

Data sheet CAHS D-HURRIKAN (OF)

General Data \ model	07/975	8,5/975	10/930
Thermal output 70/103 °C	208 kW	228 kW	237 kW
Thermal output 30/60 °C	35 kW	36 kW	34 kW
Recoverable thermal output ¹	243 kW	264 kW	271 kW
Fuel cosumption (Hu=10,0 kW/Nm³)	26,9 Nm³/h	29,2 Nm³/h	29,9 Nm³/h
Power requirement (kW)	4,0 kW		
BUS-System	Modbus TCP		
Remote maintenanceTCP/IP	Yes		
Engine			
Type	R6		
Engine displacement	8,4 L		
Engine Type	Naturally aspirated		
Brennstoffeinsatz ²	328 kW		
RPM, min ⁻¹	1800		
ISO standard power (mech.) ²	120 kW		
Engine cooling water heat quantity	111 kW		
Exhaust gas heat capacity 110 °C	75 kW		
Efficiency Thermal ²	56,7 %		
Efficiency Combined (el. + th.) ²	93,3 %		
Engine oil	semi-synthetic		
Lubrication oil consumption	60 g/Bh		
Filling capacity lubricant (max.)	45 + 150 L		
Compressor			
Manufacturer	Atlas Copco		
Heat recovery compressor	79 kW	86 kW	89 kW
outlet pressure, barg ³	7	8,5	10
Free air delivery (FAD), m³/min ³	16,3	16,3	15,6
Modulation / power control	60 - 100 %		
compressed air connection	DN 80 PN 16		

Gas supply		
Gas train	nach DIN	
Interface Gas	DN 40 (1,5")	
Gas flow pressure	30 - 50 mbar	
Air supply		
Combustion air mass flow	405 kg/h	
Air temperature	25 °C	
Exhaust		
Interface Exhaust	DN 150	
TA-Luft	yes	
Exhaust temperature	620 °C	
Condensate mass flow	108 kg/h	
Max. permissible back pressure	< 15 mbar	
flow rate, dry	349 Nm³/h	
mass flow, wet	428 kg/h	
Hydraulic integration	30/60	70/103 ⁴
Interface inlet/outlet	DN 50 (2")	DN 50 (2")
Norm in-/outlet temperatur	30 / 60 °C	70 / 103 °C ⁴
Standard flow rate	2 m³/h	6,1 m³/h
heating water pressure	2,5 bar (ü)	4 bar (ü)
Dimensions / Weight		
Dimensions (l×w×h), mm	3355x1400x2000	
Weight Module (w/o operating fluids)	3900 kg	
Dimensions housing (L×B×H), mm	3600x1630x2100	
Weight housing	650 kg	
Dimensions cabinet (L×B×H), mm	1200x1200x400	
Weight cabinet	130 kg	
Recommended concrete strength	C20/25	
Payload, qk	3,5 kN/m²	

¹ with a tolerance of ±7%; ² acc. to ISO 3046-1; ³ acc. to ISO 1217, Anh. D.

⁴ max. possible temperature up to 108 °C

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Noise emissions (incl. standard silencer)	
- Unit 1 m / 10 m	75 / 65 dB(A)
- Exhaust gas stack 10 m	67 dB(A)
Exh. emissions with catalytic converter	
NO _x	≤ 250 mg/Nm ³
CO	≤ 250 mg/Nm ³
HCHO	≤ 5 mg/Nm ³
Protection class	
- Unit	IP 23
- Unit with housing	IP 53
- Control cabinet	IP 55
Options	
Housing	yes
Additional silencer	yes
Emergency cooler	yes
Gas warning system	yes
Knock control	yes
Gross calorific value	yes
additional lubrication oil tank	yes
LTE / UMTS-modul	yes
BUS-converter	yes
heat meter (calibrated)	yes
Neutralisation plant	yes
Compressed air flow meter	yes
Containerised solution	yes
Remote control	yes
Directly heated adsorption dryers	yes
Master Control readynes	yes
Contribution, installation, commisioning	yes

Subject to technical changes