

EJ200

Power for the Eurofighter Typhoon

The EJ200 turbofan engine is a collaborative engine developed by EUROJET which comprises Rolls-Royce, MTU, Avio and ITP. The EJ200 is Europe's commitment to meeting the power requirements of the next generation of high performance military aircraft.

The technology of the EJ200 engine makes it both smaller and simpler in layout than current powerplants of a similar thrust class, while giving it lower fuel consumption and an unprecedented power to weight ratio—all vital factors in enhancing the multi-mission performance and effectiveness of combat aircraft.

Among the most advanced features of the EJ200 are a fan design that gives high stability without the need for Inlet Guide Vanes (IGVs), the application of blisks, wide-chord aerofoils, single crystal blades, an airspray combustion system and an integral Full Authority Digital Engine Control (FADEC) providing low pilot workload and comprehensive fleet management capability.

Two EJ200 engines power the Eurofighter Typhoon achieving a combined thrust of over 40,000lbf. Over 1,300 engines are due for delivery to the Eurofighter Typhoon customers of the United Kingdom, Germany, Italy, Spain and Austria.

The first series production Eurofighter Typhoon aircraft were flown in February 2003 and are now in operation with the UK, German, Italian and Spanish airforces. During service, EJ200 will match or exceed the most demanding international standards for operational support required by the US, Europe and other International customers.

- Thrust range from 13,500lbf non-reheated to 20,000lbf with reheat
- Europe's leading combat engine
- Over 1,300 engines to be produced
- EJ200 powered Eurofighter Typhoon deliveries ongoing

Engine Specification

Engine	EJ200
Thrust (lbf)	20,000 (reheated)
Bypass ratio	0.4
Pressure ratio	26
Length (in)	157
Diameter (in)	29
Basic weight (lb)	2,180
Compressor	3LP, 5HP
Turbine	1HP, 1LP
Applications	Eurofighter Typhoon

