

WPF 20

BRINE | WATER HEAT PUMPS

PRODUCT-NO.: 233003

The benefits of advanced heat pump technology are multiplying. The WPF series of heat pumps was developed specially to supply larger residential complexes as well as commercial and industrial buildings with heat. On request including DHW provision. Cascade control enables one or more units to provide the base cover for heat; peak loads are covered by starting additional units. This clearly reduces running costs. When several units are used, two heat pumps can be stacked to save space. This way, heat pump systems not only save energy but also space.



The main features

21.5 kW heating output at B0/W35

Two appliances may be stacked where space is at a premium

Suitable for cascade control for high output requirements

High reliability through robust single compressor design

With integral heat and electricity meters

Extremely quiet operation



Type	WPF 20	WPF 27	WPF 35
Part no.	233003	233004	233005
Output at B0/W35 (EN 14511)	21,5 kW	29,69 kW	38,04 kW
Coefficient of performance at B0/W35 (EN 14511)	4,66	4,85	4,78

Technical data

Energy efficiency class, heat pump W35	A++	A++	A++
Energy efficiency class, W55 heat pump	A++	A++	A++
Energy efficiency class, composite system (heat pump + controller) W35	A++	A++	A++
Energy efficiency class, composite system (heat pump + controller) W55	A++	A++	A++
SCOP (EN 14825)	5	5,28	5,2
Flow rate, heat source side	5 m ³ /h	7 m ³ /h	8,8 m ³ /h
Nominal design flow rate of heating system at B0/W35 and 7 K	2,65 m ³ /h	3,65 m ³ /h	4,48 m ³ /h
Sound power level (EN 12102)	54 dB(A)	55 dB(A)	55 dB(A)
Sound power level W35 (EN 12102)	54 dB(A)	55 dB(A)	55 dB(A)
Sound power level W55 (EN 12102)	59 dB(A)	60 dB(A)	60 dB(A)
Sound pressure level at a distance of 1 m	43 dB(A)	44 dB(A)	45 dB(A)
Rated compressor voltage	400 V	400 V	400 V
Connections for the heating and source side	G 2	G 2	G 2
Height	1154 mm	1154 mm	1154 mm
Width	1242 mm	1242 mm	1242 mm
Depth	860 mm	860 mm	860 mm
Weight	345 kg	367 kg	391 kg



Type	WPF 40	WPF 52	WPF 66
Part no.	233006	233007	233008
Output at B0/W35 (EN 14511)	43,1 kW	55,83 kW	67,10 kW
Coefficient of performance at B0/W35 (EN 14511)	4,67	4,81	4,56

Technical data

Energy efficiency class, heat pump W35	A++	A++	A++
Energy efficiency class, W55 heat pump	A++	A++	A++
Energy efficiency class, composite system (heat pump + controller) W35	A++	A++	A++
Energy efficiency class, composite system (heat pump + controller) W55	A++	A++	A++
SCOP (EN 14825)	5,05	5,2	4,95
Flow rate, heat source side	10,5 m ³ /h	13 m ³ /h	16,1 m ³ /h
Nominal design flow rate of heating system at B0/W35 and 7 K	5,3 m ³ /h	6,86 m ³ /h	8,26 m ³ /h
Sound power level (EN 12102)	58 dB(A)	58 dB(A)	59 dB(A)
Sound power level W35 (EN 12102)	58 dB(A)	58 dB(A)	59 dB(A)
Sound power level W55 (EN 12102)	59 dB(A)	59 dB(A)	63 dB(A)
Sound pressure level at a distance of 1 m	47 dB(A)	47 dB(A)	50 dB(A)
Rated compressor voltage	400 V	400 V	400 V
Connections for the heating and source side	G 2	G 2	G 2
Height	1154 mm	1154 mm	1154 mm
Width	1242 mm	1242 mm	1242 mm
Depth	860 mm	860 mm	860 mm
Weight	415 kg	539 kg	655 kg

Contact information

You have questions? We appreciate to help you:

Call **+49 5531 - 7020**

Write an email to **info@stiebel-eltron.com**

Installation information

Please ask your local power supply utility or a registered electrician to install appliances that are not fully wired, i.e. ready to plug in. The electrician should also be able to assist you with obtaining the agreement of the respective power supply utility required for the appliance installation.