



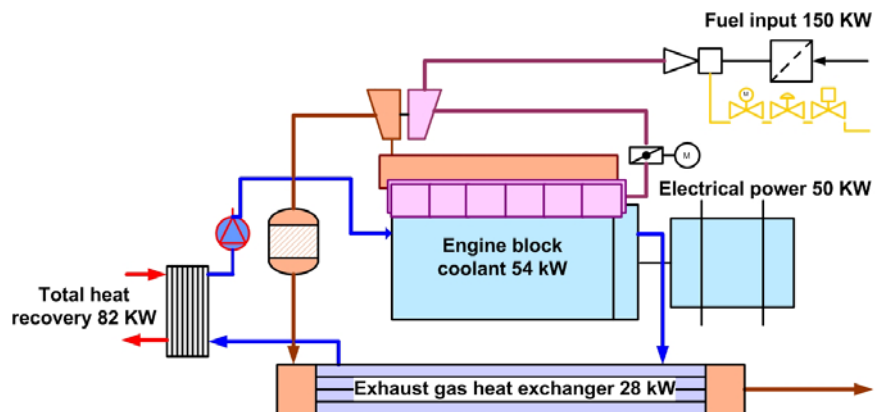
Specifications	Natural gas CHP	FMB-65-GSK
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Issue: 03.2010_001 data sheet

Engine specification		
Manufacturer		SCHMITT ENERTEC
Type		SE-IV-0504-GTA
Speed	min ⁻¹	1500
Displacement	Liter	4,5
Number of cylinders		4 / in line
Aspiration		Turbo
Generator		400V ~ / 50Hz / synchronous

Performance Data		100 %	75 %	50 %
Electrical power) ¹	kW	50	38	25
Total heat recovery) ²	+/- 8% kW	82	75	52
-Exhaust gas heat	+/- 8% kW	28	23	15
-Coolant heat	+/- 8% kW	54	52	37
-Mixture heat	+/- 8% kW	-	-	-
Fuel input	+/- 5% kW	150	128	88
Consumption natural gas (Hu 10,02 kWh / Nm ³)	+/- 5% Nm ³ / h	15,0	12,8	8,8
Electrical efficiency	%	33,2	29,3	28,6
Thermal efficiency	%	54,5	58,6	59,9
Total efficiency	%	87,8	87,9	88,4
CHP coefficient		0,61	0,50	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	2.793
Noise level with housing	1m distance	70 dB(A)
Main dimensions	L x B x H [m]	2,4 x 0,85 x 1,80
Weight (approx.)	kg	2.000
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