el análisis y la recopilación de informes financieros internos de una empresa que permiten a la gerencia tomar decisiones críticas para alcanzar los objetivos del negocio.

What grade level is J in Kumon? This award is presented to a student who has completed Math/Reading worksheet J10 or above before or during their 6th-grade

year. Math Level J focuses on factorization, quadratic equations, and simultaneous equations. Reading Level J develops critical reading skills, the structure of passages, and character analysis.

How to get free Kumon answers? Unfortunately, Kumon answer and solution books cannot be downloaded for free. If you are already studying at Kumon you might be able to ask your teacher for an answer book if they haven't already given you one. Other wise the only way to get one is by attending Kumon.

What is the K level in Kumon? Level K introduces higher degree, fractional, irrational and exponential functions and their corresponding graphs.

What level does Kumon reading end? The Reading Program consists of 23 levels, numbered Level 7A through Level L. Each Level consists of 200 pages and is broken down by topic into sections.

What grade reads level j? Children typically read books at levels E through J during first grade.

What grade is J?

Is Kumon actually helpful? Similarly, while Kumon will help your child develop the skills necessary to succeed on any standardized test, the program isn't tailored to any specific exam. If you're looking for tips and tricks and to excel on the SATs, for example, a test prep course may be a better option. Kumon isn't a quick fix.

How do you skip Kumon? If you wish to discontinue Kumon, we have a thirty (30) day cancellation policy. You must provide written notice of stopping or transferring. We will count out thirty days from your notice and the month that day falls into will be the last month of which tuition will be collected.

Is Kumon for smart students? Kumon is ideally suited for gifted students because it is always pushing them to meet the next challenge at the best pace for the individuals.

What is level Z in Kumon? Experts often cite fine motor skills as another key factor to being prepared for kindergarten which is another skill Kumon can help build. Kumon's Level Z is a part of the program designed to help develop fine motor skills

and pencil holding skills.

What Kumon level is grade 6? Kumon materials introduce new content in a way that enables students to learn independently, which is a valuable skill that can drive success in school and beyond. Students attain a significant mark of academic distinction by reaching Math Level J before or during grade 6.

How long does it take to finish Kumon? Kumon is not a quick fix but should be considered a long-term program. Depending on the child's comfortable starting point, he or she will reach grade level or beyond in 3-12 months time frame, obviously depending on each individual child.

What grade is level J in Kumon reading? Students attain a significant mark of academic distinction by reaching Reading Level J before or during grade 6. Our founder Toru Kumon said: We should help students advance to high school level worksheets as quickly as possible while they are in elementary or junior high school.

Who is Kumon owned by? Kumon Institute of Education Co. Ltd. (???????, Kumon Ky?iku Kenky?kai) is an educational network based in Japan and created by Toru Kumon.

What is the max level of Kumon? The Kumon Mathematics Programme consists of 21 levels, from Level 6A through to Level O, and an elective course, which comprises five sub-levels.

What is Kumon Level Z? Kumon's Level Z is a part of the program designed to help develop fine motor skills and pencil holding skills. These worksheets help students learn how to hold a pencil correctly, apply the proper amount of pressure, and develop hand strength.

What Kumon level is grade 9? For students on a slower track, Grade 9 is Algebra I, which would start at Level G. For students on a faster track, Grade 9 is Algebra II, which would start at Level J.

What grade is level J on IXL? Eighth grade is displayed as Level J. Algebra is displayed as Level K. Geometry is displayed as Level L. To make sure your students don't see the grade levels before signing in, instruct them to always sign in from www.ixl.com/signin.

What grade is level G in Kumon? Reaching G by 5 (math level G by 5th Grade) has been the nationwide goal for all Kumon students in Grade 5 or under for many years; however, starting this fall, the goal at Kumon will be to reach math level G by 3rd Grade and math level J by 6th Grade.

Structural Design of Raft Foundations: Questions and Answers for Structural Engineers

Q1: What is a raft foundation? A raft foundation is a type of shallow foundation that extends over the entire area of the structure, effectively distributing the load over a wider area. It is often used for structures subject to uneven loading or soft soil conditions.

Q2: What are the advantages and disadvantages of raft foundations? Advantages include increased load-bearing capacity, reduced settlement, and resistance to differential settlement. Disadvantages include higher construction costs and the need for specialized design and construction techniques.

Q3: How is a raft foundation designed? Structural engineers analyze the load distribution, soil conditions, and building requirements to determine the optimal dimensions and reinforcement layout. The foundation must be checked for stability, settlement, and bearing capacity.

Q4: What factors influence the design of a raft foundation? Soil properties, including strength, compressibility, and drainage, are crucial. Building weight, geometry, and loads also impact the design. Additionally, factors such as water table depth and seismic activity must be considered.

Q5: Why is it essential to consult structural engineers for raft foundation design? Structural engineers possess the expertise to conduct thorough analyses, consider various factors, and ensure the safety and performance of the foundation. They can provide guidance on optimal design solutions and supervise construction to minimize risks and optimize results.

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