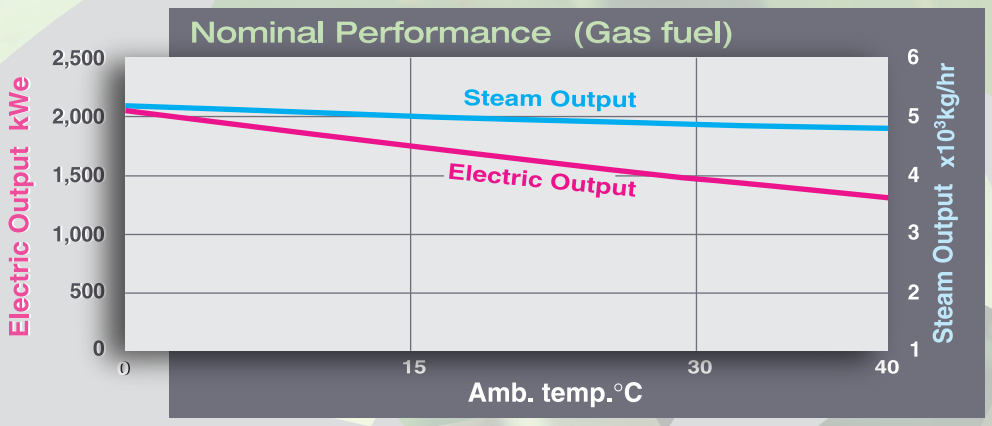
Kawasaki
Co-Generation system

GPB17D

Electric Power 1.7MWe, Steam 5.0t/h, Dry Low Emissions

High efficiency : electric 27.4%, overall 80.4%
Dry low emissions : NOx 9/15ppmv, CO 50ppmv (O_2 = 15%)
High reliability & easy maintenance



Amb.temp. °C (°F)	Electric Output kWe	Heat Rate kJ/kWe-hr	Steam Output x10³kg/hr	Electrical Efficiency %	Total Thermal Efficiency %
0 (32)	2,050	12,460	5.2	28.9	78.6
15 (59)	1,755	13,120	5.0	27.4	80.4
40 (104)	1.305	14,930	4.7	24.1	83.0

Nominal Performance

Elevation	: 0 m
Inlet Air Temperature	: 15 °C
Inlet Air Pressure Loss	: 0.98 kPa
Exhaust Gas Pressure Loss	: 2.45 kPa
LHV of Natural Gas Fuel (100% CH4)	: 35.9 MJ/Nm3

Typical Steam Condition

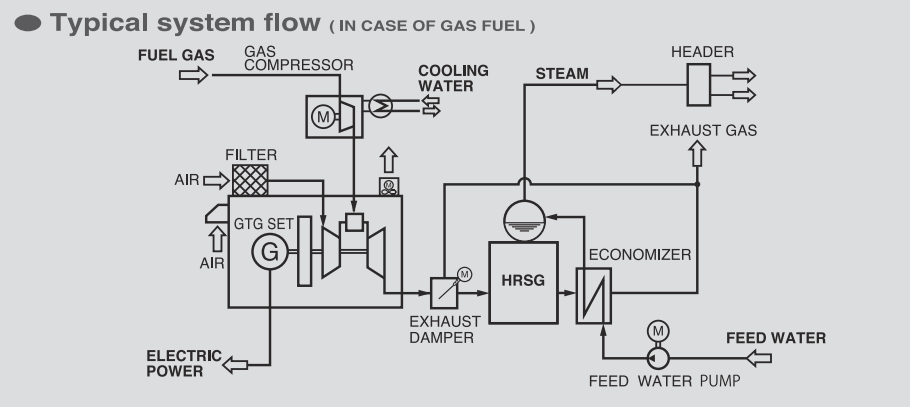
Steam Pressure	: 0.83 MPaG
Steam Temperature (Saturated)	: 177 °C
Feed Water Temperature	: 80 °C
Blowdown from HRSG	: 0 %

