

WhisperGen® EU1 microCHP Unit Technical Specification

General Details

Engine: 4 cylinder double-acting Stirling cycle
Main Burner: Premix surface burner
Auxiliary Burner: Premix surface burner
Generator: 4 pole single phase induction motor
Duty Cycle: 1 - 23 hour cycle
Installation Type: C63 (C13 or C33)
Electrical Supply: 230 V ~50 Hz (Nominal grid voltage)

Electrical Output

Nominal Mode: up to 1000 W

Heat Input

Nominal: 16.0 kW

Thermal Output

Minimum: 5.5 kW
Nominal Mode: up to 7.0 kW
Maximum: Over 14.0 kW

Power

Consumption (net)

Standby: 11W
Generating: 60 W (without circulating pump)

Fuel

Type: 2H-2nd family natural gas
Gas Category:

GB & IE	I _{2H} :	G20 at 20mbar
NL	I _{2L} :	G25 at 25mbar
DE & LU	I _{2E} :	G20 at 20mbar
DE	I _{2LL} :	G25 at 20mbar
FR & BE	I _{2E+} :	G20/G25 at 20/25mbar

Fuel Consumption

Maximum Burner Firing Rate: 1.55 m³/ hour

Central Heating System

Flow rate (nominal): 8.5 to 15 l/min.
Hydraulic Resistance: 15.5 L/min., $\Delta P < 233$ mbar
8.5 L/min., $\Delta P < 87$ mbar.
Type : Sealed pressurised
Max system pressure : PMS = Class 2; 3.0 bar maximum
Thermal Store System Flow Temperature: Maximum 75°C
Maximum Flow Temperature: 85°C