

Data sheet CAHS D-HURRIKAN



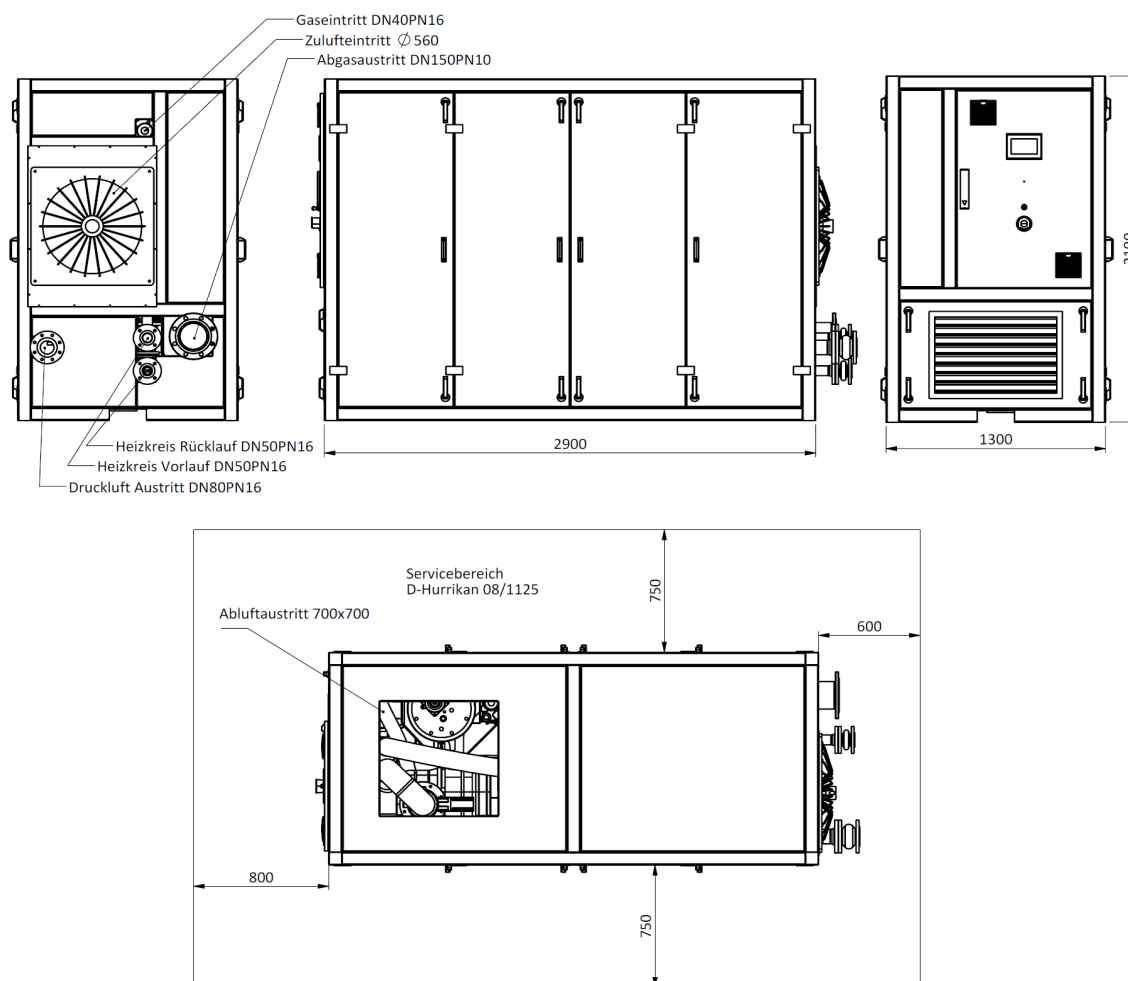
General Data \ model	07/1320	08/1170	10/1070	13/850
Recoverable thermal output ¹	214 - 356 kW			
Fuel cosumption (Hu=10,0 kW/Nm³)	31,6 Nm³/h			
Power requirement (kW)	3,5 kW			
BUS-System	Modbus TCP			
Remote maintenanceTCP/IP	Yes			
Engine				
Type	R6			
Engine displacement	8,4 L			
Engine Type	Naturally aspirated			
Brennstoffeinsatz ²	316 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	65 kW			
Efficiency Thermal ²	55,7 %			
Efficiency Combined (el. + th.) ²	93,7 %			
Engine oil	semi-synthetic			
Lubrication oil consumption	60 g/Bh			
Filling capacity lubricant (max.)	20 + 150 L			
Compressor				
Manufacturer	Atlas Copco			
Heat recovery compressor	103 kW			
RPM, min ⁻¹	4150	3800	3500	2800
outlet pressure, barg ³	7	8	10	13
Free air delivery (FAD), m³/min ³	22	19,5	17,8	14,2
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 - 100 mbar
Air supply	
Combustion air mass flow	405 kg/h
Air temperature	25 °C
Exhaust	
Interface Exhaust	DN 125
TA-Luft	yes
Exhaust temperature	640 °C
Condensate mass flow	46 kg/h
Max. permissible back pressure	< 15 mbar
flow rate, dry	349 Nm ³ /h
mass flow, wet	428 kg/h
Hydraulic integration	
Interface inlet/outlet	DN 50 (2")
Norm in-/outlet temperatur	70 / 90 °C
Standard flow rate	11 m ³ /h
heating water pressure	2,5 bar (ü)
Dimensions / Weight	
Dimensions (lxwxh), mm	2720x1100x2020
Weight Module (w/o operating fluids)	2800 kg
Dimensions housing (LxBxH), mm	3000x1300x2100
Weight housing	634 kg
Dimensions cabinet (LxBxH), mm	800x300x1200
Weight cabinet	120 kg
Recommended concrete strength	C20/25
Payload, qk	3,5 kN/m ²

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

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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
Catalyst technology for oil-free air	yes
Directly heated adsorption dryers	yes
Master Control readynes	yes
Contribution, installation, commisioning	yes



Subject to technical changes