



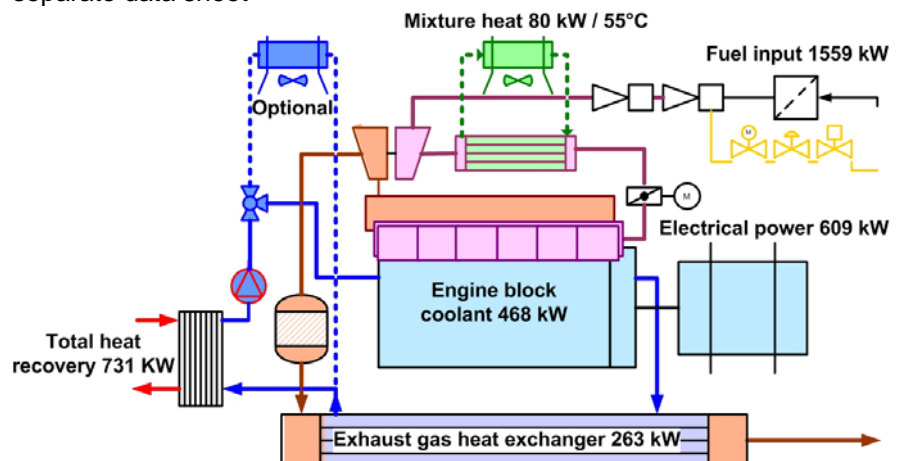
Specifications	Natural gas CHP	FMB-750-GSMK
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Issue: 06.2010_001 data sheet

Engine specification		
Manufacturer		SCHMITT ENERTEC
Type		SFGLD 360/55
Speed	min ⁻¹	1500
Displacement	Liter	36,0
Number of cylinders		12 / V
Aspiration	Lean burn turbo charged and external mixture cooling	
Generator		400V ~ / 50Hz / synchronous

Performance data		100 %	75 %	50 %
Electrical power) ¹	kW	609	457	305
Total heat recovery) ²	+/- 8% kW	731	583	408
-Exhaust gas heat	+/- 8% kW	263	205	151
-Coolant heat	+/- 8% kW	468	377	309
-Mixture heat	+/- 8% kW	80	45	15
Fuel input	+/- 5% kW	1.559	1.196	860
Consumption natural gas (Hu 10,02 kWh / Nm ³)	+/- 5% Nm ³ / h	155,6	119,3	85,8
Electrical efficiency	%	39,0	38,2	35,4
Thermal efficiency	%	46,9	48,7	53,4
Total efficiency	%	85,9	86,9	88,8
CHP coefficient		0,83	0,78	0,66

System parameters		
Flow temperature	max. °C	90
Return temperature	max. °C	70
Gas connection	DN / PN	80 / 16
Heating water connection	DN / PN	2 x 80 / 16
Exhaust gas connection	DN / PN	300 / 6
Mixture cooling connection	DN / PN	40 / 6
Air requirement combustion + ventilation	Nm ³ / h	10.761
Noise level with housing	1m distance	70 dB(A)
Main dimensions	L x W x H [m]	5,1 x 2,25 x 3,0
Weight (approx.)	kg	11.600
Gas composition	separate data sheet	



)¹ at 50 Hz, U=0,4 KV, pf = 1)² at exhaust gas temperature 120°
 NOx < 500 mg/Nm³ (Engine adjustment for 250 mg/Nm³ possible with deviating efficiency), CO < 300 mg/Nm³
 Reference conditions: Combustion air / ambient temperature >+5°C / <+27 °C; Altitude at site <300 m