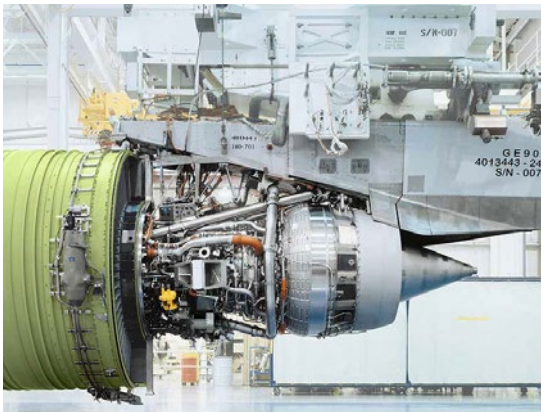


Panorama

TAKING OFF: THE TOP 5 JET ENGINES



© GE Aviation

What are the strongest jet engines used in civil aircraft worldwide? VDMAimpulse looked into this question and compiled a list of the five most powerful aircraft engines.

1st place: GE Aviation GE90-115B

Rated number one on our list of the top 5, the GE90-115B developed by GE Aviation boasts the following technical data:

Thrust: 514 kN
 Type: Turbofan engine
 Fan diameter: 3.256 m
 Number of compressor stages: 1 fan, 4 low-pressure, 9 high-pressure stages
 Number of turbine stages: 2 high-pressure, 6 low-pressure stages
 Dry weight: 8,761 kg
 Licensed: July 2003
 Applications: Boeing 777-300ER, -200LR, 777 Freighter

2nd place: Pratt & Whitney PW4098

Thrust: 440.6 kN
 Type: Two-spool turbofan engine
 Fan diameter: 2.87 m
 Number of compressor stages: 1 fan, 7 low-pressure, 11 high-pressure stages
 Number of turbine stages: 2 high-pressure, 7 low-pressure stages
 Dry weight: 7,484 kg
 Licensed: August 1999
 Applications: Boeing 777

3rd place: Rolls-Royce Trent 895-17

Thrust: 413.4 kN
 Type: Turbofan jet engine
 Fan diameter: 2.79 m
 Number of compressor stages: 1 fan, 8 intermediate pressure, 6 high pressure
 Number of turbine stages: 1 high pressure, 1 intermediate pressure, 5 low pressure
 Dry weight: 5,942 kg
 Licensed: June 1999
 Applications: Boeing 777

4th place: Rolls-Royce Trent XWB-84

Thrust: 374.5 kN

Type: Turbofan jet engine

Fan diameter: 3.00 m

Number of compressor stages: 1 fan, 8 intermediate pressure, 6 high pressure

Number of turbine stages: 1 high pressure, 2 intermediate pressure, 6 low pressure

Dry weight: 7,277 kg

Licensed: February 2013

Applications: Airbus A350-900

5th place: Rolls-Royce Trent 980-84

Thrust: 374.1 kN

Type: Turbofan jet engine

Fan diameter: 2.95 m

Number of compressor stages: 1 fan, 6 medium-pressure, 6 high-pressure stages

Number of turbine stages: 1 high-pressure, 1 medium-pressure, 5 low-pressure stages

Dry weight: 6,246 kg

Licensed: October 2004

Applications: Airbus A380-800

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Further Information

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About VDMAimpulse

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