





EarthSaveProducts
Renewable Energy Solutions



(MEV) EAHP - HOT WATER - HEAT RECOVERY - SYSTEM

Compare the specification:

Model		200/300	Maxi 300
			
ErP Energy Label		A	A
Power Supply		230V~/50Hz	230V~/50Hz
Heating Power Input	kW	0.64	0.89
Rated Heating Capacity (ASHP only)	kW	2.3	3.45
Rated Current Input	A	2.78	3.86
Moisture resistance		IPX1	IPX1
Rated outlet water temp.	°C	55	55
Aux heating element	L	1.5	1.5
Water tank capacity	kW	200/300	300
Expected Recovery Time	L/Min	1.1	1.4
Air Pressure	Pa	40	50
Air Volume (max)	m³/hr	350	450
Water Connection		3/4"	3/4"
MCS Approved		✓	✓
Integrated Cylinder		✓	✓
Corrosion protection (anodes)		Mag + Titanium	Mag + Titanium
Aux Water Coil (additional heat)		2	2
Noise	dB(A)	45	45
Net weight	kg	89/92	107
Net Dimensions (L/W/H)	mm	560x560x1705 640x640x1800	640x640x1945

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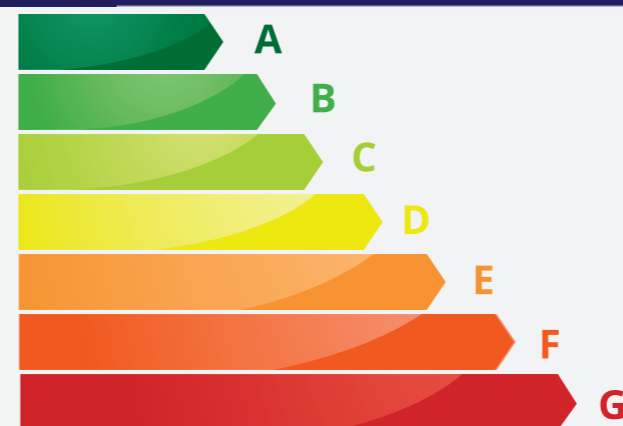
Your local distributor is:



Instant heating: Ambient temp. (DB/WB): 15°C/ 13°C, Water temp. (In/Out): 15°C/55°C
Work range: Ambient temp is 0-43°C/24°C. Max temp of water tank is 60°C
The data above is for reference only. For more specific data, please refer to the dataplate on the unit.



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It's not by chance...

The ESP Ecocent range of Air Source Heat Pump (ASHP) based water heaters are the industry leaders.

Innovative design founded on experience, quality of materials, coupled with attention to detail - all essential ingredients in an Earth saving product.



How does an Ecocent work?

The Ecocent MEV-EAHP Hot Water and Ventilation System is a unique product that has been tested and approved by the Building Research Establishment for inclusion in the Government Approved SAP Software which is the mandatory system used to calculate property SAP Ratings and Energy Performance Certificates (EPCs)

In recent years, developers have often resorted to installing PV and Solar Hot Water Panels to achieve compliant SAP ratings on new build properties, the ECOCENT MEV-EAHP can help achieve a compliant SAP RATING without the need for either of these systems, which often upset

the cosmetics of the property exterior and which rely on a suitable property orientation.

The use of an Ecocent MEV-EAHP Hot Water and Ventilation System will help new build properties achieve compliance of both Part L and F of the Building Regulations, but its use is not limited to new build properties, it is a system that can easily be incorporated in most properties new or old and can dramatically improve energy efficiency and the living environment.

THE ECOCENT MEV-EAHP combines

- AN UNVENTED HOT WATER CYLINDER (200ltr-300ltr)
- AN MEV VENTILATION SYSTEM (extraction for all wet rooms)
- AN AIR SOURCE HEAT PUMP (internal)
- WASTE HEAT RECOVERY (whilst in Hot water production mode)
- DEHUMIDIFICATION

There are **NO** additional specialized trades required to install the ECOCENT MEV-EAHP.

