



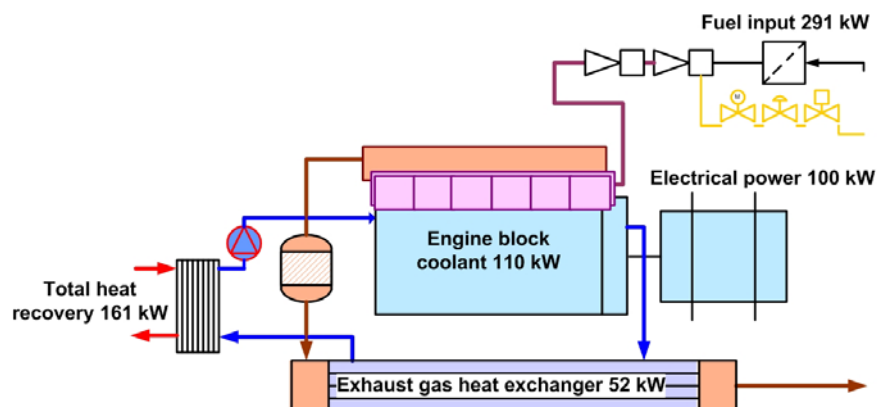
Specifications	Natural gas CHP	FMB-120-GSK
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Issue: 06.2010_001 data sheet

Engine specification		
Manufacturer		SCHMITT ENERTEC
Type		SE-MB-1206-GNA
Speed	min ⁻¹	1500
Displacement	Liter	11,97
Number of cylinders		6 / in line
Aspiration		Naturally aspirated engine: Lambda = 1
Generator		400V ~ / 50Hz / synchronous

Performance Data		100 %	75 %	50 %
Electrical power) ¹	kW	100	75	50
Total heat recovery) ²	+/- 8% kW	161	128	102
-Exhaust gas heat	+/- 8% kW	52	39	29
-Coolant heat	+/- 8% kW	110	89	73
-Mixture heat	+/- 8% kW	-	-	-
Fuel input	+/- 5% kW	291	228	174
Consumption natural gas (Hu 10,02 kWh / Nm ³)	+/- 5% Nm ³ / h	29,0	22,8	17,3
Electrical efficiency	%	34,4	32,9	28,8
Thermal efficiency	%	55,5	56,2	58,8
Total efficiency	%	89,9	89,1	87,6
CHP coefficient		6,19	0,56	0,48

System parameters		
Flow temperature	max. °C	90
Return temperature	max. °C	70
Gas connection	RP	2"
Heating water connection	DN / PN	2 x 65 / 16
Exhaust gas connection	DN / PN	125 / 6
Air requirement combustion + ventilation	Nm ³ / h	4.256
Noise level with housing	1m distance	70 dB(A)
Main dimensions	L x W x H [m]	3,6 x 1,05 x 2,05
Weight (approx.)	kg	3.200
Gas composition	separate data sheet	



)¹ at 50 Hz, U=0,4 KV, pf =1)² at exhaust gas temperature 120°

NOx < 250 mg/Nm, CO < 300 mg/Nm³

Reference conditions: Combustion air / ambient temperature >+5°C / <+27 °C; Altitude at site <300 m