WPF 20

GROUND SOURCE HEAT PUMPS

PRODUCT-NO.: 233003

Think big – go small

This compact heat pump meets your expectations of heating technology in large residential complexes, commercial premises and industrial buildings. As it can be installed either indoors or out, it is highly flexible. You need even less space if you install two appliances one on top of the other.

Clever combinations

Combined with a suitable appliance, your heat pump cascade can be put to excellent use to provide hot water. The high flow temperatures ensure that your level of hot water convenience remains consistently high.

WPF 27
Product-No.: 233004

WPF 35
Product-No.: 233005

WPF 40
Product-No.: 233006

WPF 52
Product-No.: 233007

WPF 66
Product-No.: 233008

The main features

- Ground source heat pump for heating, installed indoors or outdoors
- Outdoor installation for more indoor space
- Suitable for new build and modernisation projects
- Suitable for cascades with high output requirements
- Suitable for large residential complexes, commercial premises and industrial buildings
- Can be stacked to save space
- Pleasantly quiet operation
- Web-based control with Internet Service Gateway via computer
- High hot water convenience thanks to high flow temperatures of up to 60 °C



Type	WPF 20	WPF 27	WPF 35
Part no.	233003	233004	233005

Technical data

Energy efficiency class, heat pump W35	A+++	A+++	A+++
Energy efficiency class, heat pump W55	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++
Heating output at B0/W35 (EN 14511)	21,5 kW	29,69 kW	38,04 kW
Heating output at B0/W55 (EN 14511)	20.10 kW	26.69 kW	34.09 kW
Power consumption at B0/W35 (EN 14511)	4,61 kW	6,12 kW	7,96 kW
Power consumption at B0/W55 (EN 14511)	7.08 kW	9.57 kW	12.09 kW
COP at B0/W35 (EN 14511)	4.66	4.85	4.78
COP at B0/W55 (EN 14511)	2.84	2.79	2.78
SCOP 35 °C (EN 14825)	5.00	5.28	5.20
Sound power level (EN 12102)	54 dB(A)	55 dB(A)	55 dB(A)
Sound power level W35 (EN 12102)	54.00 dB(A)	55.00 dB(A)	55.00 dB(A)
Sound power level W55 (EN 12102)	59.00 dB(A)	60.00 dB(A)	60.00 dB(A)
Max. application limit on the heating side	60 °C	60 °C	60 °C
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
Rated voltage, compressor	400 V	400 V	400 V

Rated voltage, emergency/auxiliary heater	400 V	400 V	400 V
Refrigerant	R410A	R410A	R410A



Type	WPF 40	WPF 52	WPF 66
Part no.	233006	233007	233008

Technical data

Energy efficiency class, heat pump W35	A+++	A+++	A+++
Energy efficiency class, heat pump W55	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++
Heating output at B0/W35 (EN 14511)	43,1 kW	55,83 kW	67,10 kW
Heating output at B0/W55 (EN 14511)	40.20 kW	52.18 kW	62.30 kW
Power consumption at B0/W35 (EN 14511)	9.23 kW	11.61 kW	14.71 kW
Power consumption at B0/W55 (EN 14511)	13.96 kW	17.45 kW	22.09 kW
COP at B0/W35 (EN 14511)	4.67	4.81	4.56
COP at B0/W55 (EN 14511)	2.88	2.99	2.82
SCOP 35 °C (EN 14825)	5.05	5.20	4.95
Sound power level (EN 12102)	58 dB(A)	58 dB(A)	59 dB(A)
Sound power level W35 (EN 12102)	58.00 dB(A)	58.00 dB(A)	59.00 dB(A)
Sound power level W55 (EN 12102)	59.00 dB(A)	59.00 dB(A)	63.00 dB(A)
Max. application limit on the heating side	60 °C	60 °C	60 °C
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
Rated voltage, compressor	400 V	400 V	400 V

Rated voltage, emergency/auxiliary heater	400 V	400 V	400 V
Refrigerant	R410A	R410A	R410A

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.