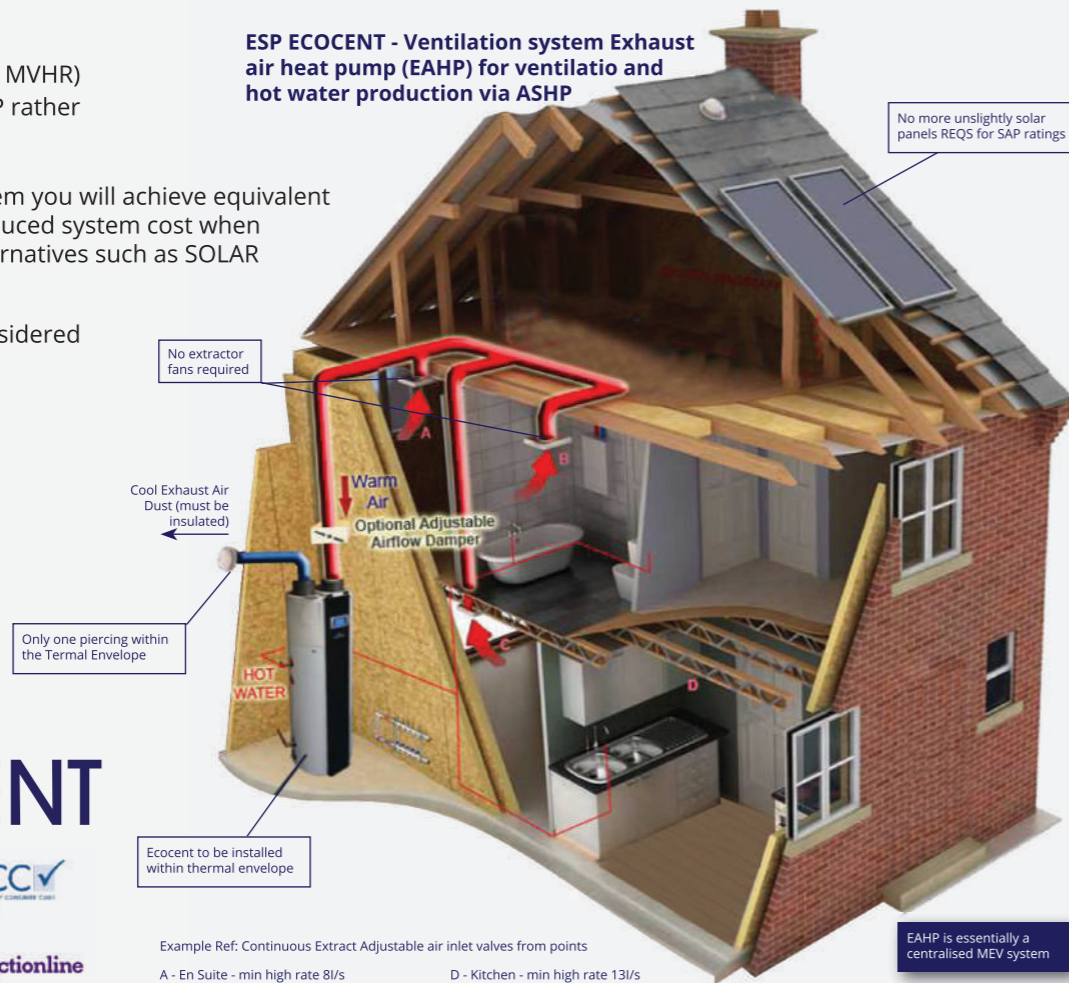
- Standard G3 plumbing in unvented hot water cylinders
- Simple ducting installation (similar to MVHR)
- Simply install an ECOCENT MEV-EAHP rather than a standard hot water tank

By installing an ECOCENT MEV-EAHP system you will achieve equivalent or improved SAP RATINGS at a greatly reduced system cost when compared to other renewable energy alternatives such as SOLAR PV, SOLAR THERMAL etc...

There are other cost reductions to be considered by installing the ECOCENT MEV-EAHP

- NO REQUIREMENT FOR EXTRACTOR FANS IN WET ROOMS
- NO TRICKLE VENTS REQUIRED IN WET ROOMS
- NO REQUIREMENT FOR MULTIPLE CORING OR PIERCING OF THE THERMAL ENVELOPE
- ONLY ONE AIR EXHAUST PIERCING REQUIRED

ESP ECOCENT - Ventilation system Exhaust air heat pump (EAHP) for ventilatio and hot water production via ASHP



5 GOOD REASONS TO INSTALL AN ECOCENT

101 SAVES YOU LOTS OF MONEY

Simply put, the Ecocent is enormously efficient. For every 1KW of electricity you put in, you get about 3-4KW of energy out! That's not a typo. If you compare that with say an immersion heater, where every 1KW of energy you put in you'll likely get no more than 0.95K back, it's easy to see how much less power you'll use with a Ecocent - and how much you'll save.



102 REMOVES CONDENSATION and reduces humidity

The Ecocent draws in moist and steamy air from bathrooms and kitchens, and while it's harvesting the energy from that air it removes the water vapor too. So unlike with a traditional bathroom extractor fan, or even an open window, with an Ecocent mildew and mould are things of the past. Not only that but even hot and humid summer days feel better too!



103 IMPROVES AIR QUALITY

Apart from removing moisture and humidity, the Ecocent can also improve the air quality in your home. When used as an MEV it very gently draws air from all over your home IN to key areas such as kitchens and bathrooms. Because the air pressure is going to be slightly lower in those areas, all nasty niffs and odours won't permeate OUT to the rest of the house, leaving air fresher and purer.



104 TURN OFF YOUR BOILER

Because your Ecocent can efficiently supply all your domestic hot water requirements all year round, when you don't need to heat your house you simply don't need your boiler turned on. So when the weather warms up, switch the boilers off and stock up on your oil or LPG for winter at cheaper summer prices and save even more!



105 SLEEP PEACEFULLY

With an Ecocent as part of you MEV solution, there's no need for noisy extractor fans that can wake you up when someone uses the bathroom at night. You can also relax in the reassuring knowledge that your household bills are going to be lower!

