



Heatinverter

BY FAIRLOCKS

Installation Notes

Determine the electrical supply required from the table below;
Technical Specifications (standard and plus range)

Model	FPPH30	FPPH45	FPPH60	FPPH60s**	FPPH75s**
Heating capacity (kW)***	12	16	23	23	30
COP***	≥6,2	≥6,2	≥6,2	≥6,2	≥6,2
Pool volume m ³ (with pool cover)	40-60	50-80	80-110	80-110	100-150
Water flow m ³ /hr	≥5	≥6,5	≥10	≥10	≥10
Rated power/ max power (kW)	1,8/2,4	2,4/3,1	3,7-5,6	3,7-5,6*	4,5-6,3
Power supply	220-240V/ 1Ph / 50Hz			380V/ 3Ph/ 50Hz	
Rated current / max current (AMP)	8,2/11,0	10,9/14,1	17,5/26,5	5,6/8,5	6,8/9,5
Heat Exchanger	Titanium in PVC (Patent Design)				
Compressor	Rotary	Rotary	Scroll	Scroll	Scroll
Fan direction	Horizontal	Horizontal	Horizontal	Horizontal	Horizontal
Noise (dB(A))	≤48	≤50	≤56	≤56	≤58
Water connections (Inch)	1.5"	1.5"	1.5"	1.5"	1.5"
Net dimension - LxWxH (mm)	1000x300x830	1000x380x730	1110x425x930	1110x425x930	1200x425x930
Net weight / gross weight (Kg)	65/70	85/93	102/110	102/110	123/133

* Above data is subject to modification without notice.

** Three phase units available to order only.

*** Air and water temp of 26°C

It is essential to use a "C" type or motor rated MCB to allow for the initial start up current.

The above supplies require terminating into a suitable double/triple pole IP rated (waterproof) Isolator positioned within one meter of the Heat Inverter.

The heat inverter should be positioned on a flat level surface, 300mm from any adjacent walls/ surfaces on all sides to ensure adequate air flow.

When connecting the pipe work to the unit it will be necessary to use the supplied black plastic pipe inserts which convert the unions on the unit to imperial pipe sizes.

It is recommended to install isolating valves to the flow and return pipe work for maintenance and service issues.

The units are best suited to an outdoor location but can also be installed inside providing that there is adequate air flow, we can supply optional grilles and ducting at an additional cost.

Fairlocks can offer a full installation service (excluding the electrical supply) Please contact us for a quote.