

WPF 20-66

Supplying heat in style.

The benefits of advanced heat pump technology are growing. The WPF series of heat pumps was developed specially to supply larger residential complexes as well as commercial and industrial buildings with heat. It is suitable for projects with a heat demand of up to 400 kW. On request including DHW provision. The model range includes six heat pumps ranging from 20 to 66 kW. 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 most important features

Specially developed for larger residential systems as well as commercial and industrial buildings

Optional remote monitoring by PC

Individual appliances in six output stages

Very high efficiency

Heating flow temperature up to + 60 °C

Space-saving concept - up to two modules can be stacked

Modern, robust design



Example WPF



Type				
Type	WPF 20	WPF 27	WPF 35	WPF 40
Part no.	233003	233004	233005	233006
Output at B0/W35 (EN 14511)	21,50 kW	29,69 kW	38,04 kW	43,10 kW
Energy efficiency category, average climate, W55/W35	A+/A++	A+/A++ ¹⁾	A+/A++ ¹⁾	A+/A++

Note on the energy efficiency category: The data corresponds to the official requirements for room heaters, which will be compulsory from September 2015 (EU Regulation no. 811/2013), based on the data from EN 14511 and EN 14825 for heating heat pumps.

Efficiency categories denoted with ¹⁾ meet the requirements for A+++ rating applicable from September 2019.

Specification				
Height	1154 mm	1154 mm	1154 mm	1154 mm
Width	1242 mm	1242 mm	1242 mm	1242 mm
Depth	860 mm	860 mm	860 mm	860 mm
Weight	345 kg	367 kg	391 kg	415 kg
Flow rate, heat source side	5 m ³ /h	7 m ³ /h	8,80 m ³ /h	10,50 m ³ /h
Pressure differential on the heat source side	150 hPa	140 hPa	160 hPa	160 hPa
Heating flow rate (EN 14511) at A7/W35, B0/W35 and 5 K	3,70 m ³ /h	5,12 m ³ /h	6,50 m ³ /h	7,42 m ³ /h
Rated heating flow rate	2,65 m ³ /h	3,65 m ³ /h	4,48 m ³ /h	5,30 m ³ /h
Heating flow rate (min.)	1,85 m ³ /h	2,56 m ³ /h	3,14 m ³ /h	3,71 m ³ /h
Pressure differential, central heating side	60 hPa	52 hPa	80 hPa	80 hPa
Connections for the heating and source side	G 2	G 2	G 2	G 2
Starting current	55 A	60 A	60 A	60 A
Power connection	3/N/PE	3/N/PE	3/N/PE	3/N/PE
Heating water temperature spread	5 K	5 K	5 K	5 K
Output at B0/W35 (EN 14511)	21,50 kW	29,69 kW	38,04 kW	43,10 kW
Coefficient of performance at B0/W35 (EN 14511)	4,66	4,85	4,78	4,67



Type		
Type	WPF 52	WPF 66
Part no.	233007	233008
Output at B0/W35 (EN 14511)	55,83 kW	67,10 kW
Energy efficiency category, average climate, W55/W35	A++/A++ ¹⁾	A+/A++

Note on the energy efficiency category: The data corresponds to the official requirements for room heaters, which will be compulsory from September 2015 (EU Regulation no. 811/2013), based on the data from EN 14511 and EN 14825 for heating heat pumps.

Efficiency categories denoted with ¹⁾ meet the requirements for A+++ rating applicable from September 2019.

Specification		
Height	1154 mm	1154 mm
Width	1242 mm	1242 mm
Depth	860 mm	860 mm
Weight	539 kg	655 kg
Flow rate, heat source side	13 m ³ /h	16,10 m ³ /h
Pressure differential on the heat source side	150 hPa	160 hPa
Heating flow rate (EN 14511) at A7/W35, B0/W35 and 5 K	9,61 m ³ /h	11,56 m ³ /h
Rated heating flow rate	6,86 m ³ /h	8,26 m ³ /h
Heating flow rate (min.)	4,81 m ³ /h	5,78 m ³ /h
Pressure differential, central heating side	60 hPa	80 hPa
Connections for the heating and source side	G 2	G 2
Starting current	65 A	80 A
Power connection	3/N/PE	3/N/PE
Heating water temperature spread	5 K	5 K
Output at B0/W35 (EN 14511)	55,83 kW	67,10 kW
Coefficient of performance at B0/W35 (EN 14511)	4,81	4,56

WPF 20

WPM 3 heat pump manager

Part no.	Type	Suitable for	Height	Width	Depth
232980	WPMW 3	Wall mounting enclosure	215 mm	246 mm	140 mm

WPF 27

WPF 35

WPF 40

WPF 52

WPF 66