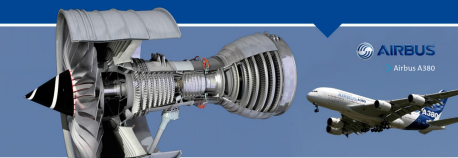




Trent 900

The clear market choice for the A380

The Trent 900 is the engine of choice for the Airbus A380, with two thirds of operators selecting the engine. It delivers the lowest lifetime fuel burn and has excellent environmental attributes. The Trent 900 will continue to deliver customer benefits as part of an evolving



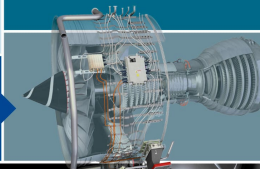
AIRBUS
Airbus A380



The most environmentally friendly engine on the Airbus A380

Most reliable engine for the Airbus A380

Easy and quick maintenance with fan case mounted accessories

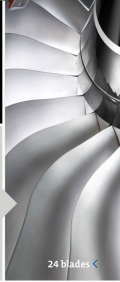


Trent family engines have accumulated **75 million service hours** – this is equivalent to travelling from the Sun to Pluto more than 19 times



leading technology

The engine's 24 fan blades are to a swept design that reduces the effect of shock waves, as the tip of the fan rotates supersonically, making it lighter, quieter and more efficient.



24 blades <

The cooling system employed in each turbine blade is so effective that if the technology were applied to an ice cube, it would be able to survive indefinitely inside a domestic oven at its highest temperature.



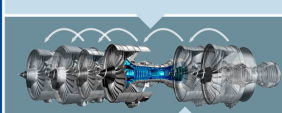
Higher efficiency is achieved through advanced 3D compressor, turbine aerodynamics and for the first time in a civil application **contra-rotation of the high pressure shaft**.

continuous improvement

As the fourth generation of the Trent family of engines, the Trent 900 benefits from our ability to feed back low-risk new technology from other Trent family engines.



> higher efficiency



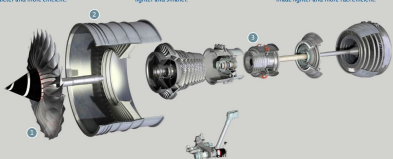
1.6 per cent improved fuel burn delivered



1. 24 fan blades are to a swept design that reduces the effect of shock waves, as the tip of the fan rotates supersonically, making it lighter, quieter and more efficient.

2. Fan containment system is also the first to be manufactured from Titanium and does not need the additional Kevlar wrap, making it lighter and smaller.

3. At the core of the engine, the high pressure shaft rotates in the opposite direction to the other two shafts, meaning the engine can be made lighter and more fuel efficient.



Trent 900 Technical Data
Configuration: Three-shaft turbofan
Thrust: 70,000–77,000 lbf
Bypass Ratio: 7.3–8.5
Overall Pressure Ratio: 39:1
Fan: 24 blades, 136" diameter

Intermediate Pressure Compressor: 6 stages
High Pressure Compressor: 6 stages
Nozzle: QC 2 departures / QC 6.5 arrivals
High Pressure Turbine: Single stage
Intermediate Pressure Turbine: Single stage
Low Pressure Turbine: 5 stages