

DHW 301P(+).

Domestic hot water heat pump for new builds and renovation.

R290



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(+).

Domestic hot water heat pump with natural refrigerant R290 and defrost function for use of outdoor and indoor air. Frost-free installation inside buildings. High-quality cylinder insulation to minimize downtime losses and energy efficiency class A+ (tapping cycle XL). Ideal for domestic hot water preparation in existing buildings thanks to easy installation. Operation and setting takes place via a knob and setting keys. Different operating modes can be set. Visualisation and settings on the display. Max. achievable temperature of 60 °C in pure heat pump operation (setting range 30 °C – 60 °C) with the option of increasing the domestic hot water temperature via the installed additional heating element (1.2 kW) up to 65 °C. Supply and exhaust air vents at the top (Ø 160 mm). Installation in rooms with a low ceiling height (2.1 m) possible. Maximum pipe length for supply and exhaust air 12 m. Air intake inside buildings without air ducts possible, pipe duct can be optionally connected for using exhaust air or waste heat from adjacent rooms. Cylinder enamelled with corrosion protection anode, tilted dimension 1890 mm. Mixed water quantity 40 °C at 60 °C cylinder temperature of 353 litres (DHW 301P+ 373 litres). PV feed-in for heat pump and heating element available. Integration of a 2nd heat generator possible with DHW 301P+.

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.	8 A	8 A
Degree of protection	IP X4	IP X4
Dimensions (W x H x D)	630 x 1812 x 630 mm	630 x 1812 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"

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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