



Rolls-Royce

Trent XWB

Optimised for the Airbus A350 XWB Family



TRENT XWB

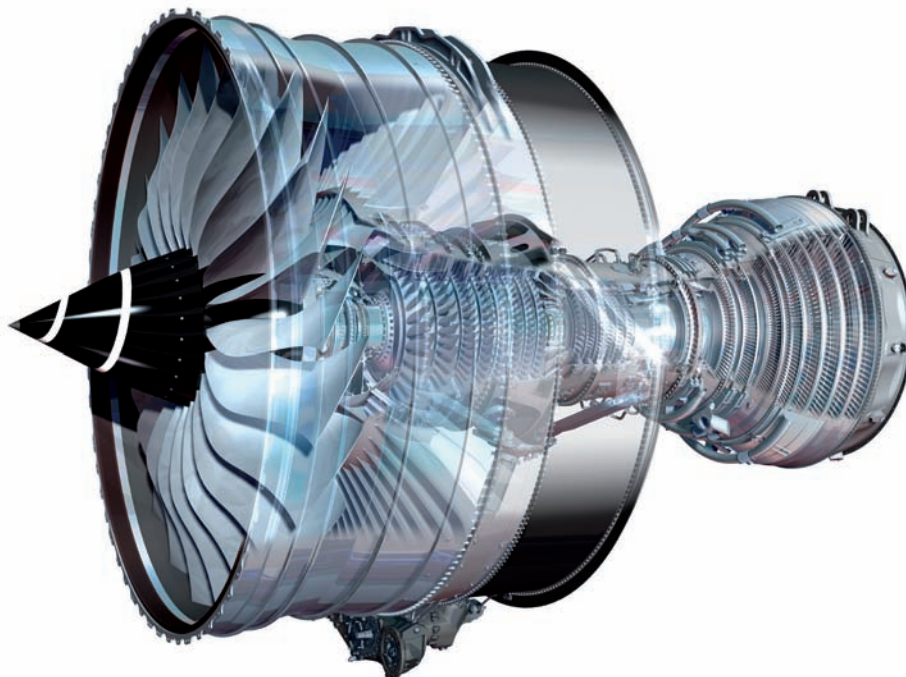
Trent XWB

Optimised for the Airbus A350 XWB Family

The Trent XWB is the world's most efficient civil turbofan.

Designed specifically for the A350 XWB and now demonstrated through engine testing, the Trent XWB is setting new standards of efficiency, lifecycle cost and environmental impact. These attributes have made it the fastest-selling widebody engine ever.

- Single engine type for the whole A350 XWB Family
- Designed for lowest operating cost
- Incorporating leading-edge technology
- Most environmentally friendly engine available
- World-class service solutions – TotalCare®
- Building on 80 million hours of Trent® family experience



SLS, flat rated to ISA +15°C

Thrust 75,000 - 97,000lb

Fan diameter 118in

Stages Fan, 8 IPC, 6 HPC, 1 HPT, 2 IPT, 6 LPT

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The Trent XWB has been designed specifically for the Airbus A350 XWB and will be the sixth member of the highly successful Trent family. The engine will be available with a thrust of up to 97,000lb. The first engine ran on schedule on 17 June 2010, with entry into service in 2014.

The Trent XWB uses the successful three-shaft architecture of Rolls-Royce engines and the detailed design will reflect 80 million hours of Trent family in-service experience. It also incorporates the latest technology from research and demonstrator programmes giving a low risk solution with the best combination of performance, reliability and operating costs.

State of the art design features include blisks, contra-rotation, low hub-tip ratio swept fan, advanced compressor aerodynamics, next generation clearance control and new materials technology. These will ensure that the Trent XWB will deliver exceptional lifecycle fuel-efficiency, maximise revenue potential, minimise disruption and reduce environmental impact.

The Trent XWB will offer world-beating reliability, dependability and predictability in airline operation from day one, proven by a rigorous development and maturity demonstration programme. Intelligent Engine Health Monitoring will facilitate pro-active maintenance, in order to eliminate operational disruption.

The Trent XWB is on target to deliver. The first development engines are demonstrating better than expected fuel efficiency and excellent temperature margins. Over 100,000lb thrust has already been successfully achieved.

The Trent XWB is the fastest selling widebody engine ever. With over 1,100 engines on order from 35 customers, the Trent XWB has sold more than twice the number of any comparable engine, at this stage of the programme.



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