

SHP-F 300 X Premium

DHW HEAT PUMPS

PRODUCT-NO.: 238632

Keeping your plans flexible

The flexibility you enjoy with a DHW heat pump is well demonstrated in this model. It is equipped with air ducts that allow it to draw outdoor air or waste heat from an adjacent room. Moreover, your installer can arrange the ducts horizontally or vertically, depending on the layout of the installation room.

A futureproof investment

The appliance is also well equipped on the inside: it achieves the highest possible energy efficiency class (A+) and provides you with hygienic DHW temperatures of up to 65 °C. A straightforward combination of heat pump and photovoltaic system makes even more efficient use of natural resources, as it allows you to heat your DHW with self-generated electricity. For feel-good moments that are truly home-made.



SHP-F 220 Premium
Product-No.: 238630



SHP-F 300 Premium
Product-No.: 238631

The main features

High flexibility in siting and installation

Hygienic DHW temperatures up to 65 °C achievable in efficient heat pump mode

Can be integrated into a smart grid (SG Ready)

Maximum reliability and cost savings due to maintenance-free cylinder protection (impressed current anode)



| Type | SHP-F 220 Premium | SHP-F 300 Premium | SHP-F 300 X Premium |
|----------|-------------------|-------------------|---------------------|
| Part no. | 238630 | 238631 | 238632 |

Technical data

| | | | |
|---|----------|----------|----------|
| Energy efficiency class, DHW heating (outdoor air), load profile XL | | A+ | A+ |
| Energy efficiency class, DHW heating (indoor air), load profile XL | | A+ | A+ |
| Average heating output (A20 / W10-55) | 1,8 kW | 1,8 kW | 1,8 kW |
| Average heating output (A7 / W10-55) | 1,3 kW | 1,3 kW | 1,3 kW |
| COP (EN 16147 / A20) | 3,28 | 3,75 | 3,75 |
| COP (EN 16147 / A7) | 3,07 | 3,22 | 3,22 |
| Rated heating output P rated (EN 16147 / A20) | 1.51 kW | 1.67 kW | 1.67 kW |
| Rated heating output P rated (EN 16147 / A7) | 1.08 kW | 1.30 kW | 1.12 kW |
| Nominal load profile (EN 16147) | L | XL | XL |
| Nominal DHW temperature (EN 16147) | 55 °C | 55 °C | 55 °C |
| Maximum available nominal amount of DHW at 40 °C (EN 16147 / A20) | 284 l | 422 l | 399 l |
| Maximum available nominal amount of DHW at 40 °C (EN 16147 / A7) | 267 l | 422 l | 394 l |
| 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) |
| Indoor sound power level 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) |

| | | | |
|--|------------------------|------------------------|------------------------|
| Min./max. application limits, heat source for heat pump operation | -8/+42 °C | -8/+42 °C | -8/+42 °C |
| Min./max. application limits for heat source | -8/+42 °C | -8/+42 °C | -8/+42 °C |
| Max. DHW temperature with heat pump | 65 °C | 65 °C | 65 °C |
| Height x diameter | 1501 x 690 mm | 1905 x 690 mm | 1905 x 690 mm |
| Power supply | 1/N/PE ~ 230 V 50Hz | 1/N/PE ~ 230 V 50Hz | 1/N/PE ~ 230 V 50Hz |
| Auxiliary heater power consumption | 1.50 kW | 1.50 kW | 1.50 kW |
| Nominal capacity | 220 l | 302 l | 291 l |
| Max. mixed water amount at 40 °C | 330 l | 465 l | 440 l |
| Surface area, heat exchanger | | | 1.30 m ² |
| Available external pressure | 120 Pa | 120 Pa | 120 Pa |
| Max. air duct length at 160/200 mm diameter (including 3x 90° bends) | 20/40 m | 20/40 m | 20/40 m |

Energy efficiency class in accordance with EU Regulation no. 812/2013

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.