

Boeing 747 engine

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What engines does the 747 use? The 747 is a four-engined jet aircraft, initially powered by Pratt & Whitney JT9D turbofan engines, then General Electric CF6 and Rolls-Royce RB211 engines for the original variants.

Why does a 747 have 5 engines? The Boeing 747's design allowed for a supporting strut to attach various items such as a spare engine. The spare engine was essential to getting a grounded 747 back in the skies.

How much horsepower does a 747 engine have? The Boeing 747 has four engines, each of which can produce up to 59,934 horsepower. This means that the total horsepower of a Boeing 747 is 239,736 horsepower.

Why are 747 no longer used? It is still one the most recognizable planes to take to the skies with its iconic hump, four engines, extensive landing gear and sheer size. But over the last few decades, airlines have pushed aircraft manufacturers for more fuel-efficient planes to reduce costs.

Do Boeing use Rolls-Royce engines? Boeing does not exclusively use GE engines; they work with multiple engine manufacturers, including General Electric (GE), Rolls-Royce, and Pratt & Whitney, among others. Boeing selects engines based on various factors such as performance, efficiency, and suitability for specific aircraft models.

Can a 747 fly on 3 engines? Air traffic control expected the plane to return to the airport and deleted its flight plan. However, after consulting with the airline dispatcher, the pilots decided to set off on their flight plan "and get as far as we can" rather than dump 70 tonnes of fuel and land. The 747 is certified to fly on three engines.

Can 747 be made with 2 engines?

Why is 747 bigger than 777? Also, the 747 has a slightly wider cabin width (239.5 inches versus 231 inches), which in some configurations, may mean 1 more seat across a row (10 versus 9). Even for the same length, with the 747 having the cockpit “upstairs”, the 747 has more floor area available for seating.

Can a 747 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.

What is the strongest plane engine? The GE9X is the largest and most powerful commercial aircraft engine ever built, incorporating advanced technologies that enable more efficient, quieter flight with fewer emissions.

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.

Why was the Boeing 747 retired? The retirement of the Boeing 747 is part of a broader global trend in aviation, with airlines around the world replacing these iconic planes with more efficient and modern jets. Air India's decision to retire its remaining Boeing 747s aligns with this industry shift towards newer, more fuel-efficient aircraft.

Why did the A380 fail? The stretched A380 version was what the Airbus designers really had in mind when they built a wing much larger than necessary for the baseline A380-800. It made that version heavier and so significantly less efficient than would have been possible with a smaller wing optimized for its fuselage size.

How many 747s have crashed? Of the 1,554 747s built up to June of 2019, somewhere between 22 and 28, depending on what you want to count. * 22 have permanently stopped flying due to crashing into things, * 4 have exploded or disintegrated in mid-air, * 1 has been shot down, and * 1 has been destroyed by another 747 (one of the 22 noted ab...

Why is the A380 discontinued? However, the \$445 million price tag of each aircraft was not sufficient to even cover the production cost, so with Airbus losing money on each A380, and with orders evaporating, it made economic sense to cease production.

What engines does the A380 use? The A380 has a range of 15,000km with the maximum number of passengers and a maximum speed of 0.89 Mach. The A380 is powered by four engines (either Rolls-Royce Trent 900 or GE / Pratt & Whitney GP7200), each providing 70,000lb of thrust.

Who builds Airbus engines? Pratt & Whitney and General Electric have a joint venture, Engine Alliance selling a range of engines for aircraft such as the Airbus 380. There are others like Honeywell Aerospace, Russian and Chinese companies into aircraft engine manufacturing.

Who makes 787 engines? The twinjet is powered by General Electric GEnx or Rolls-Royce Trent 1000 high-bypass turbofans.

Can a 747 glide with no engines? This means it can fly 15 feet forward for every foot it drops. A common cruising altitude for a 747 is 36,000 feet, which is about 6.8 miles. This means a 747 can glide for about 102 miles before hitting the ground if all its engines fail at cruising altitude.

Can you fly a 747 alone? So it's possible, and it can be done, but not at ALL "without a problem." The private pilot could steer the plane, and he could point the plane at the runway for landing.

