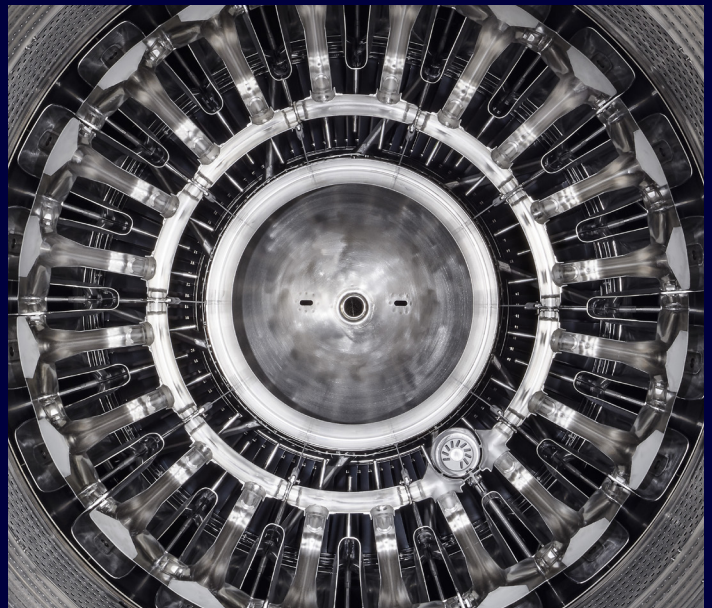GE Aerospace

F110

Turbofan engine family

The engine of choice for frontline fighters around the world

Today's F110 engine offers maximum mission capability for the latest generation of F-16 and F-15 Advanced aircraft. The latest F110 models, the -129 and -132 engines, feature technology upgrades including Service Life Extension Program (SLEP) hardware and a 6,000 total accumulated cycle (TAC) capability that significantly increase engine availability and reduce life-cycle costs. GE Aerospace's F110 has also demonstrated world-class durability in hot and harsh environments through significant improvements in engine hot section hardware.

The F110 family powers 70% of today's U.S. Air Force frontline F-16 combat aircraft and 100% of its new fly-by-wire F-15EX Eagle II fleet. The F110 is also the engine of choice for allied air forces around the world, with Bahrain, Bulgaria, Jordan, Qatar, and Taiwan recently selecting the engine to power their F-15 and F-16 aircraft. Additionally, the F110 offers future power and performance growth capabilities to meet the needs of emerging combat aircraft.

Applications

Lockheed Martin F-16C/D Fighting Falcon

Boeing F-15EX Eagle II

Lockheed Martin F-16E/F Fighting Falcon

Mitsubishi F-2 Viper Zero

Performance specifications

F110	English		SI	
	-129	-132	-129	-132
Thrust class	29,000 lb	32,500 lb	129 kN	142 kN
Length	182.3 in	185.3 in	4.6 m	4.7 m
Airflow	270 lb/sec	275 lb/sec	122.4 kg/sec	124.7 kg/sec
Maximum diameter	46.5 in	46.5 in	1.2 m	1.2 m
Bypass ratio	.76	.68	.76	.68