



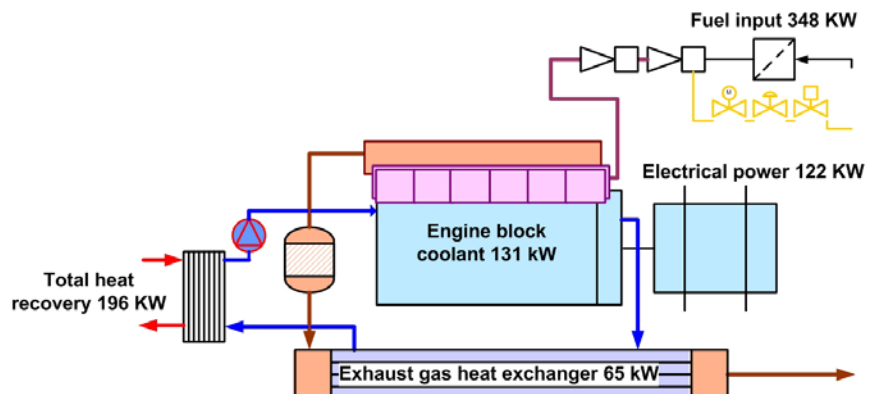
Specifications	Natural gas CHP	FMB-155-GSK
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Issue: 06.2010_001 data sheet

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	122	92	61
Total heat recovery) ²	+/- 8% kW	196	166	129
-Exhaust gas heat	+/- 8% kW	65	52	39
-Coolant heat	+/- 8% kW	131	114	90
-Mixture heat	+/- 8% kW	-	-	-
Fuel input	+/- 5% kW	348	283	213
Consumption natural gas (Hu 10,02 kWh / Nm ³)	+/- 5% Nm ³ / h	34,7	28,3	21,2
Electrical efficiency	%	35,1	32,5	28,7
Thermal efficiency	%	56,5	58,6	60,8
Total efficiency	%	91,6	91,1	89,5
CHP coefficient		0,62	0,55	0,47

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