

AIR TO WATER HEAT PUMP

INVERTER HEAT PUMP

www.esavep.com

The ESP Inverter Heat Pump is one of the most "intelligent" air source heat pump units on the market. The unit has full weather compensation capability driven by a number of parameters to ensure minimum power usage whilst maintaining your home or office at the temperature of your choice. Our inverter units have an output capacity from 4kW to 19kW and run on 30Hz to 80Hz.



Features:

- The frame and cabinet are made from galvanised steel that is powder coat painted for durability.
- The units are compact, attractive and unobtrusive.
- The heat exchanger is a tube in shell design for maximum efficiency.
- Wilso water pumps are fitted.
- Use R410a refrigerant for wide operating temperature capability.
- System water flow protection included.
- Control panel is fully water resistant.
- Micro-processor used to maintain optimum operating duty (Carel controller available as option and includes remote operating instructions capability).
- The evaporator is hydrophically coated to help prevent debris sticking to it.
- Automatic defrost function with trace heating support.
- Thermostatic or electric expansion valve is used.
- Every unit is tested before it leaves our factory.



Specification

MODEL	ESP (INV)	4-12 IHP	6-19 IHP
Heating Capacity	kW	4.2~12.3	6.3~19.5
	BTU/h	14,339~41992	21,508~66,573
COP	W/W	3.97~4.39	4.03~4.49
	Cooling Capacity	kW	2.85~7.5
BTU/h		9,730~25,605	15,909~46089
ERR	W/W	2.15~2.70	2.13~2.75
Power Supply	V/Ph/Hz	230/1/50	230/1/50
Compressor	-	Rotary	Rotary
Fan Quantity	-	1	2
Net Dimensions (L/W/H)	mm	1190/445/750	1385/450/1180
Shipping Dimensions (L/W/H)	mm	1200/490/800	1390/500/1300

Heating: Ambient temp.(DB/WB): 7°C/6°C, Water temp.(In/Out): 30°C/35°C;
Cooling: Ambient temp.(DB/WB): 35°C/24°C, Water temp.(In/Out): 12°C/7°C;
The above data is for reference only; specific data is subject to the product nameplate.