



Rolls-Royce

BR725

Clean, efficient power for ultra-long-range business jets



BR725

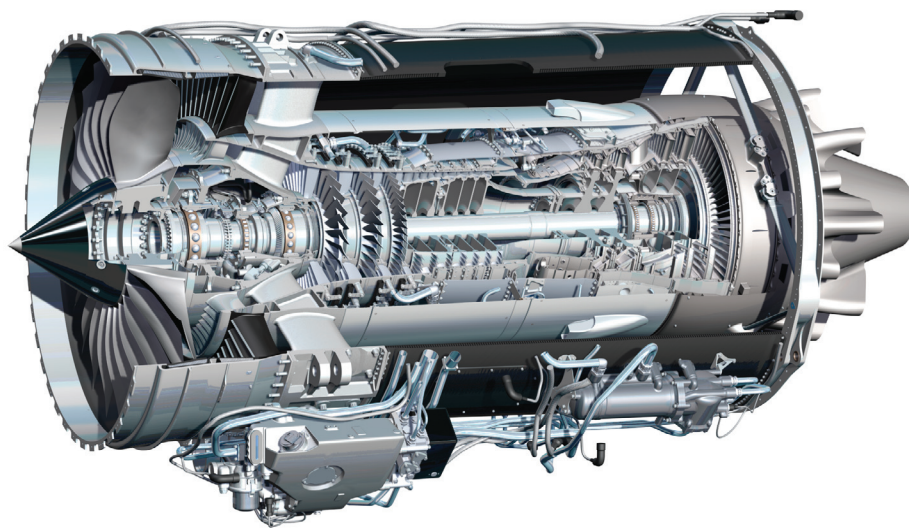
BR725

In a class of its own

The BR725 redefines the top-end of the market for the most powerful business jet powerplants. It builds on the design of the highly successful BR700 family and incorporates the latest Rolls-Royce technology.

With its outstanding performance levels, environmental friendliness and reduced maintenance requirements the BR725 sets new standards for the ultra-long range business jet market.

- Higher thrust and improved performance
- More payload and increased range
- Cleaner and quieter operations
- Longer life and reduced maintenance requirements
- From the market leader in business jet engines
- World-class service solutions – CorporateCare®



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SLS, flat rated to ISA 30°C/86°F

Thrust 15,000 - 17,000lb

Fan diameter 50in

Bypass ratio 4.4

Length 202in

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The BR725 will be certificated in 2009 and is scheduled to enter into service in 2012 on the G650, the first member of Gulfstream's new flagship family of high-speed, ultra-long-range business jets.

Incorporation of latest technology leads to improved performance, higher efficiency, environmental friendliness and longer life. The new 50-inch diameter swept fan is based on world-class Rolls-Royce Trent fan design. The ten-stage compressor incorporates the latest aerodynamic improvements and five stages of blisks. Based on the proven BR715 design the combustor provides significantly lower emissions. The two-stage shrouded high-pressure turbine uses advanced aerodynamic design and the latest materials. The three-stage low-pressure turbine and exhaust mixer provide increased performance at lower noise levels. An all composite nacelle and a new thrust reverser allow for higher flow and increased reverse thrust.

Rolls-Royce is the world's leading supplier of business jet engines. No other manufacturer has more experience in this market. The BR725 continues the Rolls-Royce tradition of providing engines optimised for corporate applications.

Environmentally friendly with reduced emissions, the BR725 will set the standard in environmental performance for years to come.

Lower maintenance and life cycle costs through significantly increased maintenance intervals and the elimination of a mid-life inspection.

Manufactured by Rolls-Royce in Germany, the BR725 is supported by the industry-leading global Rolls-Royce support network and CorporateCare® engine management service.



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