

EcoVolt H2o

EXHAUST AIR HYBRID HOT WATER SYSTEM

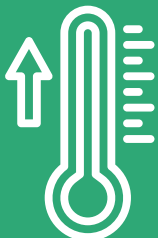
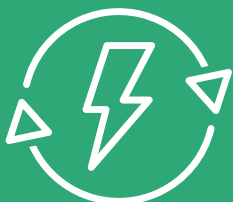


EUROPE'S MOST EFFICIENT HOT WATER SYSTEM

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HOW DOES ECOVOLT H2o WORK?

- The EcoVolt H2o uses a powerful fan to pull air from bathrooms, kitchens and the atmosphere. This air flows across an evaporator containing a low temperature, low pressure refrigerant.
- The heat in the air is transferred to the refrigerant via the evaporator, then released into the atmosphere. The air leaving the system is now cold, due to the heat being drawn from it into the refrigerant.
- The refrigerant having extracted the heat from the air, then moves to the panasonic compressor, which increases the refrigerants pressure & temperature.
- This high pressure, high temperature refrigerant travels from the compressor to the condenser coil inside the tank. The heat from the refrigerant transfers to the water via the coil.
- Having transferred the heat to the water, the refrigerant returns to a low temperature and pressure, and reverts to the evaporator.
- The cycle continues until the refrigerant has transferred enough heat to bring the stored water to its desired temperature.
- Once the water has reached the desired temperature, the EcoVolt H2o will switch off.

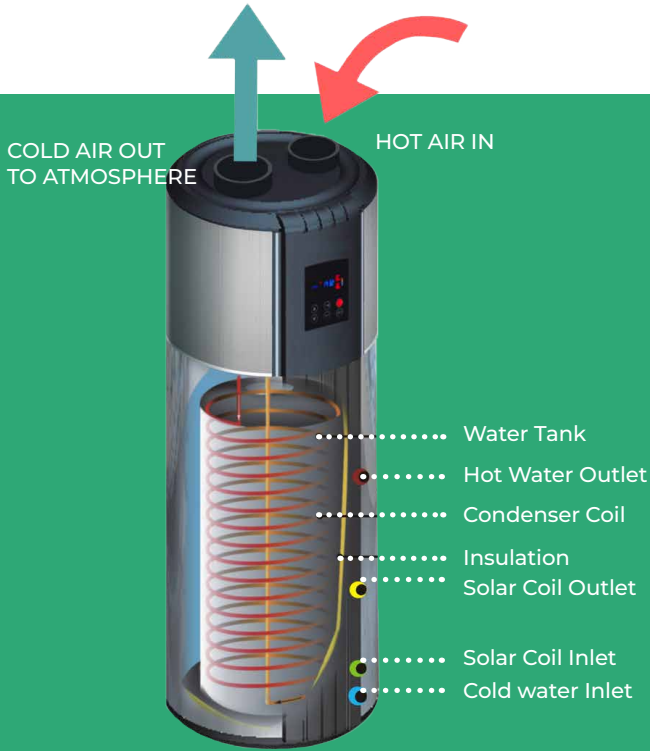


BENEFITS OF ECOVOLT H2o

- The product comes with an A+ energy rated label and is a renewable energy product as certified by TUV SUD
- Uses up to 70% less energy than a traditional electric immersion cylinder
- Internal tank insulation means the temperature only drops 1°C every 6 hours
- 3 sizes available to suit small apartments to large family homes

**EXHAUST AIR HYBRID
HOT WATER SYSTEM**

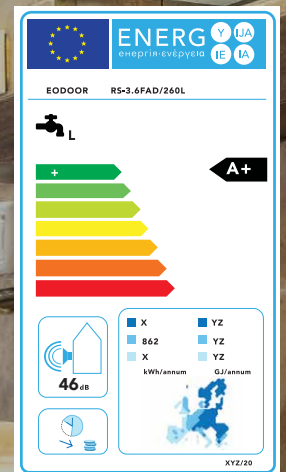
Using 70% less energy than traditional electric water heaters on the market, The EcoVolt H2o takes waste heat from the surrounding internal air to heat your domestic hot water. The system comes in 3 sizes (190L, 260L,300L), suiting small apartments to large family homes.



SPECIFICATIONS

- Efficiency (COP) of 4.1 measured to European standard EN 16147
- Efficiency COP 2.86 with internal air supply of 7°C. Efficiency COP increases to 4.1 with an internal air supply of 20°C
- Heating capacity of 2800W with electric consumption of 700W
- The 260 L and 300 L models come with an additional hybrid coil that can be connected to a thermal solar panel or boiler if required
- Internal tank insulation means the temperature only drops 1°C every 6 hours

UP TO
70%
ENERGY SAVINGS



This product is one of the products in the EcoVolt NZEB suite. The European Energy Performance of Buildings Directive requires all new buildings to be Nearly Zero Energy Buildings (NZEB) by 31st December 2020.

H2o TECHNICAL SPECIFICATIONS

MODEL NO.	JT-H2o/190	JT-H2o/260	JT-H2o/300
SIZE (MM)	650 x 1600	650 x 1790	650 x 1890
WEIGHT	83 kg	98 kg	110kg
CAPACITY	190 l	260 l	300 l
CERT. OBTAINED	CE, EN16147, A+	CE, EN16147, A+	CE, ERP, EN6147,A+
RATED INPUT POWER	0.7 KW		
RATED HEATING CAPACITY	2.8 KW		
RATED CURRENT	3.2A		
POWER SUPPLY	220V/50HZ		
REFRIGERANT	R134A (110G)		
COMPRESSOR	PANASONIC / ROTARY FOR R134A		
OUTLET WATER TEMP.	60C (HIGHEST TEMPERATURE = 70C)		
COP (EN16147 STANDARD)	2.86 AT 7 C; 3.88 AT 15 C; 4.21 AT 20 C		
EXTERIOR CASING	BRUSHED STAINLESS STEEL SUS304 (0.6 MM THICKNESS)		
INNER WATER TANK	STAINLESS STEEL SUS304 (1.5 MM THICKNESS)		
CONDENSER COIL	STAINLESS STEEL SUS 316L (9.52 MM X 0.7MM X 30 MM)		
EXPANSION VALVE	ELECTRONIC EXPANSION VALVE		
EVAPORATOR	6CTJ (480 MM X 64.5MM X 350 MM)		
VENTILATION	CENTRIFUGAL (INPUT POWER 65 W)		
AIR FLOW	450M3/H		
AIR DUCT SIZE	150 MM		
ELECTRIC RESISTANCE	2KW		
WORKING RANGE, W/ RESIST.	-15C -43C		
WORKING RANGE, NO RESIST.	-7C -43C		
ANTI CORROSION FOR TANK	MAGNESIUM ANODE (21 MM X 450 MM)		
ANTI-LEGIONNAIRE DISEASE	WATER HEATED UP TO 70C		
NOISE	46DBA		



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