

DHW 301P(+)



Domestic hot water heat pump
for new builds and renovation

Experience Better Living.



Efficient and economical

High efficiency domestic hot water preparation with domestic hot water temperatures up to 60 °C in pure heat pump operation, additional heating element for thermal disinfection up to 65 °C, energy efficiency class A+

Smart with PV connection

PV feed-in for heat pump and heating element available. DHW 301P+ with additional heat exchanger for integrating a second heat generator, such as an oil or gas heater

Quick and easy installation

Ideal for domestic hot water preparation in detached houses, apartments or smaller two-family houses thanks to easy installation and compact dimensions. Setup without air supply from adjacent rooms possible with an air duct

Sustainable values

The DHW 301P(+) impress with a low GWP of 3 with the natural refrigerant R290 and a COP of 3.1

Intuitive operation

Easy operation via a knob and setting keys for access to turbo functions, PV function, time programs and much more

Efficient heating and dehumidification

Use of the waste heat in the cellar, heating or washing rooms and efficient dehumidification of utility rooms or damp cellars

DHW 301P(+)

The DHW 301P(+) hot water heat pumps with natural refrigerant R290 are an efficient and economical solution for domestic hot water preparation. Quickly installed, they can cover the demand for hot water in single-family houses, flats or smaller two-family houses all year round - in new builds as well as in modernisation projects. The energy required for heating is extracted from the outside air, the ambient air or the air in a neighbouring room (waste heat). In addition, household rooms or cellars can be dehumidified or ventilated. A hot water temperature of up to 60 °C is possible in pure heat pump operation. Optionally, thermal disinfection can be set up to 65 °C using an additional electric disinfection heating element. The DHW 301P series is ideal for combining with photovoltaic systems for the intelligent utilisation of self-generated PV energy. The hot water heat pumps impress with a low GWP of 3 thanks to the natural refrigerant propane (R290) and a COP of 3.10.

Order reference	DHW 301P	DHW 301P+
Article number	382060	382070
Cylinder volume	270 l	265 l
Additional heat exchanger	-	0.9 m ²
Permissible operating pressure	0.6 MPa (6 bar)	0.6 MPa (6 bar)
Lower/upper operating limit of heat source	-7 °C to + 45 °C	-7 °C to + 45 °C
Domestic hot water setting range in heat pump operation	+30 °C to +60 °C	+30 °C to +60 °C
Setting range domestic hot water max.	+65 °C	+70 °C
Air flow	320 m ³ /h to 400 m ³ /h	320 m ³ /h to 400 m ³ /h
Air duct connection diameter	160 mm	160 mm
Air duct connection length max.	6 m flexible pipe / 12 m rigid pipe	6 m flexible pipe / 12 m rigid pipe
Sound power level	50 dB(A)	50 dB(A)
Sound pressure level at a distance of 1 m	40 dB(A)	40 dB(A)
Load profile	XL	XL
Energy efficiency class according to (EU) 812/2013 ¹	A+	A+
COP at (A7/W55) ²	3.1	3.05
Power consumption heat pump max.	700 W	700 W
Total power consumption max.	1,900 W	1,900 W
Connection voltage	1/N/PE ~230 V, 50 Hz	1/N/PE ~230 V, 50 Hz
Fuse max.	10 A, Characteristic D	10 A, Characteristic D
Degree of protection	IP X4	IP X4
Dimensions (W x H x D)	630 x 1,812 x 630 mm	630 x 1,812 x 630 mm
Tilting dimension	1,890 mm	1,890 mm
Weight (empty)	83 kg	87 kg
Cold and hot water connection	3/4"	3/4"
Circulation connection	3/4"	3/4"

¹ In a range from A+ to F

² With an outside temperature of +7 °C and a domestic hot water temperature of +55 °C



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