



GO BEYOND

PRATT & WHITNEY

GTF

GEARED TURBOFAN

COMMERCIAL ENGINES

FAMILY

A UNITED TECHNOLOGIES COMPANY

PRATT & WHITNEY
GTF

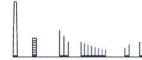
COMMERCIAL ENGINES



AIRCRAFT



FAN DIAMETER



ARCHITECTURE



BYPASS RATIO



POUNDS OF THRUST

PW1200G

POWERING THE MITSUBISHI REGIONAL JET



56"

1-G-2-8-2-3

9:1

15K - 17K

PW1700G

POWERING THE EMBRAER E-JETS E175-E2



56"

1-G-2-8-2-3

9:1

14K - 17K

PW1900G

POWERING THE EMBRAER E-JETS E190-E2 & E195-E2



73"

1-G-3-8-2-3

12:1

19K - 23K

PW1500G

POWERING THE AIRBUS A220



73"

1-G-3-8-2-3

12:1

19K - 25K

PW1400G-JM

POWERING THE IRKUT MC-21



81"

1-G-3-8-2-3

12:1

28K - 31K

PW1100G-JM

POWERING THE AIRBUS A320NEO



81"

1-G-3-8-2-3

12:1

24K - 33K

LPT STAGES
HPT STAGES
HPC STAGES
LPC STAGES
FIDS
FAN

**DOUBLE
DIGIT**

REDUCTION IN
FUEL CONSUMPTION

UP TO

75%

REDUCTION IN
NOISE FOOTPRINT

UP TO

50%

REDUCTION IN
NO_x EMISSIONS

FROM CAEP/6

THE PRATT & WHITNEY GTF™

The Pratt & Whitney GTF family is the next generation of commercial jet engines - delivering outstanding performance with a simple architecture and unmatched runway for growth. The Fan Drive Gear System enables the fan to spin three times slower than the low pressure compressor and turbine, enabling an industry highest 12:1 bypass ratio while dramatically reducing overall stage and part count. Running the fan and the turbines at optimal speeds allows our expert engineers to unlock improvements in each part of the engine. The results are simple - double digit reductions in fuel efficiency, noise and emissions - all at entry to service. Helping to launch five new aircraft, the GTF has delivered on each of its performance promises in service around the world. Recognized across the industry as the architecture of the future, the GTF has altered the landscape in aviation history, **and it's just getting started.**

CONTACT US

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pwgtf.com