INVERTER PLUS HEAT PUMP

AQUA Pro

The Aqua Pro Heat Pump Inverter Plus range is South Africa's premium and leading pool heating solution. With a full range of heat pumps, the Inverter Plus range provides you, your family or business with the ultimate swimming experience.

With full inverter technology, the Aqua Pro Inverter Plus enables the heat pump to change its power mode according to different working conditions. With the technology, the Aqua Pro Inverter Plus heat pump can reach a COP with a quiet running noise level.

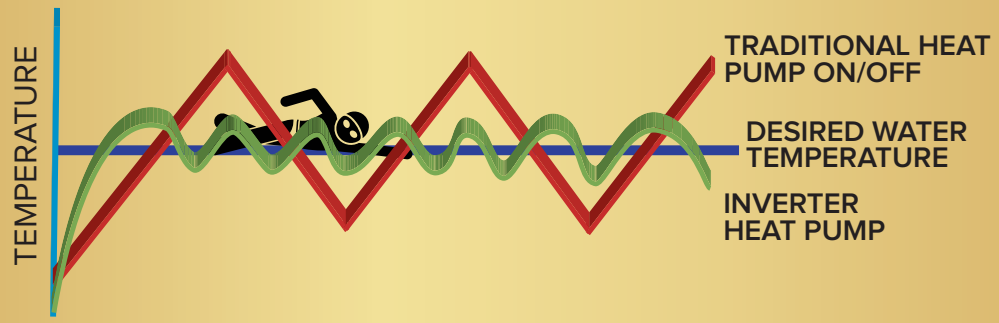
Specifically designed for Southern Africa's harsh weather conditions. Aqua Pro Inverter Plus Heat Pumps are factory preset for optimal running efficiency, ensuring plug in and play, easy installation, premium components such as titanium heat exchanger, high performance compressor, weather-proof housing; as well as standard built in Wi-Fi functionality

The full range has energy efficient technology optimizing the level of energy consumption and is suitable for both salt chlorinated and chlorine pools.

EASY CONTROL AND OPERATION

The unit is very easy to operate: simply switch it on and set the desired pool water temperature. The system includes a micro-computer controller, allowing all operation parameters to be set. Operation status can be displayed on the controller with LCD display and a smartphone.

TEMPERATURE CONTROL



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PUMP SIZE	POOL SIZE (LITERS)
5.6kW	UP TO 20,000L
9.5kW	UP TO 35,000L
12.5kW	UP TO 50,000L
17kW	UP TO 70,000L
21kW	UP TO 100,000L
26kW	UP TO 110,000L
31kW	UP TO 165,000L

DC FAN MOTOR

Stepless speed adjustment, intelligently matching air volume according to system requirements.

DC INVERTER COMPRESSOR

Intelligently match the operating frequency according to the load, and intelligently output on demand.

ENERGY SAVING

The compressor will automatically lower its speed to lessen the power consumption to reach the desired temperature, up to 15-30% less power consumption.

LONG LIFE-SPAN

The heat exchanger is made of PVC & Titanium tube, which can withstand and prolong exposure to swimming pool water.

SUPER QUIET RUNNING

The Sound level of the whole unit can maintain very low about 40db at 1 meter. No more disturbing to neighbours.

SOFT START

With DC Inverter compressor, heat pump starts from 0Amps to rated Amps steadily. There is no strike to the house electricity system.

FAST HEATING

After the heat pump is started, it will run at maximum capacity and reach the set temperature faster than other heat pumps.

PUMP SIZE		5.6kw	9.5kw	12.5kw	17kw	21kw	26kW	31kW
MEASURING CONDITIONS								
AIR 24°C WATER 26°C	HEATING CAPACITY (Btu)	20500~6200	32500~8200	42700~10300	58100~12000	71700~14000	88800~17500	105800~20900
	HEATING CAPACITY (kW)	6.08~1.8	9.5~2.4	12.5~3.0	17.0~3.5	21~4.1	26.0~5.1	31.0~6.1
	INPUT POWER (kW)	1.03~0.14	1.61~0.19	2.19~0.25	3.09~0.32	4.12~0.37	4.73~0.43	5.64~0.52
	RUNNING CURRENT (A)	4.9~0.69	7.7~0.9	10.5~1.2	14.8~1.5	19.7~1.8	8.46~0.77	10.1~0.9
	COP (COP)	5.8~12.5	5.9~12.5	5.7~11.9	5.5~11.0	5.1~11.0	5.5~11.8	5.5~11.8
AIR 15°C WATER 26°C	HEATING CAPACITY (Btu)	19800~5200	24600~5600	28700~6500	42400~8900	49500~9900	61800~12300	74400~14700
	HEATING CAPACITY (kW)	5.8~1.5	7.2~1.6	8.4~1.9	12.4~2.6	14.5~2.9	18.1~3.6	21.8~4.3
	INPUT POWER (kW)	1.23~0.24	1.57~0.28	1.83~0.30	2.76~0.44	3.37~0.45	4.31~0.55	5.32~0.70
	RUNNING CURRENT (A)	5.9~1.2	7.5~1.3	8.7~1.5	13.2~2.1	16.1~2.1	7.7~0.99	9.5~1.3
	COP (COP)	4.7~6.2	4.6~5.7	4.6~6.2	4.5~5.9	4.3~6.5	4.2~6.5	4.1~6.4
REFRIGERANT		R32						
POWER SUPPLY (V/PH/HZ)		220-240V/1PH/50HZ					380-415/3PH/50HZ	
HEAT EXCHANGER		TITANIUM						
QUANTITY OF COMPRESSOR		1	1	1	1	1	1	1
COMPRESSOR		TOSHIBA						
QUANTITY OF FAN		1	1	1	1	1	1	1
FAN SPEED (RPM)		850	850	850	850	850	850	850
NOISE (Db(A))- 1m		40~51	40~51	40~51	41~52	44~55	46~58	46~58
WATER CONNECTION (mm)		40						
NETT DIMENSION (mm)	L	970	970	970	1045	1110	1110	1110
	W	360	360	360	370	415	455	455
	H	560	560	560	625	720	970	970
NETT WEIGHT (kg)		41	43	45	58	96	107	109
FUNCTION		HEAT & COOL, WI-FI CONTROL						