

# BACKGROUND

Frankfurt, 13 March 2019

## **Boeing 787-9**

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

#### **Order and delivery**

- Lufthansa has ordered a total of 20 Boeing 787-9 aircraft; delivery from 2022 onwards.
- The list price is around USD 281.6 million per airplane.  
The 787-9 will have around 250-300 seats in various classes, depending on the later area of operation in the Lufthansa Group.

#### **Long-haul aircraft of the latest generation in passenger traffic**

- The aircraft is made of state-of-the-art materials: the primary structure, including the fuselage and wings, is made of 50% composite materials
- This means high corrosion resistance and weight savings as well as 25 percent lower fuel consumption than comparable aircraft of the previous generation.
- The new aircrafts are powered by state-of-the-art, powerful and low-noise engines. The noise footprint of the new models will be at least 30 percent smaller than that of comparable aircraft today. Which engine manufacturer will be chosen will be decided at a later date.

#### **Unique environmental efficiency**

##### 30 percent lower noise footprint

- Noise emissions are reduced to well below the prescribed limits (through state-of-the-art engines and weight savings).
- Toothed edges on the engine nacelles reduce noise development by up to 30% both outside and inside the cabin.

##### Over 25 percent less kerosene consumption and emissions

- The 787-9 flies more economically than almost any other long-haul aircraft: kerosene consumption averages 2.9 litres per passenger per 100 kilometres of flight and is thus around 25 percent lower than for comparable older aircraft types (e.g. Airbus A340-300).

- The aircraft also has curved wing ends, which also contribute to improving fuel efficiency.
- The windows are over 30% larger than most other airplanes of comparable size and the brightness of the windows can be adjusted at the push of a button.

## **Routes and destinations**

Which long-haul destinations the Lufthansa Group's airlines will serve with the 787-9 will be announced at a later date.

## **Technical specifications**

Engine	RR Trent 1000
Length	62.81 m
Wingspan	60.12 m
Height	17.02 m
Wing area	361 m <sup>2</sup>
Max. take-off weight	254 to
Engine performance	2 x 74.400 lbs
Fuel tank capacity	126,000 l
Cruising speed	Mach 0,85
Range*	approx. 10,400 km
Fuel consumption	approx. 2.9 l/100 km per passenger

### **Media Relations**

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