

PREMIUM FULL-INVERTER POOL HEAT PUMP

HIGH-SPEC COMPONENTS AND PERFORMANCE

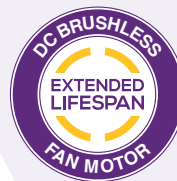
**LONGEST
WARRANTY
AVAILABLE**

**28kW
Single
Phase**










Benefits:

- Sleek attractive design
- Durable aluminium alloy casing built to last
- 50% higher efficiency
- More heating - Less electricity
- Solar PV Compatible
- Create your own swimming season - everyday or when it suits



ADVANCED WI-FI FOR YOUR CONVENIENCE

Easily monitor, control and manage the operation of your Vortex inverter heat pump when away from home.

- TURN ON/OFF 
- TIMER SETTING 
- DIAGNOSTICS 
- TEMPERATURE CONTROL 
- WEATHER CONDITIONS 
- SILENCE/SMART MODE SETTINGS 
- HEATING AND COOLING MODE 





The Vortex-Pro's full inverter technology offers the ability to dynamically vary the working frequency of the inverter compressor, boasting even greater performance. This, coupled with the synchronisation of the fan and compressor speeds, optimises air flow to and from the swimming pool heat pump.

Features:

- Heating & Cooling operation modes
- Spiral titanium heat exchanger
- Variable speed Mitsubishi compressor
- Corrosion-resistant aluminium casing
- Built-in WiFi control
- Eco-friendly R32 refrigerant
- Front discharge
- Super quiet operation

MODEL		10	13	17	21	28	35 - Three Phase	
PERFORMANCE AT AIR 26°C, WATER 26°C, HUMIDITY 80%								
Heat Capacity	kW	10.3	12.8	17.3	20.4	27.3	35.6	
COP		14.5 ~ 6.9	15.0 ~ 7.4	14.8 ~ 5.9	14.5 ~ 5.7	14.6 ~ 6.2	15.5 ~ 5.5	
PERFORMANCE AT AIR 15°C, WATER 26°C, HUMIDITY 70%								
Heat Capacity	kW	7.1	8.9	11.4	14	18	24	
COP		7.3 ~ 4.6	7.7 ~ 4.8	7.5 ~ 4.3	7.4 ~ 4.2	7.8 ~ 4.6	7.7 ~ 4.5	
GENERAL								
Rated input power at air 15°C	kW	0.19 ~ 1.5	0.22 ~ 1.73	0.3 ~ 2.6	0.38 ~ 3.3	0.57 ~ 3.8	0.62 ~ 5.2	
Rated input current at air 15°C	A	0.83 ~ 6.5	0.96 ~ 7.52	1.3 ~ 11.3	1.65 ~ 14.3	2.48 ~ 16.5	0.89 ~ 7.4	
Circuit Breaker	A	10	15	15	20	20	15	
Power Supply		240v / 50Hz / 1PH					380v / 50Hz / 3PH	
Pool Volume - Cold Climate	Litres	≤20,000	≤30,000	≤40,000	≤50,000	≤60,000	≤80,000	
Pool Volume - Warm Climate	Litres	≤30,000	≤40,000	≤50,000	≤60,000	≤70,000	≤100,000	
Advised Flow Rate	L/min	50 ~ 67	67 ~ 100	109 ~ 142	134 ~ 167	167 ~ 200	200 ~ 300	
Inlet / Outlet	mm	50						
Compressor		Twin-rotary Mitsubishi DC inverter						
Heat Exchanger		Spiral Titanium Tube in PVC						
Refrigerant		R32						
Casing		Aluminium-alloy						
Noise Level (1m)	dBA	38.6 ~ 49.9	42.1 ~ 50.7	43.1 ~ 53.8	40.9 ~ 54.2	43.5 ~ 54.9	42.6 ~ 54.7	
Noise Level (10m)	dBA	18.6 ~ 29.9	22.1 ~ 30.7	23.1 ~ 33.8	20.9 ~ 34.2	23.5 ~ 34.9	22.6 ~ 34.7	
WEIGHT / DIMENSIONS								
Net Weight	kg	49	50	63	68	90	120	
Net Dimensions L x W x H	mm	894x359x648	954x359x648	954x429x648	954x429x755	1084x429x948	1154x539x948	

The sizing of heat pumps are based on pool volume for seasonal swimming with the use of a Heatseeker Diamond Pool Cover

Vortex Switch and Link: Smart Control Solutions

The Vortex-Switch or Vortex-Link are ancillary products that assist in the primary operation of the heat pump.

Vortex-Link is used for autonomous control of heat pumps in line with the filtration system.

Vortex-Switch is used for a plug and play automation of the heat pump systems with independent circulation pumps.

Warranty