Is the 747 underpowered? The 747-100 was notoriously underpowered.

Why does the 747 need 4 engines? The Boeing 747-400 experiences the least degradation in performance, making it safer during an engine failure. Fitting an aircraft with four engines also increases power, enabling more passengers, heavier payloads, and increased performance.

Can an a380 fly with one engine? These four engines' combined thrust equates to around 1,427.24 kN (320,840 lbf), which powers the aircraft to lift it into the sky. To maintain level flight with a single engine, its thrust of 356.81 kN (80,210 lbf) would

need to produce sufficient power to maintain a cruise speed of Mach 0.85 (903 km/h; 488 knots).

Can a 747 have 5 engines? 747s do not normally have five engines, almost all have just four. Only one 747, operated by Qantas has flown with five, because it was cheaper and easier to put a fifth engine under the wing for transport than to have it shipped.

Why the 747 is legendary? A Game-Changer in Aviation With its spacious interior and unparalleled range, the 747 opened up new horizons for airlines and passengers alike. Its ability to carry hundreds of passengers across continents made it the preferred choice for long-haul flights, cementing its status as the “Queen of the Skies.”

Why did Boeing stop making the 777? The trijet 777 was later dropped, following marketing studies that favored the 757 and 767 variants. Boeing was left with a size and range gap in its product line between the 767-300ER and the 747-400.

Why do Boeing planes have 7? The first commercial passenger airline in the series was assigned the number 707 (pronounced Seven Oh Seven). The Boeing 707 is credited with launching the beginning the “Jet Age.” It was decided that all model numbers that either began or ended in a “7” would be reserved for commercial jets.

Do pilots turn off engines? Pilots do not turn an engine off at all while in a flight. They will lower the throttle to about 40 percent which might sound really quiet enough for some people to think that it's off.

Can an A350 fly with one engine? On 15 October 2014, EASA approved the A350-900 for ETOPS (Extended-range Twin-engine Operations Performance Standards) 370, allowing it to fly more than six hours on one engine and making it the first airliner to be approved for "ETOPS Beyond 180 minutes" before entry into service.

Can a 747 run on 3 engines? The 747 is certified to fly on just three engines, and there was no indication of any damage to the aircraft's other engines. Safety experts and aviation regulators still questioned the decision to operate such a long flight with one engine out.

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What engine is in a Boeing 777 vs 747? The Boeing 777-9 has two engines, whilst the Boeing 747-8 has four. Originally designed to be capable of flying long, over-water routes (as a result of antiquated ETOPS restrictions), the Boeing 747 is stuck with engines that offer half the power of one 777X engine.

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Why does the A380 need 4 engines? Why does the A380 have 4 engines? The number of engines and the size of the engines is determined by the thrust requirements in order to put the aircraft weight into the air and keep it there. no two engines are powerful enough to move that A380 size/weight into the air.

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What is the strongest plane engine? The GE9X is the largest and most powerful commercial aircraft engine ever built, incorporating advanced technologies that enable more efficient, quieter flight with fewer emissions.

Who makes 747 engines? The aircraft has four engines mounted under the wings. The engine selected for the aircraft is the GEnx-2B67, the General Electric next-generation engine. The design of the 747-8 aircraft engine is slightly modified variant of the GEnx engine developed for the Boeing 787 Dreamliner aircraft.

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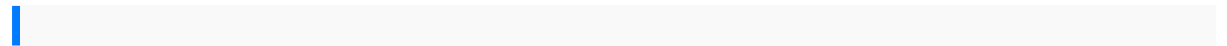
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Can a 747 land without engines? Without engine thrust, the 747 had a glide ratio of 15:1, meaning it can glide forward 15 kilometres for every kilometre it drops. After calculating the glide ratio, the crew realized that they had less than 30 minutes to regain power before they smashed into the ground.

Why is 747 retired? The Boeing 747, with its four engines, is being phased out in favour of twin-engine jets that are not only cheaper to operate but also significantly reduce fuel consumption—a crucial factor amid rising fuel costs and increased environmental regulations.

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