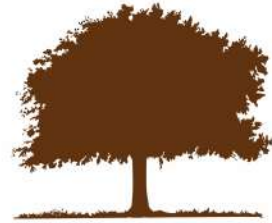


Domestic Hot Water Heat Pump

EXPLORER EVO 200 Litre and 270 Litre
EXPLORER RETRO 3.0kW



**PASSIVE
HOUSE
SYSTEMS**

Product Information

**Cleaner Energy
- Cheaper Energy**



**LOW COST WATER HEATING 24/7
ALL YEAR ROUND!**



AGENT DETAILS:

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tel. (+353) 021 487 2664
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Eltmann,
Industriestraße 8,
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Our domestic hot water heat pumps – DHW Explorer Evo and the DHW_HP Retro 3.0 use external air or used ventilation air for highly efficient water heating -all year round. The temperature of the exhaust air from the heat pump is 5-10 °C lower than input air, this difference is used to heat the water. The heat pump DHW Explorer Evo is a complete device that works with a market leading COP (coefficient of performance) of 3.8 while the DHW Retro works with your existing cylinder and has an amazing and market leading COP of 4.35.

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All improvements at a glance The latest technology in one device...

- particularly high COP value: at 3.8 (as per EN 16147; A20/W10-55; XL)
- safe hygiene and legionella function
- easy assembly and installation
- small space and ceiling height requirement due to rotatable air connection sockets
- problem-free combination with other heating systems
- horizontal transport possible
- available at 270 and 200 L volumes, with or without a heat exchanger
- with photovoltaic function
- large colour display with accurate energy reading
- Application: -5°C to 43°C
- Smart Control

Features Atlantic Explorer Evo

- with maintenance-free ACI hybrid external current anode
- 1.8 kW additional heating element – no calcification possible due to the dry heating element
- generously sized heat exchanger (1.2 m²) to connect further energy generators
- with circulation connection
- very quiet operation

Full range
of ventilating
accessories
available

Smart Control

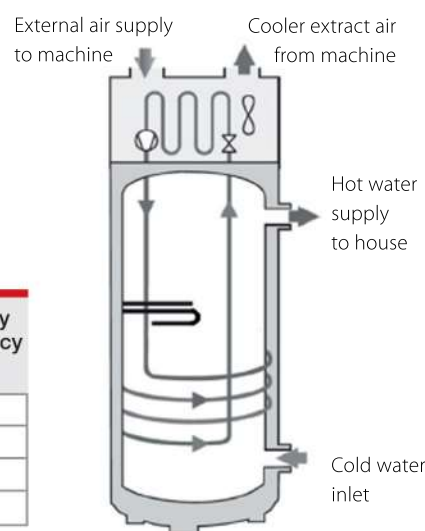
- Smart PV Control – intelligent photovoltaic boost function with two interfaces
- Smart Auto Control – self-learning optimal temperature per individual user profile
- Smart Control – select the most economical source of energy
- Smart Energy Control – accurate energy consumption indicator
- Smart Remote Control – I/O Home Control for control with smartphone/tablet
- Smart KWL – fan function for controlled ventilation

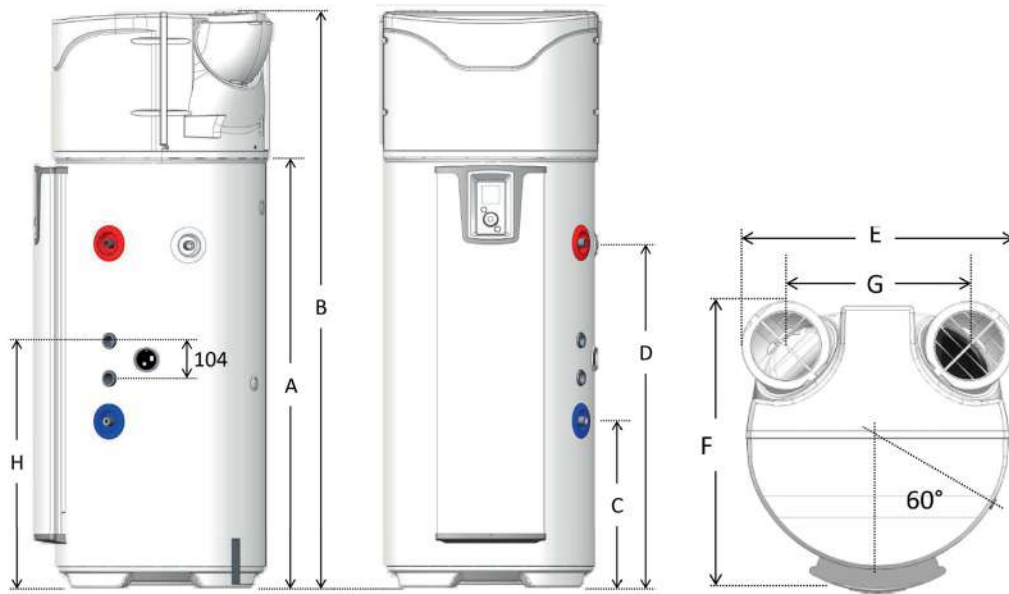
5 year
Guarantee
Storage tank

5 year
Guarantee
Electronics

ECO DESIGN – LABELLING

Type	Heat Loss according to EN12897 in kWh/4h	Energy efficiency class
EXPLORER EVO 200	0.120	A+
EXPLORER EVO 200 with heat exchanger	0.124	A+
EXPLORER EVO 270	0.120	A+
EXPLORER EVO 270 with heat exchanger	0.144	A+





DIMENSIONS The total minimum height between floor and ceiling for 200 L should be the following: 1.81 m and for 300 L: 2.15 m.

