

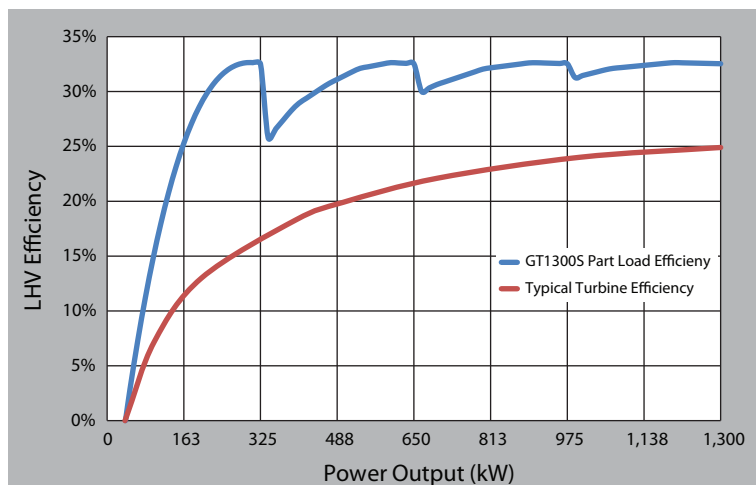
FlexEnergy 1.3 Megawatt Highly Efficient Ultra Low Emission Power Package



- High electrical efficiency over a wide operating range
- Part load redundancy and demand response control
- Built with the same proven technology as the GT333S
- Integrated Utility synchronization and protection
- Remote Monitoring and FlexCare fixed maintenance plans available

ELECTRICAL PERFORMANCE*

CHARACTERISTIC	SPECIFICATION
Electrical efficiency	33% LHV
Electrical power	1300 kW
Nominal Heat Rate (LHV)	10,490 Btu/kWh (11.1 MJ/kWh)
Nominal Heat Rate (HHV)	11,540 Btu/kWh (12.1 MJ/kWh)
Voltage	480 VAC / 400 VAC
Frequency	60 Hz / 50 Hz
Type of Service	3 phase, wye, 4 wire



* At ISO Conditions (59°F [15°C], sea level, 60% RH); high pressure natural gas
 Electrical efficiency tolerance: +1/-2.5 pts
 Electrical power tolerance: ± 50kW
 Elevation derate of approximately 3.5% per 1000 ft (305 m)

HEAT RECOVERY*

CHARACTERISTIC	SPECIFICATION
Exhaust temp	507°F (264°C)
Engine air flow	19.8 lb/s (9.2 kg/s) 15,560 scfm (25,000 Nm ³ /h)
Max available heat	7.6 MMBtu/h (2,224 kW)

* At ISO conditions; four drivetrains operating at full power
 Available heat based on exhaust recovery down to 59°F (15°C)

FUEL REQUIREMENTS*

CHARACTERISTIC	SPECIFICATION
Fuel Consumption (LHV)	13.6 MMBtu/h (3,996 kW)
Inlet pressure	75 to 140 psig (517 to 965 kPag)
Acceptable Fuel Range (LHV)	325 to 1900 WI Btu/ft ³ 12.1 to 70.7 WI MJ/m ³

* Consumption at ISO conditions; four drivetrains operating at full power
 WI - Wobbe Index Lower heating value (LHV)

PHYSICAL SPECIFICATIONS

	WIDTH	LENGTH	HEIGHT	WEIGHT
Turbine Package	96 in 244 cm	480 in 1219 cm	124 in 315 cm	48,000 lb 21,818 kg
GBR - One per Drivetrain	43 in 110 cm	63 in 160 cm	21 in 78 cm	595 lb 270 kg
Ambient Temperature Range	-20° to 115°F (-29° to 46°C)			

SOUND LEVELS

Turbine Package	69 dB(A) @ 10 m
GBRs	65 dB(A) @ 10 m

EMISSIONS AT 100% LOAD*

NOx	5 ppmv @ 15% O ₂
CO	5 ppmv @ 15% O ₂
VOC	5 ppmv @ 15% O ₂

* Pipeline natural gas only at ISO conditions. May differ based on site conditions.