

# WWK 302

DHW HEAT PUMPS

PRODUCT-NO.: 231211

The WWK 302 is a compact air | water heat pump designed specifically for outdoor installation (heat pump unit and cylinder made from steel, with a special enamel coating on the inside, and installed in one casing) for supplying DHW to several draw-off points (detached or two-family houses). Naturally, it can also be used for indoor installation. Attractive design, cylinder with high grade thermal insulation and outstanding efficiency/COP values. Very quiet operation thanks to sound-insulated compressor.



This heat pump is also equipped as standard with an integral emergency/booster heater. Very compact and space efficient design. It meets the requirements of the very demanding XL draw-off profile to EN 16147 and achieves top ratings according to the energy efficiency classes for DHW heat pumps applicable from September 2015. DHW temperature preset to  $> 60^{\circ}\text{C}$  in efficient heat pump operation. Highest quality standard. Use of particularly high quality components, such as a Rollbond safety condenser for maximum reliability and permanently high efficiency, and a maintenance-free impressed current anode, likewise for maximum reliability and cost savings for users due to elimination of the need for regular anode checks/replacement. The appliances are also equipped as standard with a battery buffer for the impressed current anode in the case of unplanned power outages in the public supply network.

## The main features

### DHW heat pump

Suitable for outdoor installation (from  $-5^{\circ}\text{C}$  up to  $42^{\circ}\text{C}$ )

Hygienic DHW temperature of  $> 60^{\circ}\text{C}$  in efficient heat pump mode only

Maintenance-free impressed current anode (saves costs for anode checking/replacement otherwise required regularly), as well as integral electric emergency/booster heater included as standard

Quiet compressor, sound-isolated from the air flow

Heat content control via integral sensor

Rollbond safety condenser for maximum security and consistently high efficiency

Exceptional DHW convenience (draw-off profile XL to EN 16147)



Type	WWK 222	WWK 302	WWK 222 H
Part no.	231209	231211	233209
Average heating output (A15/W10-55)	1.6 kW	1.6 kW	1.6 kW
Diameter	690 mm	690 mm	690 mm
Height	1501 mm	1905 mm	1501 mm
Weight	120 kg	135 kg	120 kg

## Technical data

Energy efficiency class, DHW heating (indoor air), load profile XL		A	
Heat source min./max. application limits	-5/+42 °C	-5/+42 °C	-5/+42 °C
Rated capacity	220 l	302 l	220 l
HP DHW temperature	61 °C	61 °C	61 °C
Nominal load profile (EN16147)	L	XL	L
Maximum available nominal DHW volume at 40 °C (EN 16147 / A20)	322 l	457 l	322 l
Rated heating output Prated (EN 16147/A20)	1,43 kW	1,50 kW	1,43 kW
Heat-up time (EN 16147 / A20)	7.48 h	11.17 h	7.48 h
Power consumption, standby period (EN 16147 / A20)	0.034 kW	0.037 kW	0.034 kW
COP (EN 16147 / A20)	2.92	2.91	2.92
Sound power level (EN 12102)	60 dB(A)	60 dB(A)	60 dB(A)
Average sound pressure level at 1 m distance, free field	45 dB(A)	45 dB(A)	45 dB(A)
Safety valve connection	Rp 3/4	Rp 3/4	Rp 3/4
Power supply	1/N/PE 220-240 V 50/60 Hz	1/N/PE 220-240 V 50/60 Hz	1/N/PE 220-240 V 50/60 Hz



Type	WWK 302 H
Part no.	232905
Average heating output (A15/W10-55)	1.6 kW
Diameter	690 mm
Height	1905 mm
Weight	135 kg

#### Technical data

Energy efficiency class, DHW heating (indoor air), load profile XL	A
Heat source min./max. application limits	-5/+42 °C
Rated capacity	302 l
HP DHW temperature	61 °C
Nominal load profile (EN16147)	XL
Maximum available nominal DHW volume at 40 °C (EN 16147 / A20)	457 l
Rated heating output Prated (EN 16147/A20)	1,50 kW
Heat-up time (EN 16147 / A20)	11,17 h
Power consumption, standby period (EN 16147 / A20)	0.037 kW
COP (EN 16147 / A20)	2,91
Sound power level (EN 12102)	60 dB(A)
Average sound pressure level at 1 m distance, free field	45 dB(A)
Safety valve connection	Rp 3/4
Power supply	1/N/PE 220-240 V 50/60 Hz

## **Contact information**

You have questions? We appreciate to help you:

Call **+49 5531 - 7020**

Write an email to **[info@stiebel-eltron.com](mailto: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.