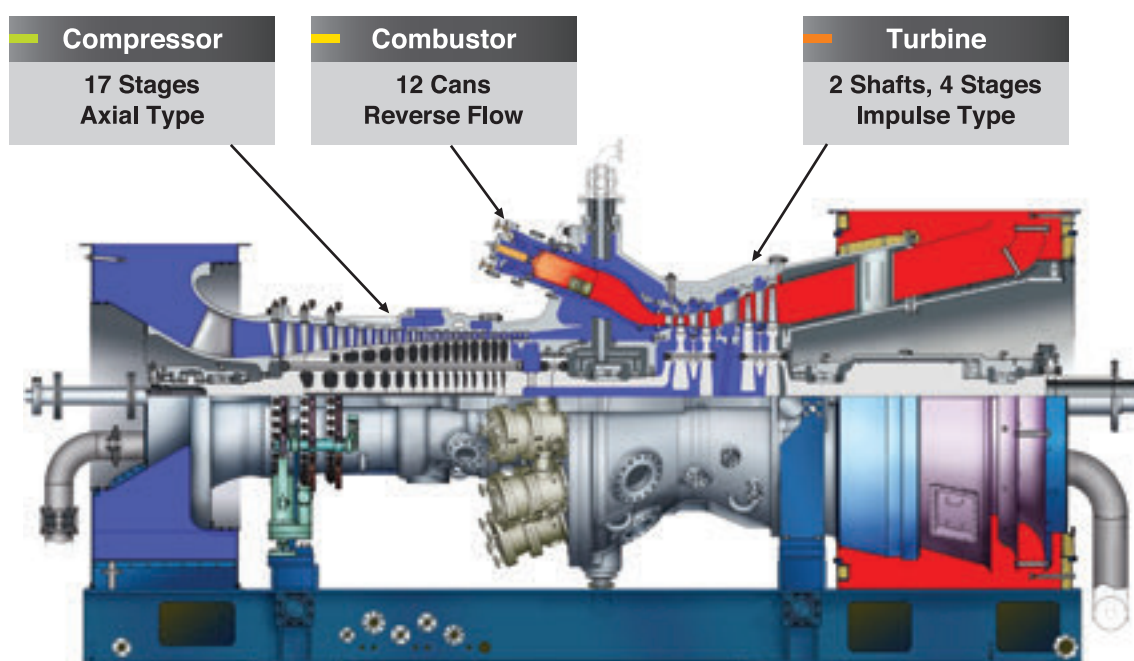


MHPS Gas Turbine H-50

H-50 Features

- 50MW Class Heavy Duty Gas Turbine
- High Efficiency
- Environmentally Friendly Combustion System
- Suitable for Cogeneration and Combined Cycle Power Plant
- Applicable for Mechanical Drive
- Proven engine based on scale down design to reliable H-100

H-50 Gas Turbine



Simple Cycle Performance - 50Hz/60Hz

Item	Unit	
Output	MW	57.4
Efficiency	%(LHV)	37.8
Heat Rate	kJ/kWh	9,508
	Btu/kWh	9,013
Ex. Flow	kg/s	151
Ex. Temp.	deg.C	564
Dimension	LWH (m)	8 x 4 x 4
Weight	ton	75

Combined Cycle Performance - 50Hz/60Hz

Item	Unit	1-1-1	2-2-1
Total Plant Output	MW	82.0	166.3
Gas Turbine Output	MW	55.9	55.9 x 2
Steam Turbine Output	MW	26.1	54.5
Gross Efficiency	%(LHV)	54.4	55.2

-All ratings are defined at ISO standard reference conditions: 101.3kPa, Ambient Temp. 15 deg.C and 60%RH.
 -All ratings are at the generator terminals and based on the natural gas fuel.



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