

January 2013

**A350 XWB: SHAPING EFFICIENCY**

The A350 XWB is an all new family of mid sized wide-body airliners to shape the efficiency of medium-to-long haul airline operations, overcoming the challenges of volatile fuel prices, matching rising passenger expectations and addressing increasing environmental concerns.

**One market-matching family**

The A350 XWB Family consists of three passenger versions with true long-range capability of flying up to 8,500nm/15,580km. In a typical three-class configuration, the A350-800 will offer 270 seats while the A350-900 and the A350-1000 will offer 314 and 350 seats respectively.

With one aircraft available in three different sizes, airlines can best match their A350 XWB fleets to route capacity demands, guaranteeing optimum revenue potential. Pilots can fly all three versions with the same certification, further maximizing airline profitability.

**A comfortable, efficient cabin, five inches wider than 787**

The A350 XWB offers a very quiet and extremely comfortable cabin. At 220 inches/5.58 meters from armrest to armrest, the cabin provides a wide 18 inch seat in-line with the best comfort standards. For increased passenger comfort the A350 XWB is five inches/12.7cm wider than the Boeing 787, and with up to 35 more seats, the A350 XWB offers a potential revenue advantage of 10 percent or more.

Passengers will enjoy more headroom, wider panoramic windows, and larger overhead storage space. Crews will be able to relax when off-duty in extremely comfortable crew rest compartments located in the crown area, well outside the revenue generating cabin space.

**25 percent better fuel efficiency and operating costs versus the 777**

The A350 XWB brings together the very latest in aerodynamics, design and advanced technologies to provide a 25 percent step-change in fuel efficiency compared with the Boeing 777, and six percent better compared with the 787.

Over 70 percent of the A350 XWB's weight-efficient airframe is made from advanced materials combining composites (53 percent), titanium and advanced aluminium alloys. The aircraft's innovative all-new Carbon Fibre Reinforced Plastic (CFRP) fuselage results in lower fuel burn as well as easier maintenance. The A350 XWB benefits from Airbus' high level of expertise in incorporating composite material into its aircraft.

Robust state-of-the art systems also help lower maintenance costs which, combined with the aircraft exceptional fuel efficiency, provides a seat-mile cost advantage of 25 percent compared with the Boeing 777, and around eight percent better compared with the 787. The A350 XWB's commonality in engines, systems and spare parts throughout the family helps reduce operating costs even further.

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Airbus recognises the need for the sustainable development of air travel. The environment will benefit from the efficiency inherent in the A350 XWB Family. Next generation Rolls-Royce Trent XWB engines and state-of-the-art aerodynamics help reduce emissions well below current and anticipated future regulatory levels. Carbon dioxide (CO<sub>2</sub>) emissions per passenger will be up to 25 percent lower than with current generation aircraft in this category and exterior noise levels will be as much as 15 EPNdB (Effective Perceived Noise Decibel) below ICAO Chapter-4 requirements. Airbus forecasts a demand over the next 20 years for some 6,900 new twin-aisle passenger and freighter aircraft.

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