



The giant of the skies

A380



AERTEC

EUROPE
LATIN AMERICA
MIDDLE EAST
NORTH AMERICA

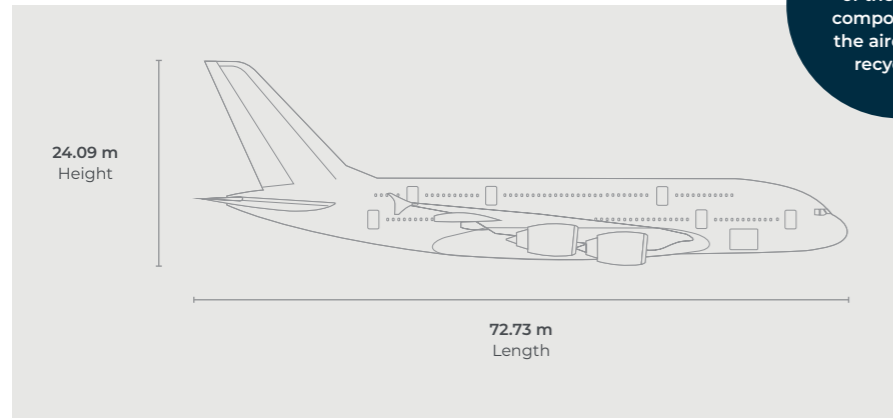
aertecsolutions.com



Every 4 minutes
an A380 takes off
or lands somewhere
around the globe

Measurements

Length & Height



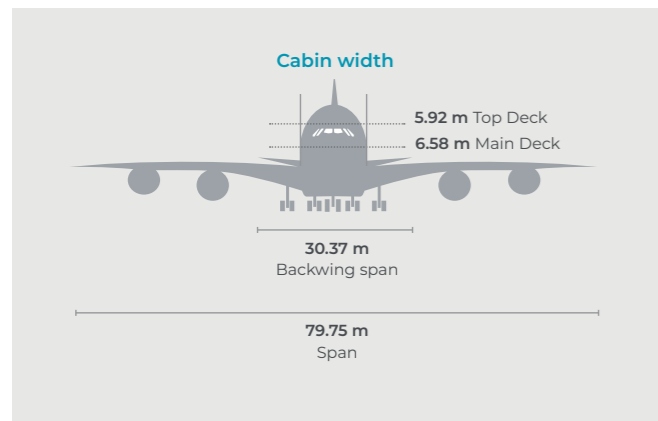
85%
of the overall
components of
the aircraft are
recyclable



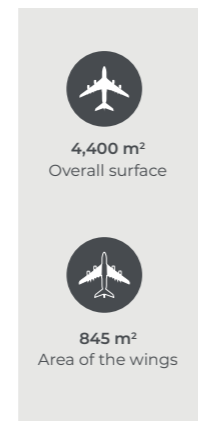
The first flight of the Wright brothers (37 m) was shorter than the wing span of an A380's wing

There are more than
120 A380s of 13 airlines

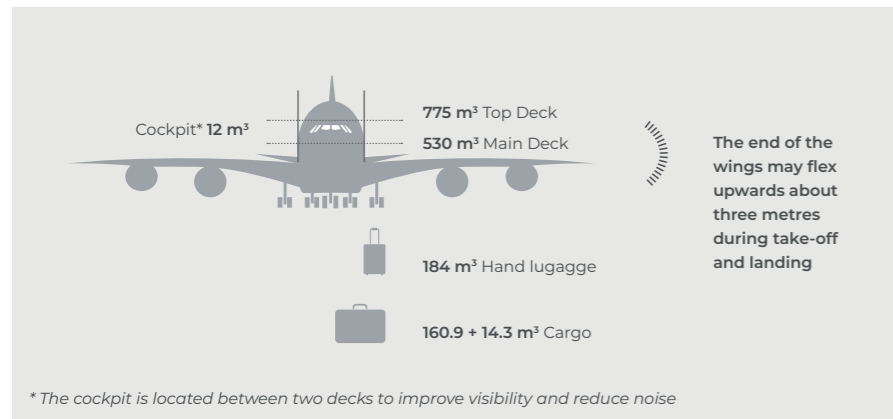
Width



Surface



Volume



Weight



The air in the cabin is completely renewed every 3 minutes

Features

· Service ceiling	13,115 m
· Range	15,700 km (8500 mn)
· Cruise speed	Mach 0,85 (90 0km/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)

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



Should it be necessary, the aircraft carrying 853 passengers may be evacuated in only 78 seconds through its 16 doors

Configuration

Based on the catalogue, airlines may choose from 11 different A380 internal layouts, including potential customisations and any other extravagances. Some special configurations:

- 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

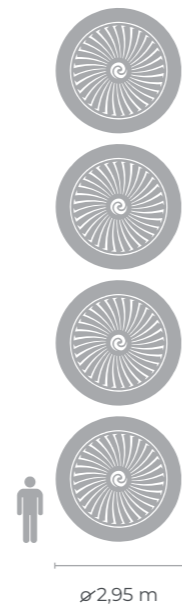
In-flight: 21 flight attendants for each route

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



∅2,95 m

