

INSTALLATION Specification

16.4 Data table

		WWK 222 231209	WWK 222 H 233209	WWK 302 231211	WWK 302 H 232905
Hydraulic data					
Nominal capacity	l	220	220	302	302
Application limits					
DHW temperature with heat pump	°C	61	61	61	61
Max. DHW temperature with heat pump	°C	65	65	65	65
Max. DHW temperature with emergency/booster heater	°C	65	65	65	65
High limit safety cut-out	°C	92	92	92	92
Min./max. application limits of heat source for heat pump operation	°C	-5/+42	-5/+42	-5/+42	-5/+42
Min./max. application limits for cylinder ambient temperature	°C	-5/+55	-5/+55	-5/+55	-5/+55
Min. installation room volume (recirculation air mode, general domestic use)	m ³	13	13	13	13
Max. permissible operating pressure, cold water/DHW	MPa	0.85	0.85	0.85	0.85
Min./max. conductivity, potable water	µS/cm	100-1500	100-1500	100-1500	100-1500
Annual Average Coefficient of Performance (Australia)					
ACOP (AS/NZS 4234 climate zone 2 medium load)		3.94	3.94	3.58	3.58
Values					
Temperature setting range, DHW	°C	61-65	61-65	61-65	61-65
Type of anode		Maintenance-free impressed current anode	Maintenance-free impressed current anode	Maintenance-free impressed current anode	Maintenance-free impressed current anode
Air flow rate	m ³ /h	550	550	550	550
Recommended number of users		≤ 4	≤ 4	≤ 6	≤ 6
Energy data					
DHW heating energy efficiency class (load profile), indoor air		A+ (L)	A+ (L)	A (XL)	A (XL)
Output data to EN 16147					
Nominal DHW temperature (EN 16147)	°C	61	61	61	61
Nominal load profile (EN 16147)		L	L	XL	XL
Heating output					
Average heating output (A15 / W10-55)	kW	1.6	1.6	1.6	1.6
Power consumption					
Average power consumption of heat pump (A15 / W10-55)	kW	0.5	0.5	0.5	0.5
Max. heat pump power consumption (excl. start-up)	kW	0.65	0.65	0.65	0.65
Power consumption, emergency/booster heater	kW		1.5		1.5
Max. power consumption, heat pump + emergency/booster heater	kW		2.2		2.2
Electrical data					
Rated voltage	V	230	230	230	230
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	1/N/PE 220-240 V 50/60 Hz
Permissible voltage range, external signal transmitter		~ 220-240 V 50/60 Hz	~ 220-240 V 50/60 Hz	~ 220-240 V 50/60 Hz	~ 220-240 V 50/60 Hz
Max. operating current	A	3.18	9.7	3.18	9.7
Max. starting current	A	15.4	23.44	15.4	23.44
Fuse protection	A	C10	C16	C10	C16
Sound emissions					
Sound power level (EN 12102)	dB(A)	60	60	60	60
Average sound pressure level at 1 m distance, free field	dB(A)	45	45	45	45
Versions					
IP rating		IP 24	IP 24	IP 24	IP 24
Refrigerant		R134a	R134a	R134a	R134a
Refrigerant charge	kg	0.85	0.85	0.85	0.85
Global warming potential of the refrigerant (GWP100)		1430	1430	1430	1430
CO ₂ equivalent (CO ₂ e)	t	1,216	1,216	1,216	1,216
Power cable length approx.	mm	2000	2000	2000	2000
Dimensions					
Height	mm	1501	1501	1905	1905
Diameter	mm	690	690	690	690
Height when tilted	mm	1652	1652	2026	2026
Height when tilted incl. packaging	mm	1895	1895	2230	2230
Packing unit dimensions height/width/depth	mm	1740/740/740	1740/740/740	2100/740/740	2100/740/740
Weights					
Weight, empty	kg	120	120	135	135

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	WWK 222	WWK 222 H	WWK 302	WWK 302 H
Connections				
Condensate connection	G 3/4	G 3/4	G 3/4	G 3/4
Safety valve connection	Rp 3/4	Rp 3/4	Rp 3/4	Rp 3/4
Water connection	G 1 (with adaptor Rp 3/4 fem.)	G 1 (with adaptor Rp 3/4 fem.)	G 1 (with adaptor Rp 3/4 fem.)	G 1 (with adaptor Rp 3/4 fem.)

The output data refers to new appliances with clean heat exchangers.

Nominal data to EN 16147 – heat pump for recirculation air

16.5 Standardised output data

Information on determining and interpreting the specified standardised output data

Standard: EN 16147

The output data specifically mentioned in text, diagrams and technical datasheets has been determined in line with the test conditions described in the standard shown in the heading of this chapter.

Generally, these standardised test conditions will not fully meet the conditions found at the installation site of the system user. Depending on the chosen test method and the extent to which the selected method deviates from the conditions described in the standard shown in the heading of this chapter, any deviations can have a considerable impact. Additional factors that have an influence on the test values are the measuring equipment, the system configuration, the age of the system and the flow rates.

A confirmation of the specified output data can only be obtained if the conditions applicable to the relevant test match those of the standard shown in the heading of this chapter.