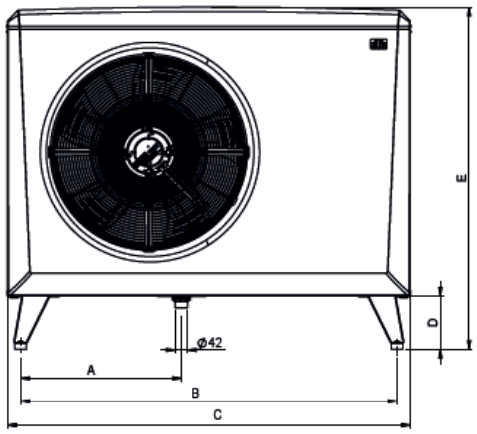
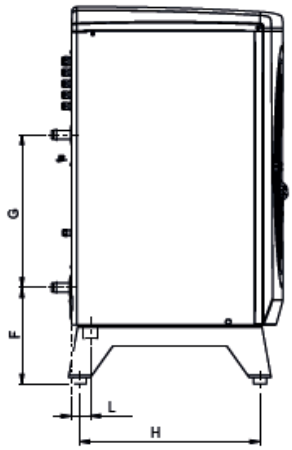
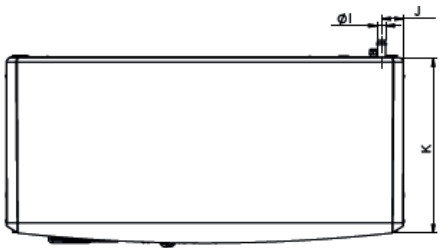
EcoAir 408 Air-to-water Heat Pump 1phase







Main features	
Application	space heating and hot water heating
Description	Heat pumps extract energy from the ambient air (at outdoor temperature of down to -22℃). This energy is then “pumped“ to a higher temperature and transferred into heating water. The flow temperature may reach up to 65 ℃.
Working fluid	R407C (refrigerant) / water (heating circuit)
Code	**14 894**

Technical data	
Nominal output	6.00 kW
Nominal power input	1.66 kW
Nominal (steady) current*	12.4 A
Starting current	23.2 A
Power supply	1/PE~230 V 50 Hz
Min. circuit breaker incl. characteristics	B16A 1phase
Min./max. air temp. during operation	-22/35 ℃
Air flow rate	2800 m^3/h
Fan speed	527 rpm
Compressor	Scroll
Refrigerant	R 407C (GWP 1774)
Refrigerant quantity	2.2 kg
CO_2 equivalent**	3.902 t
Refrigerant max. working pressure	31 bar
Weight	126 kg

** incl. secondary circulation pump StratosTec 25/7 or Grundfos UPM GEO25-85*

*** is not covered by the annual check for leaking refrigerant (Regulation EU No 517/2014)*

Energy efficiency data (for low-temperature applications under average climatic conditions, others see the Product Fiche)	
Seasonal Energy Efficiency	154%
Energy Efficiency Class	A++
SCOP	3,92

Dimensions	
A	486 mm
B	1155 mm
C	1245 mm
D	183 mm
E	1075 mm
F	301 mm
G	476 mm
H	451 mm
I	Ø 28 mm
J	80 mm
K	545 mm

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L	44 mm	

Sound data		
Sound power level by EN 12 102		58.3 dB(A)
Sound pressure level at	1 m	50.3 dB(A)
	5 m	36.3 dB(A)
	10 m	30.3 dB(A)

Heating system parameters	
Max. heat pump flow temp.	65 ℃
Max. heating water temp. In system	110 ℃
Max. working pressure of heating water	3 bar
Heating water volume in heat pump	2.4 l
Min. flow rate through HP (Δt = 7 K at 7/35	0.27 l/s
Connections	2 x Cu 28x1.5

Output parameters***

Air temperature	Flow temperature	Output [kW]	Power input [kW]	COP
7 ℃	35 ℃	7,70	1,70	4,64
2 ℃	35 ℃	6,00	1,60	3,62
-7 ℃	35 ℃	4,80	1,60	2,97

**** The values of working parameters are measured according to EN 14 511 incl. defrost cycle at the manufacturer's test lab and confirmed by EHPA Quality label.*