

**STM PowerUnit™ Model F0260 055F - 50 Hz¹
Low Energy Gaseous Fuels 400-590 Btu/scf (LHV)**

TECHNICAL SPECIFICATIONS DATA SHEET

F0260 055F Performance	CHP	Power Only
<ul style="list-style-type: none"> ▪ ²Electrical Output ▪ Electrical Only Efficiency ▪ Efficiency with Thermal Heat Recovery 	48 kWe 29% 78%	48 kWe 29% N/A
<ul style="list-style-type: none"> ▪ Heat Input Rate (LHV) ▪ Fuel Delivery Pressure 	12,414 kJ/kWh (11,766 Btu/kWh) 12.4-15.2 kPa (1.8-2.2 psig)	12,414 kJ/kWh (11,766 Btu/kWh) 12.4-15.2 kPa (1.8-2.2 psig)
<ul style="list-style-type: none"> ▪ ³Cooling System: Cooling and CHP Options ▪ Engine Cooling System Flow Rate ▪ Engine Cooling Water Temperature ▪ Total Heat Rejected to Coolant ▪ ⁴Maximum Recovery Temperature (CHP) ▪ ⁴Nominal CHP Cooling System Flow 	204 L/min (54 gpm) 58°C (136°F) 81 kWth (277,000 Btu/hr) 48°C (119°F) 61 L/min (16 gpm)	204 L/min (54 gpm) N/A N/A N/A N/A
<ul style="list-style-type: none"> ▪ Generator Type ▪ Speed ▪ Output Voltage ▪ Power Quality ▪ Power Factor ▪ Temperature Rise 	Continuous Duty Induction 1,500 RPM 380/400/415 VAC 3Ø, 50 Hz 3% THD 0,77 Class F Insulation 105°C	Continuous Duty Induction 1,500 RPM 380/400/415 VAC 3Ø, 50 Hz 3% THD 0,75 Class F Insulation 105°C
<ul style="list-style-type: none"> ▪ Exhaust Flow ▪ Maximum Exhaust Backpressure 	7.6 Nm ³ /min @ 220°C (270 scfm @ 430°F) 0.747 kPa (3" W.C.)	
<ul style="list-style-type: none"> ▪ Emissions 	NOx 1.0 lb/MWh (0.48 g/bhp-hr); CO 1.9 lb/MWh (0.61 g/bhp-hr)	
<ul style="list-style-type: none"> ▪ Noise Level (Standard Enclosure) 	64 dBA @ 7 m (without radiator)	66 dBA @ 7m (with radiator)

All data is based on fuel with a LHV of 17.72 MJ/Nm³ (450 Btu/scf).
 All specifications corrected to ambient conditions of 1 atm, 15°C.
 Ambient operating limits - 30 to 50°C (-22 to 122°F).
 Consult rockenergy for altitude and temperature derate information.

¹See separate sheet for 60Hz data.

²Power Output +/- 5%.

³Contact rockenergy for Cooling and CHP configurations.

⁴Temperature and flow based on STM provided heat exchanger.