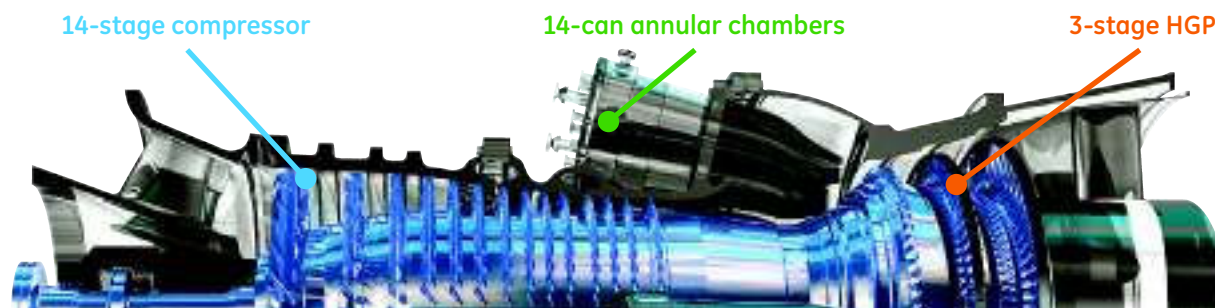


7F.05 Gas Turbine – The Next Generation F-Class Workhorse

To meet the increasingly dynamic operating demands of today’s global energy industry, power producers are looking for flexible, efficient and reliable technology to partner with renewables.

- Positioned to meet customer demands for flexible cyclic operation by delivering power with **advanced start-up** and **extended turndown** capability, **fast ramp rate**, and **low life-cycle costs** in peaking, cyclic, and continuous operation.
- Flexibility is enhanced by a **proven compressor** with **removable blades**. The 3D aerodynamic compressor with super-finish airfoils delivers **improved fuel efficiency** with **less long-term degradation**.
- The DLN 2.6 combustion system provides proven operating flexibility on a **wide range of natural gas or distillate fuel** compositions.
- The air-cooled turbine hot gas path has advanced cooling and sealing technologies to improve efficiency and provide the lowest lifecycle cost in its class.

Technical Data					
Model	GT output	1x1 CC output	2x1 CC output	3x1 CC output	CC efficiency
GE GT-7F.05	227 MW	343 MW	688 MW	1033 MW	> 59%



Compressor

- Variable IGVs plus three rows of Variable Stator Vanes (VSV)
- 18.2:1 pressure ratio
- 3D aero airfoils with super-finish for improved efficiency and reduced deterioration
- Field-replaceable blades for improved maintainability

Combustor

- DLN 2.6 combustor
- 9 ppm NO_x and CO emissions
- Emission Compliant Turndown: 36% baseload
- Auto-tune capability accommodates wider fuel variation
- Low fuel pressure reduces need for on-site fuel compression

Turbine

- 3-stage turbine
- 3D aero air-cooled hot gas path
- Single crystal and directionally solidified (DS) blades
- Reduced oxidation and creep
- Improved cooling and sealing