GE Energy

6FA Gas Turbine Mid-Sized F Technology (50 and 60 Hz)

fact sheet

High Output and Efficiency

GE Energy's 6FA gas turbine meets the demand for mid-size, high-efficiency, and low life cycle-cost power generation, and is well suited for industrial applications and limited 50 Hz or 60 Hz grid support. The 6FA also delivers flexibility in cycle configuration, fuel selection, and site adaptation. With more than 2,500,000 operating hours and over 100 units shipped, the 6FA gas turbine has a proven record of reliability and availability, while also offering the operating flexibility needed for harsh environments.

The 6FA is the mid-sized member of GE's F-technology family. With over 30 million fired hours across all F-technology units, GE is well established as the global leader in advanced gas turbine operating experience.

Proven Technology with a Wide Range of Applications

A direct down-scaling of the proven 7FA, the 6FA currently offers an electrical output of 77.1 MW with 135 MWth exhaust energy. In combined cycle service, the machine has an output of 118.4 MW with 55% efficiency.

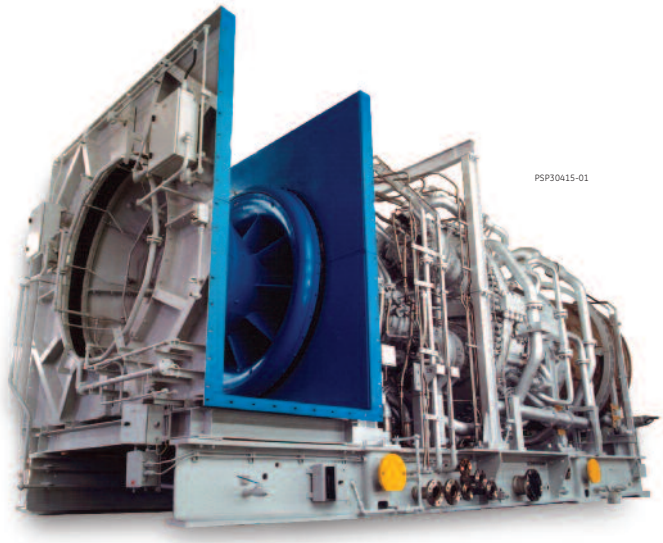
With its output range, high exhaust energy, and robust qualities, GE's 6FA gas turbine is suited for both base load or cyclic duty, in a variety of installations including district heating, industrial/oil and gas cogeneration and grid stabilization.

6FA Performance

	Net Plant Output	Net Plant Efficiency
SC	77.1 MW	35.5%
CC	**106FA Configuration**	
	118.4 MW	55.0%
	206FA Configuration	
	239.4 MW	55.6%

Features

- Cold-end drive/axial flow exhaust
- 18 stage axial compressor/3 stage turbine
- Pressure ratio: 15.8
- DLN 2.6 combustion system, achieving 15 ppmvd NO_x @ 15% 0_2, 9 ppmvd CO @ 15% O_2 down to 50% load with natural gas, up to 12/24kFH combustion inspection intervals
- Exhaust temperature/energy: 603°C (1117°F)/135 MWth
- Starting time less than 25 minutes
- Mark* VIe controls



For more information, contact your GE representative or visit ge.com/energy.

Printed on recycled paper. GEA-13378F (11/2009)