



The giant of the skies **A380**

More than 120 A380 aircraft are in service across 13 airlines worldwide.



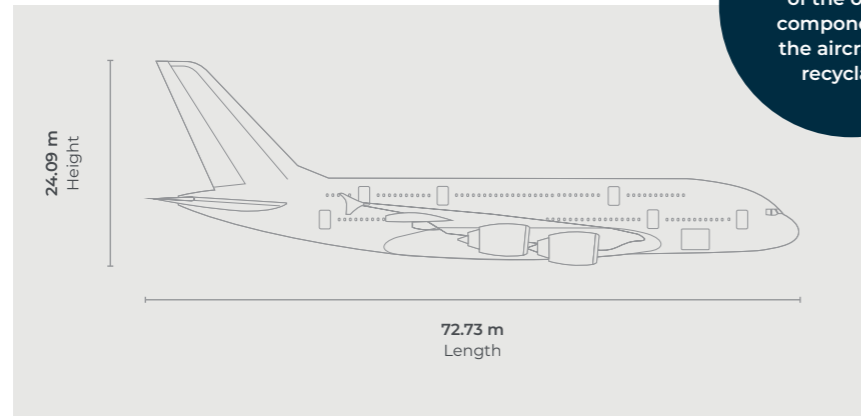
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→ Measurements

Length & Height



85% of the overall components of the aircraft are recyclable

→ Features

· Service ceiling	13,115 m
· Range	15,700 km (8500 mn)
· Cruise speed	Mach 0,85 (900 km/h)
· Usable life (until overhaul)	140,000 flight hours
· Fuel	320,000 litres (10 tanks/40' to fill)
· Runway (depending on the load)	2,750/3,100 m (landing)

→ Configuration

Based on the catalogue, airlines may choose from 11 different A380 internal layouts, including potential customisations and any other extravagances. The standard configuration is for 525 passengers, although there are also versions ranging from 407 (Korean Air) to 840 passengers (Air Austral). Some of the most special configurations are:

- **Singapore:** 12 suites, with king-size bed, desk and closet
- **Emirates:** 14 suites, with bed, shower and spa
- **Qantas:** 6 self-serve bars and meeting rooms
- **Virgin Atlantic:** gym, casino and bars

Average price of **EUR 290 million**

→ Aircraft personnel

In-flight: 21 flight attendants for each route

The aircraft has five service areas. The back of the plane has a compartment with 8 beds for the crew.



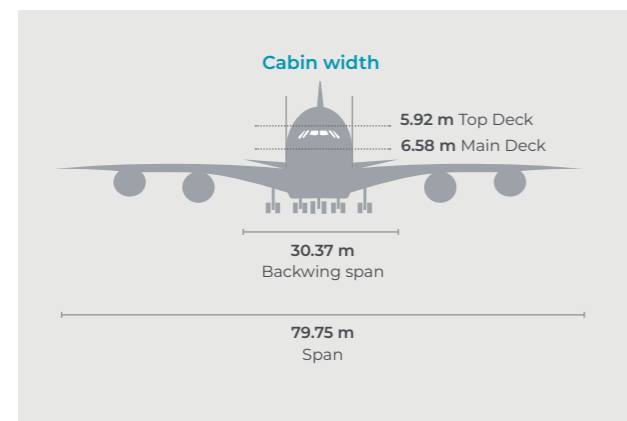
Ground: 74 ground staff

Average for ground handling services at the airport for an A380



The first flight of the Wright brothers (37 m) was shorter than the wing span of an A380

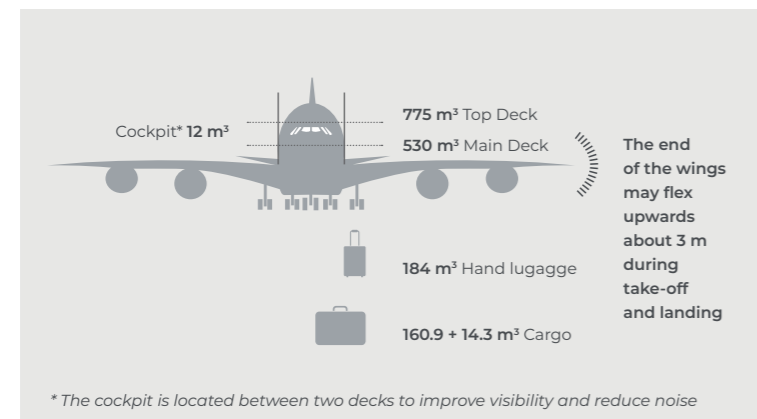
Width



Surface



Volume

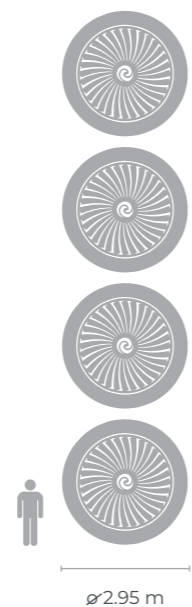


→ Manufacture

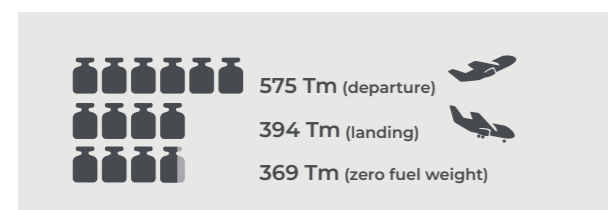
- 3 main parts
- 4 engines: A380s may have either Rolls-Royce Trent 900 or Gp700 Engine-Alliance (General Electric / Pratt & Whitney) engines, depending on the versions. It has an internal operating temperature of 3,100 °C and can take in 1.5 tonnes of air per second
- 16 doors
- 220 windows
- 3,600 litres of paint are needed
- 8,000 bolts to join the three main parts of the aircraft
- 40,300 connectors
- 100,000 wires (the total wiring of the plane extends for 535,000 metres, which almost covers the distance between Paris and Frankfurt)
- 4,000,000 individual components

→ Transport of the parts

- The parts of the A380 are manufactured all over the world. The largest subsets are assembled in France, Germany, United Kingdom and Spain. The final assembly takes place in Toulouse.
- Airbus Beluga aircraft (5)
 - Vessels *Ville de Bordeaux* and *City of Hamburg*
 - Ships in the Garonne river
 - Land transport



Weight



If needed, the aircraft can be fully evacuated—all 853 passengers—in just 78 seconds using its 16 doors.

