

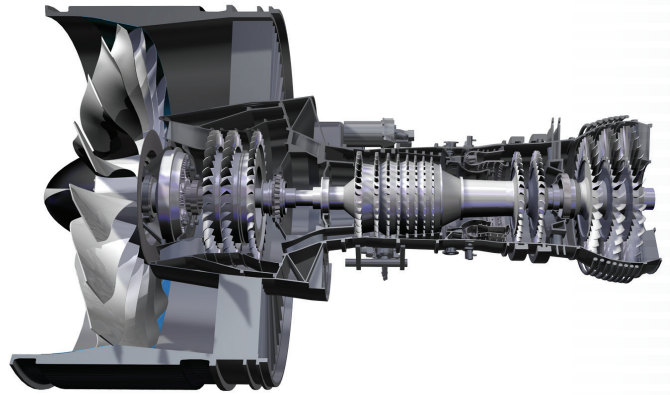
PurePower[®] PW1500G Engine



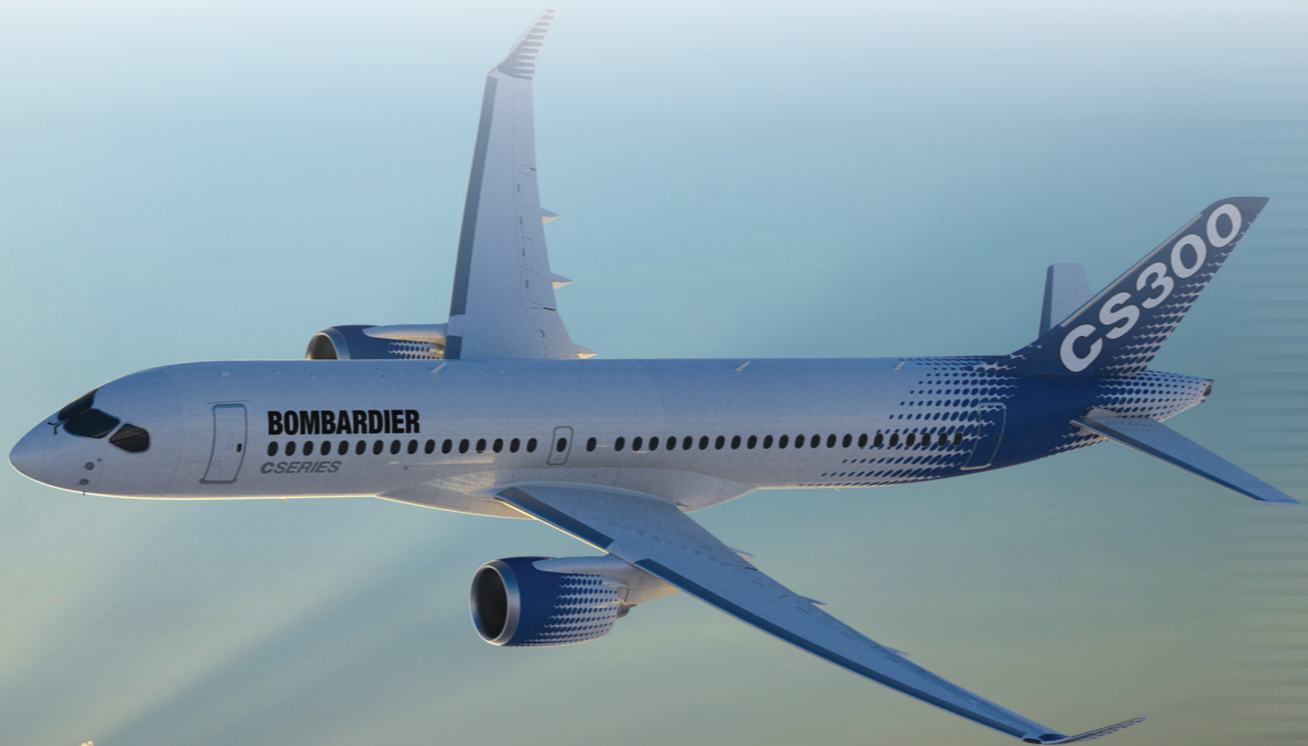
Exclusive Power for the Bombardier[®] CSeries[®]

