



Specification Date	Fuel Type	Model
01 March 2010	Natural Gas	Alfagy N260

Engine Specifications	Metric	Type
Manufacturer		SCHMITT ENERTEC
Name		SE-MB-1508-GTA45/70
Speed	min ⁻¹	1,500
Displacement	litres	15.08
Cylinders		V8
Air intake		Turbo
Generator		400V~/50Hz/Synchronous

Performance Data	Metric	100% Load	75% Load	50% Load
Electrical power ¹	kWe	260	195	130
Total heat recovery ²	+/- 8% kWt	335	266	191
Exhaust heat	+/- 8% kWt	129	101	73
Coolant heat	+/- 8% kWt	172	145	118
Mixture heat	+/- 8% kWt	34	20	0
Fuel input	+/- 5% kWt	689	536	378
Natural gas use ³	+/- 5% Nm ³	68.8	53.5	37.7
Electrical efficiency	%	37.8	36.2	34.4
Thermal efficiency	%	48.7	49.6	50.5
Total efficiency	%	86.5	86.0	84.9

System Parameters	Metric	Dimensions	Number	Result
Flow temperature	max °C			90
Return temperature	max °C			70
Gas connection	RP			2"
Heating water connection	DN/PN		x 2	65/16
Exhaust gas connection	DN/PN			150/6
Air requirement	Nm ³ / hour			8,170
Noise level with housing	dB(A) at 1 meter			70
Main dimensions	L x W x H in meters			3.6 x 1.45 x 2.45
Weight	kg			3,680
Gas composition	Separate data sheet			

¹ At 50Hz; U=0.4 KV; pf = 1; NO x < 250 mg/Nm³ & CO < 300 mg/Nm³

² Exhaust temperature at 120°C

³ Hu 10.02 kWh/Nm³

Note: Reference conditions are combustion air / ambient temperature 27°C & site altitude max. 300 meters above sea level; methane = 76%