

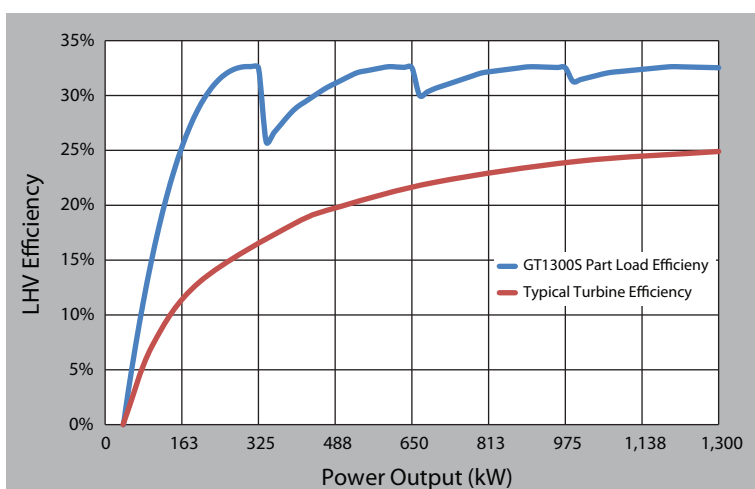
## FlexEnergy 1.3 Megawatt Highly Efficient Ultra Low Emission Power Package



- 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 Nm³/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/ft³ 12.1 to 70.7 WI MJ/m³

\* 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	<9 ppmv @ 15% O₂
CO	<9 ppmv @ 15% O₂
VOC	<9 ppmv @ 15% O₂

\* Pipeline natural gas only at ISO conditions