



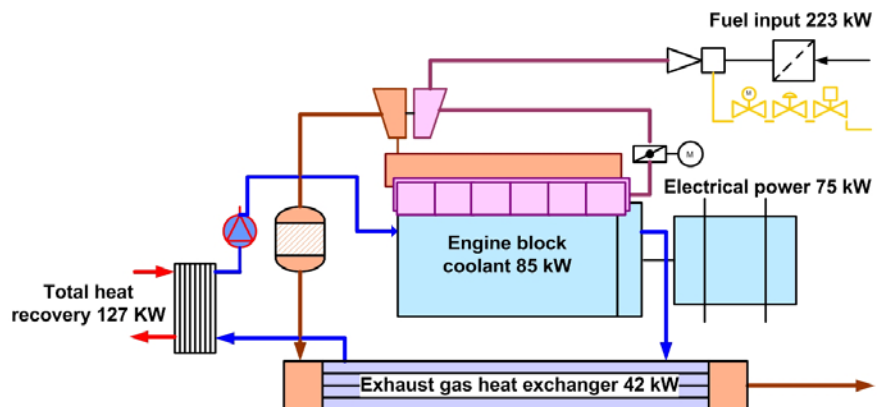
Specifications	Natural gas CHP	FMB-80-GSK
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Issue: 06.2010_001 data sheet

Engine specification		
Manufacturer		SCHMITT ENERTEC
Type		SE-IV0706-GTA
Speed	min ⁻¹	1500
Displacement	Liter	6,73
Number of cylinders		6 / in line
Aspiration		Turbo
Generator		400V ~ / 50Hz / synchronous

Performance Data		100 %	75 %	50 %
Electrical power) ¹	kW	75	56	38
Total heat recovery) ²	+/- 8% kW	127	110	78
-Exhaust gas heat	+/- 8% kW	42	33	23
-Coolant heat	+/- 8% kW	85	77	55
-Mixture heat	+/- 8% kW	-	-	-
Fuel input	+/- 5% kW	223	185	128
Consumption natural gas (Hu 10,02 kWh / Nm ³)	+/- 5% Nm ³ / h	22,2	18,4	12,8
Electrical efficiency	%	33,6	30,4	29,3
Thermal efficiency	%	56,8	59,7	60,5
Total efficiency	%	90,4	90,1	89,8
CHP coefficient		0,59	0,51	0,48

System parameters		
Flow temperature	max. °C	90
Return temperature	max. °C	70
Gas connection	RP	1"
Heating water connection	DN / PN	2 x 40 / 16
Exhaust gas connection	DN / PN	65 / 6
Air requirement combustion + ventilation	Nm ³ / h	2.924
Noise level with housing	1m distance	70 dB(A)
Main dimensions	L x B x H [m]	2,6 x 0,85 x 1,80
Weight (approx.)	kg	2.100
Gas composition	separate data sheet	



)¹ at 50 Hz, U=0,4 KV, pf =1)² at exhaust gas temperature 120°
 NOx < 250 mg/Nm³, CO < 300 mg/Nm³
 Reference conditions: Combustion air / ambient temperature >+5°C / <+27 °C; Altitude at site <300 m