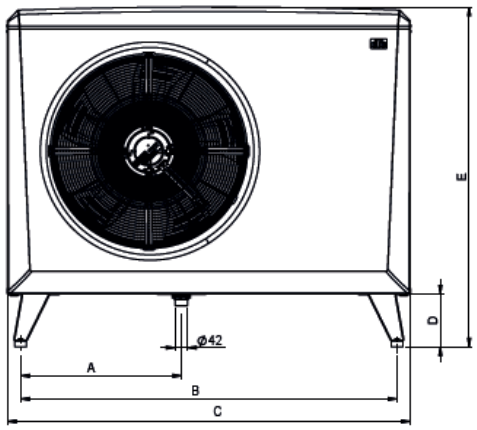
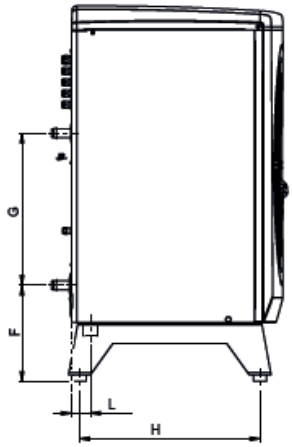
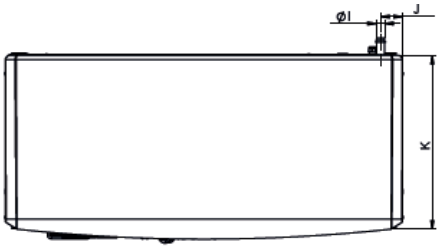
EcoAir 410 Air-to-water Heat Pump - 1phase







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	**14 895**

Technical data	
Nominal output	8.90 kW
Nominal power input	2.40 kW
Nominal (steady) current*	18.8 A
Starting current	23.5 A
Power supply	1/PE~230 V 50 Hz
Min. circuit breaker incl. characteristics	B25A 1phase
Min./max. air temp. during operation	-22/35 ℃
Air flow rate	4100 m^3/h
Fan speed	489 rpm
Compressor	Scroll
Refrigerant	R 407C (GWP 1774)
Refrigerant quantity	2.7 kg
CO_2 equivalent**	4.790 t
Refrigerant max. working pressure	31 bar
Weight	180 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	551 mm
B	1285 mm
C	1375 mm
D	183 mm
E	1175 mm
F	301 mm
G	476 mm
H	551 mm
I	Ø 28 mm
J	80 mm
K	610 mm
L	57 mm

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Sound data		
Sound power level by EN 12 102		57.3 dB(A)
Sound pressure level at	1 m	50 dB(A)
	5 m	36 dB(A)
	10 m	30 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	2.8 l
Min. flow rate through HP (Δt = 7 K at 7/35	0.39 l/s
Connections	2 x Cu 28x1.5

Output parameters***

Air temperature	Flow temperature	Output [kW]	Power input [kW]	COP
7 ℃	35 ℃	11,60	2,50	4,86
2 ℃	35 ℃	8,90	2,40	3,65
-7 ℃	35 ℃	7,10	2,30	3,03

**** 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.*