

BACKGROUND

Frankfurt, 13 March 2019

Airbus A350-900

Environmentally friendly long-haul aircraft of the latest generation in passenger traffic

Order and delivery

- Lufthansa has ordered a total of 41 Airbus A350-900 aircraft, of which 12 have already been delivered.
- The list price is around USD 317.4 million per airplane.
- The A350 has 293 seats, 48 in Business Class, 21 in Premium Economy Class and 224 in Economy Class.

Long-haul aircraft of the latest generation in passenger traffic

- 70 percent of the aircraft is made of state-of-the-art materials. Composite materials (53%), titanium and modern aluminum alloys are combined. One example: the wing shell of the A350 is the largest single component ever made of carbon fiber composites in civil aviation.
- This means additional corrosion resistance and weight savings as well as 25 percent less fuel consumption.
- More efficient Rolls-Royce Trent XWB engines: The new Rolls-Royce XWB engines are among the most efficient engines for large passenger airliners currently in use. The diameter of such an engine is equal to the hull diameter of a Concorde.

Unique environmental efficiency

50 percent lower noise footprint

Noise emissions are reduced to well below the prescribed limits (with state-of-the-art Rolls-Royce Trent XWB engines and weight savings).

Over 25 percent less kerosene consumption and emissions

When in operation, the A350-900 is more fuel-efficient than any other long-haul aircraft: Kerosene consumption averages 2.9 liters per passenger per 100 kilometers of flight, which is 25 percent less than comparable aircraft types.

Routes and destinations

Lufthansa now serves eleven long-haul destinations with the A350-900 - from Vancouver to Singapore. The exact operational spectrum of the additionally ordered aircraft will be determined at a later date.

Technical specifications

Engine	RR Trent XWB-84
Length	66.80 m
Wingspan	64.75 m
Height	17.05 m
Wing area	443 m ²
Max. take-off weight	268 t
Engine performance	2 x 84,000 lbs
Fuel tank capacity	141,000 l
Cruising speed	0.85 Mach
Range*	approx. 10,000 km
Fuel consumption	approx. 2.9 l/100 km per passenger