STM PowerUnit™ Model F0260 055F - 50 Hz[1]
Natural Gas 918 Btu/scf (LHV)

TECHNICAL SPECIFICATIONS DATA SHEET

F0260 055F Performance	CHP	Power Only
▪ [2]Electrical Output ▪ Electrical Only Efficiency ▪ Efficiency with Thermal Heat Recovery	48 kWe 30% 82%	48 kWe 30% N/A
▪ Heat Input Rate (LHV) ▪ Fuel Delivery Pressure	12,000 kJ/kWh (11,373 Btu/kWh) 12.4-15.2 kPa (1.8-2.2 psig)	12,000 kJ/kWh (11,373 Btu/kWh) 12.4-15.2 kPa (1.8-2.2 psig)
▪ [3]Cooling System: Cooling and CHP Options ▪ Engine Cooling System Flow Rate ▪ Engine Cooling Water Temperature ▪ Total Heat Rejected to Coolant ▪ [4]Maximum Recovery Temperature (CHP) ▪ [4]Nominal CHP Cooling System Flow	 204 L/min (54 gpm) 58°C (136°F) 83 kWth (281,000 Btu/hr) 48°C (119°F) 61 L/min (16 gpm)	 204 L/min (54 gpm) N/A N/A N/A N/A
▪ 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
▪ Exhaust Flow ▪ Maximum Exhaust Backpressure	6.9 Nm^3/min @ 220°C (245 scfm @ 430°F) 0.747 kPa (3" W.C.)	
▪ Emissions	NOx 1.0 1b/MWh (0.32 g/bhp-hr); CO 6.0 1b/MWh (1.93 g/bhp-hr)	
▪ 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 36.15 MJ/Nm^3 (918 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.

[1]See separate sheet for 60Hz data.
[2]Power Output +/- 5%.
[3]Contact rockenergy for Cooling and CHP configurations.
[4]Temperature and flow based on STM provided heat exchanger.