GREEN
Gas Turbines

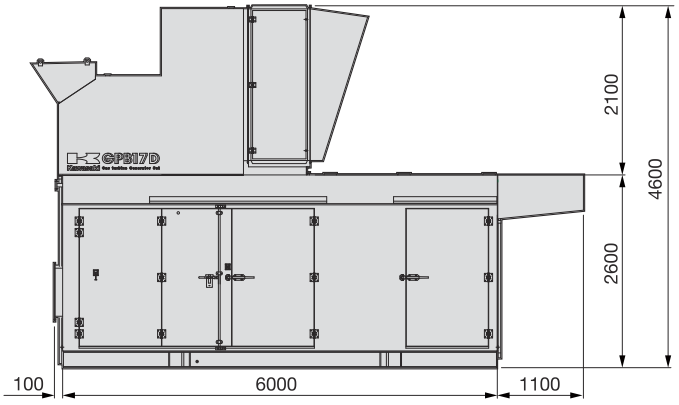
GPB17D

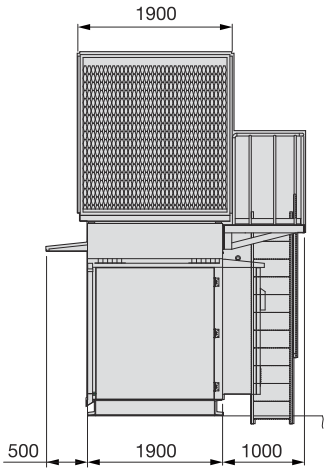
KAWASAKI CO-GENERATION SYSTEM

Typical system flow (IN CASE OF GAS FUEL)

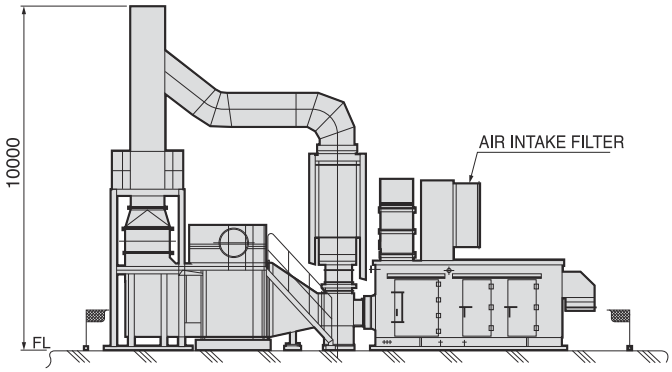


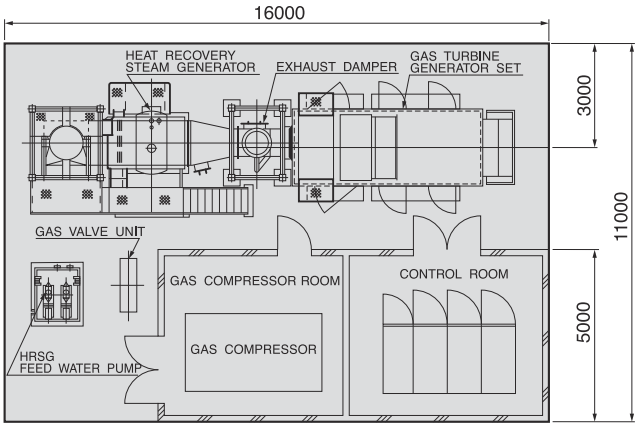
Typical Package Outlook (Unit:mm)





Typical Layout (Unit:mm)





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global.kawasaki.com/en/energy/equipment/gas_turbines/index.html

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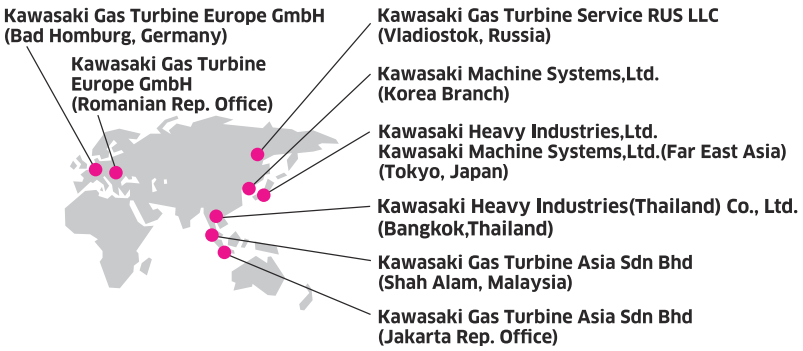

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