

# PurePower<sup>®</sup> PW1100G-JM Engine

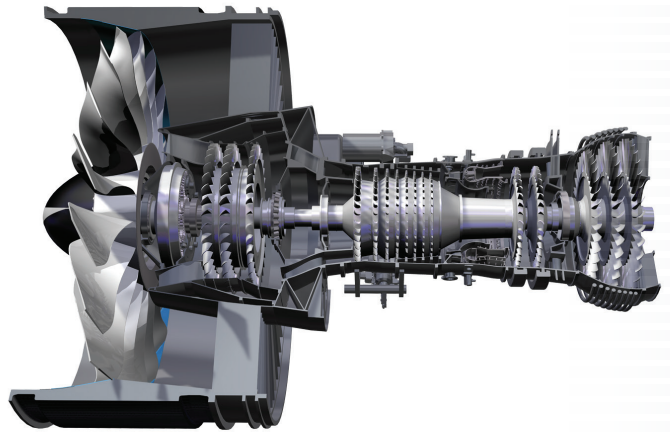


## Greenest Engine on the Airbus A320neo

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

Airbus selected the award-winning Pratt & Whitney geared turbofan™ engine as the launch engine on the A320neo (new engine option) aircraft family. The ultra-efficient PurePower PW1100G-JM engine delivers double-digit improvements in fuel efficiency, reduces noise by 50% and slashes CO<sub>2</sub> and NO<sub>x</sub> emissions.

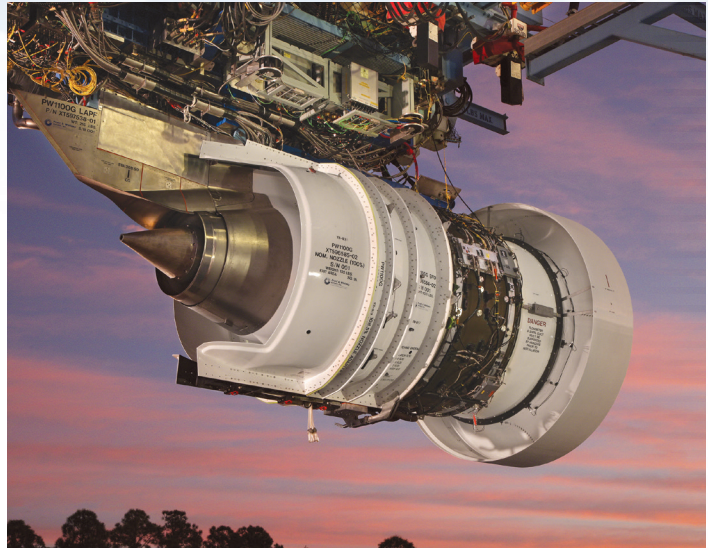
The PW1100G-JM engine's exceptional environmental performance goes hand in hand with a reduction in engine cash operating cost, as it has been designed for maintenance, with fewer stages and lower parts count. The geared architecture combined with the advanced PurePower engine core enables our game-changing engine to deliver on all fronts, without compromise.



# PurePower® PW1100G-JM Engine for the A320neo

The PurePower PW1100G-JM engine offers the greenest engine option on the A320neo. With 15% fuel burn and CO<sub>2</sub> emissions reduction, the PW1100G-JM engine sets the standard.

With 50% margin to CAEP/6 and 35% margin to CAEP/8, the PW1100G-JM engine meets today's and future requirements for NO<sub>x</sub> emissions. A 15 dB margin to Stage IV noise requirements sharply reduces noise impact on communities and enhances cabin comfort.



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## Product Facts

### Program Milestones

Nov 2012	PW1100G-JM First Engine to Test
May 2013	PW1100G-JM First Flight
Sept 2014	A320neo First Flight
Dec 2014	PW1100G-JM Engine Certification
Nov 2015	A320neo Aircraft Certification
Jan 2016	A320neo Entry into Service
Mar 2016	A321neo First Flight
Dec 2016	A321neo Aircraft Certification

Characteristics	PW1124G-JM	PW1127G-JM	PW1133G-JM
Diameter, fan tip, in.	81	81	81
Stages	1-G-3-8-2-3	1-G-3-8-2-3	1-G-3-8-2-3
Bypass ratio	12.5:1	12.5:1	12.5:1
Flat-rated temp., °C	ISA+36	ISA+32	ISA+15

Aircraft Installation	A319neo	A320neo	A321neo
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