

April 2021
(Figures at end of March 2021)

A350 FAMILY: SHAPING THE FUTURE OF AIR TRAVEL

Key Figures

25% advantage in fuel burn, operating costs and CO₂ emissions vs. previous generation competitor aircraft

70% advanced materials: composites (53%), titanium, modern aluminium alloys

- The A350 Family is the world's most modern and efficient widebody family and the long-range leader. It is the only all-new design aircraft in the 300-410 seater category, offering the lowest cost per seat of any large widebody.

- The A350 offers by design unrivalled operational flexibility and efficiency for all market segments up to ultra-long haul (9,700 nm).

- The A350's clean sheet design includes state-of-the-art technologies and aerodynamics delivering unmatched standards of efficiency and comfort.

- The A350's "Airspace" cabin is the quietest of any twin-aisle and offers passengers and crew the most modern in-flight products for the most comfortable flying experience

Orders and deliveries

- 913 orders from 49 customers.
- 407 A350s delivered to 39 operators. (incl. 53 A350-1000)

In-service status

- 576,000+ revenue flights 621 routes
- 146,000,000+ passengers
- Operational Reliability 99.4% reached in 2020 (3-month rolling) as end of March 2020

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Product features

The world's most modern and efficient aircraft family

- Combining the very latest aerodynamics, new generation engines and use of lightweight materials, the A350 brings a 25% advantage in fuel burn, operating costs and carbon dioxide (CO₂) emissions compared to previous generation competitor aircraft.
- State-of-the-art aerodynamics, inspired by nature, including unique morphing technology that continuously optimises the wing profile to reduce drag and lower fuel burn.
- Powered by new Rolls-Royce Trent XWB engines, the world's most efficient large aero engine flying today:
 - A350-900: 84,000 lbs take-off thrust
 - A350-1000: 97,000 lbs take-off thrust
- Over 70% of the airframe is made from advanced materials, including:
 - 53% composites
 - titanium (substitute for steel)
 - modern aluminium alloys

Community benefits

An eco-efficient, sustainable design for a quieter, cleaner aircraft reducing the environmental impact from gate to gate:

- Quietest in its class with 40% noise footprint reduction vs previous generation aircraft: exterior noise level of the A350-900 is certified at 21 EPNdB (Effective Perceived Noise Decibel) below ICAO Chapter 4 requirements.
- 25% less CO₂ emissions per seat. Demonstrating Airbus' commitment to minimise its environmental impact while remaining at the cutting edge of air travel.
- 28% NO_x (Nitrogen (di)Oxide) emissions below CAEP/6.

Cabin features

- The A350 features a 221"-wide cabin (6" wider than 787) offering passengers absolute comfort in all classes, and flexibility for airlines to accommodate all types of configurations.
- The A350-900 offers 300-350 seats in typical 3-class configuration
- The A350-1000 offers 350-410 seats in typical 3-class configuration, with the same comfort and 40% more premium area.

Exclusive passenger experience

- The quietest twin-aisle cabin:
 - Five decibels quieter than competing aircraft, and up to nine decibels quieter towards the front of the cabin. This means four times less noise.
 - Lower cabin altitude thanks to composite fuselage: 6,000 feet vs 8,000 feet in an aluminium fuselage aircraft.

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- Largest overhead luggage bins on the market.
- Highest ceiling (95 inches) in the industry and vertical sidewalls, increasing the feeling of space for passengers.
- Latest air conditioning and cabin temperature management systems:
- Up to 8 temperature control zones for passengers in all classes, additional 4 zones for crew members.
- More fresh air than 787 with entire air cabin renewed every 2 to 3 minutes.
- Full LED ambient lighting: 16.7 million different colours for a large variety of customisable, dynamic lighting scenarios to simulate different times of day (e.g. mimicking natural sunrise and sunset) and reduce fatigue & jetlag after a long-haul flight.

In-Flight-Entertainment & Connectivity:

- Latest (fourth) generation in-flight entertainment system for all passengers: high definition screens and video on demand.
- Full connectivity (Internet, Email, GSM, WiFi) via personal devices for all passengers.
- Wireless connection, broadband connectivity.

A350 Technical Data

| | A350-900 | A350-1000 |
|----------------------------|--------------------------|--------------------------|
| Typical 3-class seating | 300-350 - Max 440 | 350-410 - Max 440 |
| Engine (Thrust) | Rolls-Royce Trent XWB-84 | Rolls-Royce Trent XWB-97 |
| Max.Take-Off Weight (MTOW) | 280t | 319t |
| Range | 8,100nm (15,000km) | 8,700nm (16,100km) |
| Length | 66.80m (219' 2") | 73.78m (242' 1") |
| Wing span | 64.75m (212' 5") | |
| Fuselage width | 5.96m (19' 7") | |
| Height | 17.05m (55' 11") | 17.08m (56' 0") |
| Max fuel capacity | 141,000l | 159,000l |
| Usable cargo volume | 172,40 m ³ | 208,20 m ³ |

Operational flexibility

- A flexible, high-value Family comprising 2 complementary aircraft, the A350-900 and the A350-1000, with high level of commonality (95% common part numbers) and Same Type Rating.
- The A350-900 is a single and optimum platform, which offers unbeatable operational flexibility and efficiency, from short to ultra-long-range operations.
- The A350-900 Ultra Long Range (ULR) is the latest variant of the A350 Family. Capable of flying 9,700 nautical miles (18,000 kilometres) non-stop, the A350-900ULR offers the longest range of any commercial airliner in service today.

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Commonality across all Airbus aircraft product line

- The A350 has been awarded a Common Type Rating with the A330 (+1,000 A330s in-service) allowing:
 - 65% reduction in training time for airline pilots (down to only eight days) versus a full type rating course
 - 15% higher pilot productivity with a single pool of pilots for both the A350 and the A330
- The A350 offers Cross Crew Qualification with the A320 Family (more in-service aircraft than any other jetliner).

Programme main dates:

| | |
|------|---|
| 2013 | A350-900 first flight (14 th June) |
| 2014 | A350-900 EASA (30 th September) and FAA Type certification (12 th November) First A350-900 delivery to Qatar Airways (22 nd December) |
| 2015 | A350-900 Entry Into Service with Qatar Airways (15 th January) |
| 2016 | A350-1000 first flight (24 th November) |
| 2017 | A350-1000 EASA and FAA Type certification (21 st November) |
| 2018 | First A350-1000 delivery to Qatar Airways (20 th February) A350-1000 Entry into Service with Qatar Airways (24 th February) A350-900ULR Entry into Service with Singapore Airlines (11 th October) |

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