

WWK 302 H Set

DHW HEAT PUMPS

PRODUCT-NO.: 236467

Application • This compact DHW heat pump is installed outdoors and efficiently supplies DHW to multiple draw-off points. • Can also be installed indoors in recirculation air mode. • Quick and easy installation: no settings necessary; the DHW setpoint is preset.

Convenience features • The robust appliance is noted for its long service life in outdoor installations. Contributing to this are the stove enamelled metal casing and the refrigerant circuit assemblies which are insulated from the air stream. • The sophisticated draw-off profiles ensure a very high level of hot water convenience. • Heat pump-only mode enables very high volumes of mixed water to be achieved, in addition to hygiene-promoting water temperatures. • The electronic controller shows the currently available amount of mixed water on an LCD screen. The display is protected by a weatherproof cover. • Quiet operation thanks to compressor being sound-insulated from the air stream. • Reliable and cost saving due to the factory-fitted integral impressed current anode. A temperature and pressure safety valve (T&P valve) is included in the standard delivery.

Efficiency • Both sizes have energy efficiency class A. Contributing to this is the spring-loaded roll-bond heat exchanger which ensures efficiency and safety throughout the entire service life of the appliance.



The main features

Compact series specially developed for outdoor installation

Also suitable for indoor installation (recirculation air mode)

High available mixed water amount and hygienic DHW temperatures > 61 °C in heat pump mode

Categorised in the highest possible energy efficiency class for water heaters

Permanently high efficiency and safety across the entire service life of the appliance, due to spring-loaded roll-bond heat exchanger

Reduced operating costs via intelligent interface to increase consumption of on-site photovoltaic energy

Display of the currently available mixed water amount via the LCD screen

Highly reliable and cost saving due to the impressed current anode integrated as standard

Very quiet operation due to sound-insulated compressor and positioning away from the air flow

Includes temperature and pressure safety valve (T&P valve)



Type	WWK 302 H Set
Part no.	236467

Values

Recommended number of users	≤ 6
Air flow rate	550 m ³ /h
Type of anode	Maintenance-free impressed current anode

Energy data

Energy efficiency class, DHW heating (indoor air), load profile XL	A
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Heating output

Average heating output (A15 / W10-55)	1.6 kW
Average heating output (A7 / W10-55)	1.2 kW

Power consumption

Average power consumption of heat pump (A15 / W10-55)	0,5 kW
Max. power consumption, heat pump (except startup period)	0.65 kW
Max. power consumption, heat pump + emergency/auxiliary heater	2.20 kW
Power consumption, emergency/auxiliary heater	1.50 kW

Output data to EN 16147

COP (EN 16147 / A20)	2,91
Nominal load profile (EN 16147)	XL
Nominal DHW temperature (EN 16147)	61 °C

Maximum available nominal amount of DHW at 40 °C (EN 16147 / A20)	457 l
Heat-up time (EN 16147 / A20)	11,17 h

Sound emissions

Average sound pressure level at 1 m distance, free field	45 dB(A)
Sound power level (EN 12102)	60 dB(A)

Application limits

Min./max. application limits, heat source for heat pump operation	-5/-42 °C
Min./max. application limits for heat source	-5/+42 °C
Min./max. application limits, ambient temperature, cylinder	-5/+55 °C
Max. DHW temperature with emergency/auxiliary heater	63 °C
DHW temperature with heat pump	61 °C
Max. DHW temperature with heat pump	65 °C
Min. DHW temperature with heat pump	61 °C
Min. installation room volume (recirculation air mode, general domestic use)	13 m ³
Max. permissible operating pressure, cold water/DHW	0.85 MPa
Min./max. conductivity, DHW	100-1500 µS/cm
High limit safety cut-out	92 °C

Dimensions

Height	1905 mm
Height x diameter	1905 x 690 mm
Diameter	690 mm
Height when tilted	2026 mm
Height when tilted, incl. packaging	2230 mm
Packaging unit dimensions, height/width/depth	2100/740/740 mm
Maximum height for installation	2000 m

Weights

Weight	135 kg
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Electrical data

Rated voltage	230 V
Permissible voltage range, external signal transmitter	~ 220-240 V 50/60 Hz
Power supply	1/N/PE 220-240 V 50/60 Hz
Fuse protection	C16 A
Max. operating current	9.70 A
Max. starting current	23.44 A

Versions

Refrigerant	R134a
Refrigerant charge	0.85 kg
CO₂ equivalent (CO₂e)	1.216 t
Global warming potential of the refrigerant (GWP100)	1430
Power cable length approx.	2000 mm
IP rating	IP 24

Connections

Water connection	G 1 (with adaptor Rp 3/4 fem.)
Safety valve connection	Rp 3/4
Condensate connection	G 3/4

Hydraulic data

Nominal capacity	302 l
Max. mixed water amount at 40 °C	475 l

Contact information

Do you have additional questions? Then please do not hesitate to contact us, we would be only too happy to help:

Call 0151 346 2300

Or send an e-mail to

sales@stiebel-eltron.co.uk

Only a qualified contractor should carry out the installation, commissioning, maintenance and repair of this appliance. Where applicable and prior to installation the electricity and/or water utility companies should be notified of your intention to install the product.