SHP-F 300 Premium

DHW HEAT PUMPS

PRODUCT-NO.: 238631

The main features

- DHW heat pump
- Compact series for recirculation air or air duct/outdoor air operation
- 300 l cylinder capacity
- Achieves the highest possible energy efficiency: A+
- High degree of flexibility regarding siting and installation
- Hygienic DHW temperatures up to 65 °C achievable in heat pump mode only
- SmartGrid – future-oriented technology

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Technical datasheet

Type	SHP-F 220 Premium	SHP-F 300 Premium	SHP-F 300 X Premium
Part no.	238630	238631	238632
Average heating output (A15/W10-55)	1,6 kW	1,6 kW	1,6 kW
Height	1501 mm	1905 mm	1905 mm
Diameter	690 mm	690 mm	690 mm
Weight	120 kg	135 kg	156 kg

Technical data

Energy efficiency class, DHW heating (indoor air), load profile XL		A+	A+
Energy efficiency class, DHW heating (outdoor air), load profile XL		A+	A+
Heat source min./max. application limits	-8/+42 °C	-8/+42 °C	-8/+42 °C
Rated capacity	220 l	302 l	291 l
Maximum DHW temperature with heat pump	65 °C	65 °C	65 °C
Nominal DHW temperature (EN 16147)	55 °C	55 °C	55 °C
Nominal load profile (EN16147)	L	XL	XL
Maximum available nominal DHW volume at 40 °C (EN 16147 / A20)	284 l	422 l	399 l
Maximum available amount of DHW at 40 °C (EN 16147 / A7)	267 l	422 l	394 l
Rated heating output Prated (EN 16147/A20)	1,51 kW	1,67 kW	1,67 kW
Rated heating output Prated (EN 16147/A7)	1,08 kW	1,30 kW	1,12 kW
COP (EN 16147 / A20)	3,28	3,75	3,75
COP (EN 16147 / A7)	3,07	3,22	2,99
Booster heater power consumption	1,50 kW	1,50 kW	1,50 kW
Sound power level, indoor, with 4 m air duct (EN 12102)	52 dB(A)	52 dB(A)	52 dB(A)
Indoor sound power level without air duct (EN 12102)	60 dB(A)	60 dB(A)	60 dB(A)

Average indoor sound pressure level at 1 m distance, free field with 4 m air duct	37 dB(A)	37 dB(A)	37 dB(A)
Average indoor sound pressure level at 1 m distance, free field, without air duct	45 dB(A)	45 dB(A)	45 dB(A)
Max air duct length at 160/200 mm diameter (including 3 x 90° bends)	20/40 m	20/40 m	20/40 m
Available external pressure	120 Pa	120 Pa	120 Pa
Power supply	1/N/PE ~ 230 V 50Hz	1/N/PE ~ 230 V 50Hz	1/N/PE ~ 230 V 50Hz

Energy efficiency class in accordance with EU Regulation no. 812/2013; rating from September 2017. Highest possible energy rating A until September 2017.

Nominal data to EN 16147 - A15 = heat source, recirculation air / A7 = heat source, outdoor air (indoor installation)

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.