A350F - SHAPING THE FUTURE OF AIR FREIGHT

Key Figures

Payload: 109t
Range: up to 4,700nm at max payload
Transport capability:
- Engines
- Livestock
- Outsize/heavy cargo
- Courier area up to 10 pax

- The longest range most capable large freighter
- First to meet latest ICAO CO₂ emissions standard
- As new member of the A350 Family the A350F benefits from state-of-the-art technologies, aerodynamics and unrivalled operational flexibility and reliability
- Benefits from Airbus commonality concept in crews, spares and engines

Orders & commitments

- Orders: 11 orders including 4 aircraft from CMA-CGM and 7 aircraft from Air Lease Corporation (ALC)
- Commitments: Letter Of Intent (LOI) from Singapore Airlines (SIA) for seven A350F and from Air France KLM group for four A350F

Main characteristics

- The Airbus A350F is the world's first new generation freighter
- Based on the world’s most modern platform and the long-range leader, the A350-1000 powered by Rolls-Royce Trent XWB 97K engine
  - it offers unrivalled operational flexibility and efficiency with high reliability (99.5% for the pax version) - Latest technology, lowest operating costs
  - With an optimized fuselage length for cargo operation and a large main deck cargo door
  - and over 70% of the airframe made of advanced materials resulting in a 30t lighter take-off weight vs direct competitor aircraft
- The A350F serves all cargo market models (Express, general cargo, special cargo...) in the large freighter category
- Large freighter up to 109t payload - 11% more volume than competitor aircraft
- with a range of 4,700nm (at max payload)
● The A350F is the only freighter that meets the latest ICAO CO2 emissions standard that will come into effect end 2027

Product features
● Extra large rear main deck cargo door (146.5" x 124" / 3810mm x 3721 mm) with an opening angle of 65° that enables:
  ○ Large engines transportation (T1000 / T7000 / TXWB / GE9X)
  ○ long pallets loading
● Balanced aircraft for ground operations: CG range, cargo loading, no tail tipping
● The best option for general freight and express international markets
  ○ General cargo layout:
    ○ Main deck: 30 pallets 96 x 125"
    ○ Lower deck: 12 pallets 96 x 125"
  ○ Express layout:
    ○ Main deck: 30x AM-base containers
    ○ Lower deck 40x LD3 containers
● Reinforced and more capable main deck cargo floor.
● Optimised and modern Cargo Loading System (CLS)
● Fine temperature control per compartment on both decks
● Powered by new generation Rolls-Royce Trent XWB 97K engine
● includes state-of-the-art technologies and aerodynamics
● Latest technology in the cockpit - Wi-Fi Tablet Electronic Flight Bag (EFB) - Dual head-up display - Runway Overrun Prevention.
● New courier area up to 11 seats (10 PYC* seats + 1 CAS **) separated from main deck by a rigid barrier wall
● Quietest in its class with 50% noise footprint reduction vs previous generation aircraft

Community benefits
● Compliant with most stringent ICAO Chapter 14 for noise and CAEP/8 for NOx
● 20% less fuel burn and 20% lower CO2 emissions vs. competitor aircraft*
● Meets newly adopted ICAO CO2 emissions standard Applicable to current production aircraft after 31st December 2027
Technical Data

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<tr>
<th>Freighter</th>
<th>Courier area</th>
<th>Max structural payload</th>
<th>Max range</th>
<th>Wing Span</th>
<th>Overall length</th>
<th>Overall height</th>
<th>MTOW</th>
<th>MLW</th>
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<tbody>
<tr>
<td>A350F</td>
<td>up to 11 occupants (10 PYC* seats + 1 CAS **)</td>
<td>109 t</td>
<td>4,700 nm at max structural payload</td>
<td>212ft 5in’</td>
<td>64.75 m</td>
<td>232ft 4in’</td>
<td>70.8 m</td>
<td>56ft 1in’</td>
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* Premium economY Class
**Cabin Attendant Seat

Programme main dates

- 2021 A350F launch
- 2025 Target EIS

Airbus A350F vs Boeing 777F
Compared to that aircraft, the A350F has:
- 11% more volume (71 m3 ~3.5 main deck pallets)
- 3t more payload / 30t lighter take-off weight
- 300nm more range at equivalent payload
- 20% better economics (lower cash operating cost) per tonne
- New engine technology and aerodynamically optimised design
- 20% less fuel burn and 20% lower CO2 emissions vs B777F
- The only freighter meeting the 2027 ICAO emissions standard
- Fly-by-wire and the most modern cockpit & avionics flying today
- Airbus A350 family commonality in crew, spares and operations

Airbus A350F vs Boeing 747-400F
- Same volume
- Lighter airframe: 32t lighter empty weight
- Up to 30% lower cash operating cost per tonne
- About 40% less fuel burn and 40% lower CO2 emissions vs B747F

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