- Double-digit fuel burn reduction
- 50% reduction in noise
- Low emissions

The PurePower PW1500G engine is the exclusive power plant for the Bombardier CSeries, with entry into service scheduled for 2016. The PurePower PW1500G engine contributes to the exceptional economic benefits of the CSeries, which delivers 20% fuel burn advantage over in-production aircraft. Our geared engine architecture reduces the number of stages and parts while simultaneously improving efficiency. The PW1500G engine's environmental benefits are equally impressive: 20 dB margin to Chapter IV noise with high-efficiency components and advanced combustor technologies that slash CO₂ and NO_x emissions.



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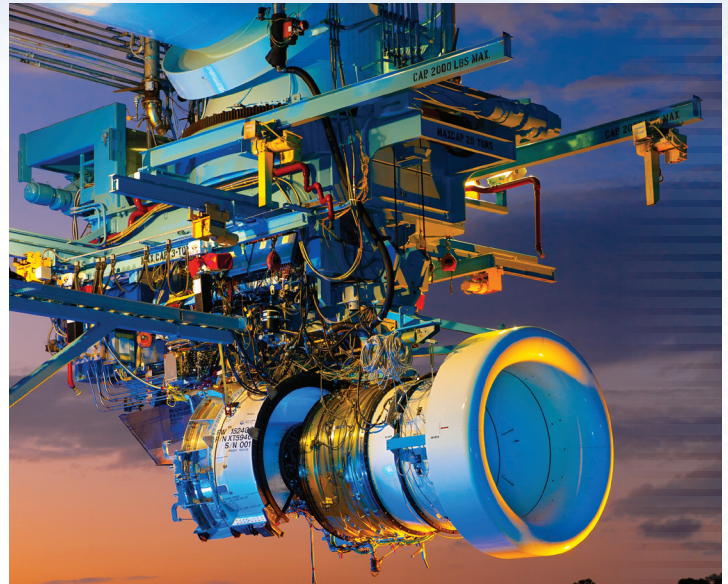


PurePower® PW1500G Engine for the Bombardier CSeries

The PurePower PW1500G engine is the exclusive power plant for the Bombardier CSeries. The geared architecture combined with the all-new, advanced PurePower engine core enables the PW1500G engine to deliver significant economic and environmental benefits, without compromise.

The PW1500G received Engine Certification in February 2013, becoming the first certified engine in the PurePower engine family, and the World's highest bypass ratio certified turbofan, supporting entry into service in 2016.

Pratt & Whitney. **A generation ahead™**



www.pw.utc.com

www.purepowerengine.com www.facebook.com/purepowerengine <https://twitter.com/purepowerengine> www.youtube.com/purepowerengine

Product Facts

Program Milestones

Sept 2010	PW1500G First Engine to Test
June 2011	PW1500G First Flight
Feb 2013	PW1500G Engine Certification
Sept 2013	CSeries First Flight
Dec 2015	CS100 Aircraft Certification
2016	CSeries Entry into Service powered by PW1500G

Characteristics	PW1519G	PW1521G	PW1524G	PW1525G*
Diameter, fan tip, in.	73	73	73	73
Stages	1-G-3-8-2-3	1-G-3-8-2-3	1-G-3-8-2-3	1-G-3-8-2-3

Nominal Performance—Sea level, static

Takeoff thrust, lbs.	19,000	21,000	23,300	23,300
Bypass ratio	12:1	12:1	12:1	12:1
Flat-rated temp., °C	ISA+15	ISA+15	ISA+15	ISA+15

Aircraft Installation	CS100	CS100 CS300	CS100 CS300	CS100 CS300
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*Provides up to 5% additional thrust for non-static conditions