Ovum
HEAT PUMPS

Domestic hot water for residential buildings

DHW solution by using the heating circuit.

OPW170 Advantages

- Highly efficient refrigeration circuit with the environmentally friendly refrigerant R290
- Improved isolation- Fully insulated storage tank for extremely low standby losses
- Stainless steel storage tank with a high volume for more hot water
- Extent Water Technology for an early and quick reload
- AutoShut for easy connection to the heating system
- application range of heat sources from 15 ° C to 50 ° C possible
- Multilingual menu navigation
- Extensive mounting accessories

New generation features

- Timer, legionella, vacation and power functions
- PV connection and communication
- Bus connection

The **OVUM OPW170** domestic water heat pump uses the heating circuit as a heat source. It can be simply connected to the heating circuit in the living unit and prepares hot water in the most efficient way. This not only prevents heat losses, such as those that occur in the domestic hot water circulation, but also creates a pleasant cooling effect in summer.

The **OPW170** represents a completely new generation of heat pumps and has many positive aspects for use in residential construction.

Easy installation:
Thanks to the AutoShut function, the large area of application, as well as an integrated heat source optimization, the OPW can easily be connected to the heating circuit distributor. This saves time, space and investment costs.

ExtentWater technology
Despite its compact dimensions, the OPW170 has one of the largest hot water volumes of decentralized water heaters mounted on the wall. Thanks to the exclusive ExtentWater technology, more hot water is made available efficiently.

Long lifetime cycle and efficient operation
Due to optimizations within the heat pump and heat source circuit the OPW170 is a product of highest quality. Independent of the used system, an ideal operating range is ensured, which not only reduces operating costs but also extends the service life of the entire heating system.

Assembly:
The **OPW170** can be installed as a wall-mounted or floor-standing device.
Use our extensive accessories for wallmount available.

Technical data of the OPW series

NOMINAL DATA	OPW 170	OPW 300	OPL 300
Tank size	166 ltr	295 ltr	295 ltr
Maximum tank temperature	62 °C	62 °C	62 °C
COP_{DHW} at 35 °C	4,2	-	-
COP_{DHW} at 20 °C	3,4	-	3,67
COP_{DHW} at 10 °C	2,93	3,15	3,15
Tapping profile	L	L	L
Minimum tapping volume	197 ltr	210 ltr	210 ltr
Daily output	1675 ltr	2140 ltr	2140 ltr
Stand by losses	17 W	20 W	20 W
Efficiency class	A+	A+	A+
PERFORMANCE DATA			
Heat pump	1 kW	1,42 kW	1,42 kW
E-backup	2 kW	2 kW	2 kW
Maximum heating capacity	3,0 kW	3,42 kW	3,42 kW
Refrigerant	R290 125 g	R134a 750 g	R134a 750 g
HEAT SOURCE			
Winter	100 ltr/h	120 ltr/h	-
Summer	200 ltr/h	240 ltr/h	-
Maximum heating water temperature	50 °C	50 °C	-
Minimum heating water temperature	18 °C (10 °C)	18 °C (10 °C)	-
ELECTRICAL DATA			
Voltage /frequency	230 V/50 HZ	230 V/50 HZ	230 V/50 HZ
Electrical protection	13 A	13 A	13 A
Protection class	IP21	IP21	IP21
Power consumption compressor	349 W	395 W	395 W
MEASUREMENTS			
Height	1538 mm	1768 mm	1768 mm
Width	539 mm	ø 707 mm	ø 707 mm
Depth	573 mm	-	-
Weight	69,5 kg	153 kg	153 kg
TANK			
Material	Stainless steel, nominal pressure 10 bar		
CONNECTIONS			
Cold, hot water	1/2“	3/4“	3/4“
Heating flow and return	1/2“	1/2“	-
NOISE LEVEL			
Noise level (Wallmounted, 1,5m distance)	36 dB	46 dB	46 dB

* air temperature

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