

PurePower[®]

PW1700G & PW1900G Engines

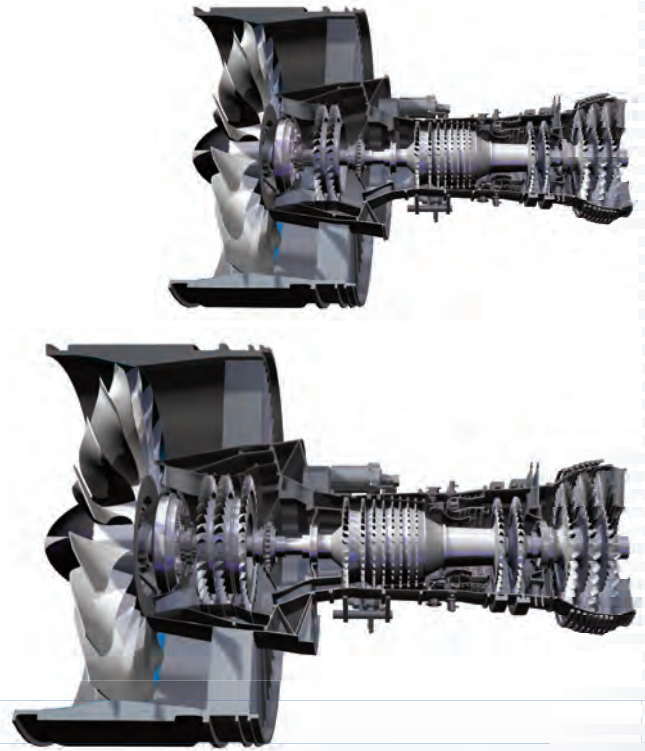


Exclusive Power for the E-Jets E2

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

Embraer selected Pratt & Whitney PurePower engines to power the E-Jets E2, with entry into service scheduled for 2018. The PurePower PW1700G and PW1900G engines offer significant economic and environmental savings over existing engines, bringing exceptional performance to the E-Jets E2. Our geared engine architecture reduces the number of stages and parts while simultaneously improving efficiency.

With two models, the PW1700G and PW1900G engines provide optimized engines across the E-Jets E2 models, delivering high maturity and maximum benefit across the family.



PurePower® PW1700G & PW1900G Engines for the E-Jets E2

The PurePower PW1700G and PW1900G engines are the exclusive power plants for the E-Jets E2. The geared architecture, combined with the all-new, advanced PurePower engine core enables the PW1700G and PW1900G engines to deliver significant economic and environmental benefits, without compromise.

Utilizing the PW1000G engine family test program experience, the PW1700G and PW1900G engines benefit from millions of hours of experience at EIS, providing Dependable Engines for the E-Jets E2.



Pratt & Whitney. A generation ahead™



www.pw.utc.com

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Product Facts

Program Milestones

Dec 2012	Engine Selection
June 2015	PW1900G First Engine To Test
May 2016	E190-E2 First Flight
2018	Entry Into Service (E190-E2)
2019	Entry Into Service (E195-E2)
2020	Entry Into Service (E175-E2)

Characteristics	PW1700G	PW1900G
Diameter, fan tip, in.	56	73
Stages	1-G-2-8-2-3	1-G-3-8-2-3

Nominal Performance—Sea level, static

Takeoff thrust, lbs.	Up to 17,000	Up to 23,000	Up to 23,000
Bypass ratio	9:1	12:1	12:1
Flat-rated temp., °C	ISA+15	ISA+15	ISA+15

Aircraft Installation	E175-E2	E190-E2	E195-E2
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