

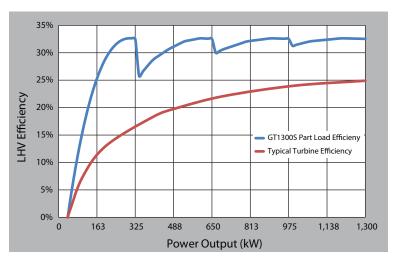
FlexEnergy 1.3 Megawatt Highly Efficient Ultra Low Emission Power Package



- 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 ($59^{\circ}F$ [$15^{\circ}C$], sea level, 60% RH); high pressure natural gas Electrical efficiency tolerance: $\pm 1/-2.5$ pts Electrical power tolerance: $\pm 50kW$ Elevation derate of approximately 3.5% per 1000 ft (305 m)

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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

Turbine	96 in	480 in	124 in	48,000 lb
Package	244 cm	1219 cm	315 cm	21,818 kg
GBR - One per	43 in	63 in	21 in	595 lb
Drivetrain	110 cm	160 cm	78 cm	270 kg
Ambient Temperatur	e Range	-20°	to 115°F (-2	29° to 46°C)

WIDTH LENGTH HEIGHT

SOUND LEVELS

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

EMISSIONS AT 100% LOAD*

NOx	<9 ppmv @ 15% O ₂
CO	<9 ppmv @ 15% O ₂
VOC	<9 ppmv @ 15% O ₂

^{*} Pipeline natural gas only at ISO conditions

WEIGHT