Model	A Condensation run-off mm	B Height total mm	C Cold water inlet mm	D Warm water outlet mm	E Width total mm	F Depth total mm	G Centre distance openings mm	H Heat exchanger inlet mm
EXPLORER EVO 200	1221	1609	304	961	620	665	418	-
EXPLORER EVO 200 with heat exchanger	1221	1609	462	961	620	665	418	581
EXPLORER EVO 270	1562	1949	304	1300	620	665	418	-
EXPLORER EVO 270 with heat exchanger	1562	1949	462	1300	620	665	418	581

TECHNICAL INFORMATION

Model		200 L	270 L
Dimensions (HxWxD)	mm	1609x620x665	1949x620x665
Empty weight (without heat exchanger)	kg	85	93
Empty weight (with heat exchanger)	kg	100	108
Memory capacity	L	200	270
Hot and cold water connection		3/4" M	3/4" M
Heat exchanger connection		1" M	1" M
Pipe coil heat exchange surface	m ²	1.2	1.2
Heat exchange rate at 60°C	kW	16	16
Corrosion protection		ACI Hybrid	ACI Hybrid
Nominal pressure indicators	bar	8	8
Electrical Connection (voltage/frequency)	-	230 V/50 Hz	230 V/50 Hz
Maximum power consumption of the device	W	2465	2465
Maximum power consumption of the hot pump	W	665	665
Power consumption of electric booster heater	W	1800	1800
Adjustment range for domestic hot water temperature during WP operation	°C	40 to 62	40 to 62
Adjustment range for heat pump (air temperature range)	°C	-5 + 43	-5 + 43
Air duct connection diameter	mm	160	160
Air throughput (without air duct connection) Speed 1	m ³ /h	300	300
Air throughput (without air duct connection) Speed 2	m ³ /h	390	390
Reliable pressure drop in the air circuit without reduction in performance	Pa	25	25
Sound power level	dB(A)	50.3	50.3
Sound pressure level at 2 m without obstacles	dB(A)	33.5	33.5
Refrigerant quantity R134a	kg	1.25	1.35

Subject to technical alterations, errors and misprints excepted.

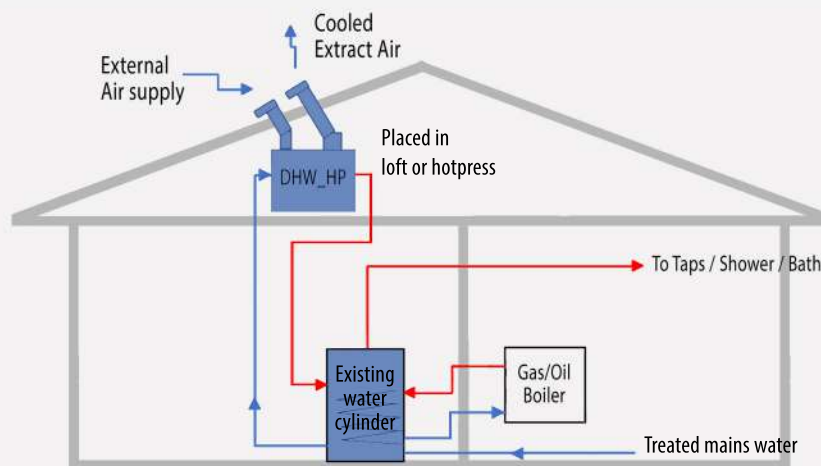


MODULAR HEAT PUMP Retro 3.0kW HP

- For use with a new or existing hot water tanks (from 100 to 500 liters)
- Reliable and durable Panasonic rotary compressor, heat pump
- G-426 controller with the function of cooperation with the boiler
- High efficiency COP = 4.15 (A15 / W15-45) and very low noise level 45 dB (A) (in the source)
- Minimum recommended outside air temperature: -5 C
- Maximum hot water temperature: 60 C
- 3-year warranty (when registering the checklist)

SCHEME OF THE SYSTEM WITH A DHW_HP_RETRO HEAT PUMP

The Retro 3.0kW modular heat pump can be connected, for example, to an already existing DHW cylinder.



**Suitable for
treated mains
water only!**

The heat pump is connected directly to the drinking water (no additional coil in the tank is required).

Heat pump performance		
Nominal volume	L	100-500
Air operating range	°C	0-40
Achievable hot water temperature via heat pump	°C	60
Air flow	m ³ /h	350/500
Sound	dB(A)	45
Coefficient of performance A15/W15-45		4.35
Heating time		Depends on volume

Dimensions and connections		
Dimensions L/W/H	mm	720/600/490
Weight	kg	45
Air duct diameter	mm	150
Water connections	inch	3/4
Condensate tube	mm	16
Electrical supply		230V- 50Hz 1P&N
IP rating		IPX1
MCB type C		16

**Full range
of ventilating
accessories
available**