

Hot Water Heat Pump

Highly efficient heat pump cylinder.
Designed for low-carbon housing.



Meet the UPOWA Hot Water Heat Pump, our floor standing domestic hot water heat pump cylinder.

Extremely energy-efficient, sustainable and energy-saving, it uses thermal energy to heat hot water on demand. This thermal energy is collected via an external air duct.

It comes with integrated controls to ensure user-friendly, simple operation. The appliance can also be powered by solar electricity generated by a PV system, saving more energy.

The UPOWA Hot Water Heat Pump offers housing developers the perfect renewable hot water heat pump solution to future-proof their developments and reduce carbon emissions.

Key features

- Highly energy-efficient and reliable cylinder
- Achieves high COP of >3.05 (EN:16147)
- ERp A+ rated
- Compact 580mm x 1910mm cylinder with 200L storage
- High-quality, safe and reliable performance
- Hot water on demand without any need for a back-up heater
- Integrated 1.5kW electrical back-up heating function
- Can utilise electricity generated by solar panels to achieve higher levels of efficiency and energy savings
- LED display for simple and easy operation
- Five-year warranty

Electrical specifications

Heat pump (in accordance with EN 16147:2017)

Rated power input	0.6kW
Rated current	2.61A
Maximum power input	0.95kW
Maximum current	4.13A
Power supply	220-240V/50Hz
Load profile	L
Energy efficiency	156.8%
Energy efficiency class	A+
COPDHW	3.05
Mixed water at 40°C	265.3L
Operating temperature	-7 to 43°C
Maximum water outlet temperature	65°C
Heat up time	3h:44 minutes
Refrigerant type and volume	R134a/0.9kg

Electrical back-up heating

Rated power input	1.5kW
Rated current	6.52A
Maximum water outlet temperature	75°C

Water tank

Storage volume	200L
Inner tank	Enamelled water tank
Maximum operating pressure	0.8Mpa
Water inlet/outlet pipe	DN20mm
Drainage pipe	DN20mm
Magnesium rod joint	M33mm
PT valve joint	DN15mm

Mechanical specifications

Operational mode	Heat pump, assistance, automatic and boost mode
Sound power level (in accordance with EN 12102-1-2017)	≤59dB
IP Rating	IPX4
Anti-shock class	I
Product dimensions	580mm x 1910mm
Product weight (when empty)	97kg
Product weight (when filled)	106kg

Compliance

Certification and safety standards	To be confirmed
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