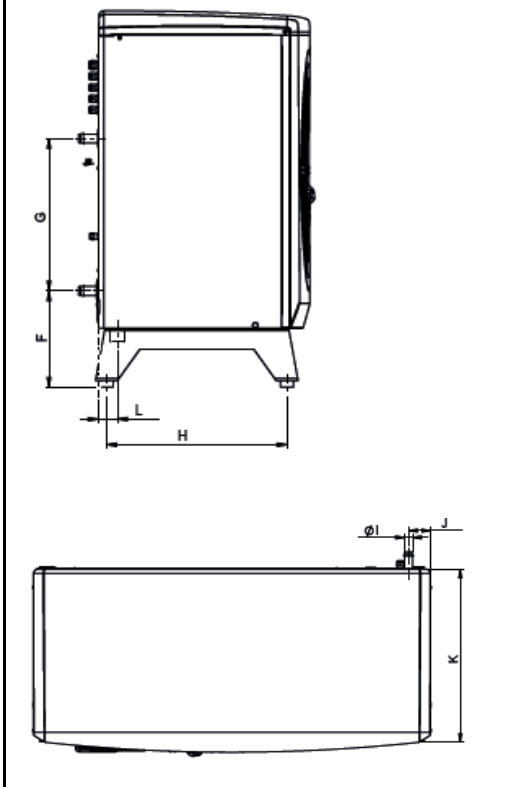
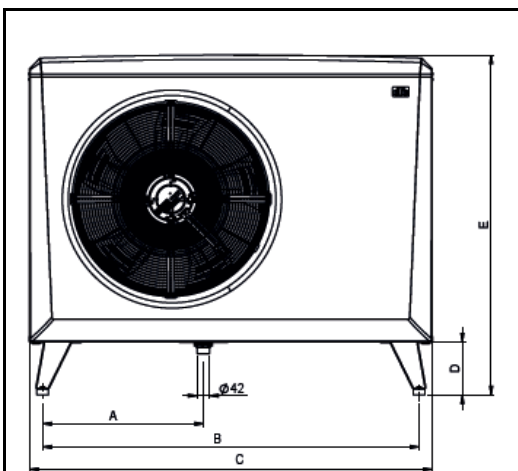


**EcoAir 406 Air-to-water Heat Pump 1phase**



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°C). This energy is then “pumped” to a higher temperature and transferred into heating water. The flow temperature may reach up to 65 °C.
Working fluid	R407C (refrigerant) / water (heating circuit)
<b>Code</b>	<b>14 893</b>

Technical data	
Nominal output	4.70 kW
Nominal power input	1.30 kW
Nominal (steady) current*	10.3 A
Starting current	22.8 A
Power supply	1/PE~230 V 50 Hz
Min. circuit breaker incl. characteristics	B16A 1phase
Min./max. air temp. during operation	-22/35 °C
Air flow rate	2500 m <sup>3</sup> /h
Fan speed	463 rpm
Compressor	Scroll
Refrigerant	R 407C (GWP 1774)
Refrigerant quantity	2.2 kg
CO <sub>2</sub> equivalent**	3.902 t
Refrigerant max. working pressure	31 bar
Weight	120 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 <i>(for low-temperature applications under average climatic conditions, others see the Product Fiche)</i>	
Seasonal Energy Efficiency	151%
Energy Efficiency Class	A++
SCOP	3,85

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
L	44 mm

**EcoAir 406 Air-to-water Heat Pump 1phase**

Sound data			Heating system parameters	
Sound power level by EN 12 102	56.2 dB(A)		Max. heat pump flow temp.	65 °C
Sound pressure level at	1 m	48.2 dB(A)	Max. heating water temp. In system	110 °C
	5 m	34.2 dB(A)	Max. working pressure of heating water	3 bar
	10 m	28.2 dB(A)	Heating water volume in heat pump	1.9 l
			Min. flow rate through HP ( $\Delta t = 7 \text{ K}$ at 7/35)	0.21 l/s
			Connections	2 x Cu 28x1.5

Output parameters***				
Air temperature	Flow temperature	Output [kW]	Power input [kW]	COP
7 °C	35 °C	6,20	1,30	4,59
2 °C	35 °C	4,70	1,30	3,53
-7 °C	35 °C	3,70	1,30	2,87

\*\*\* 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.

