



WATER SYSTEMS



AIR/WATER HEATING/COOLING PUMP

- **Extend your swim season in comfort...**

The AQUA heat pump can turn your backyard pool investment into resort style living almost year round. Get the most out of your pool by keeping it comfortable and open longer.

An AQUA heat pump will give you the flexibility of warming your pool water in the winter months. Your backyard evening events are rarely slowed down by cool weather when you have an AQUA heat pump on duty.

- **Reversing Valve**

Heat-Cool units have a unique reversing valve that allows the heat pump to cool the pool water during the hot summer months to pleasant temperatures allowing you to swim comfortably and enjoy cool water in extremely hot temperature.

- **Set it and forget it**

The AQUA heating/cooling unit allows you to set your desired temperature of the pool during all the year and it will simply do the rest without the need for any additional settings, comes with a unique LED control.

- **Maximize your return...**

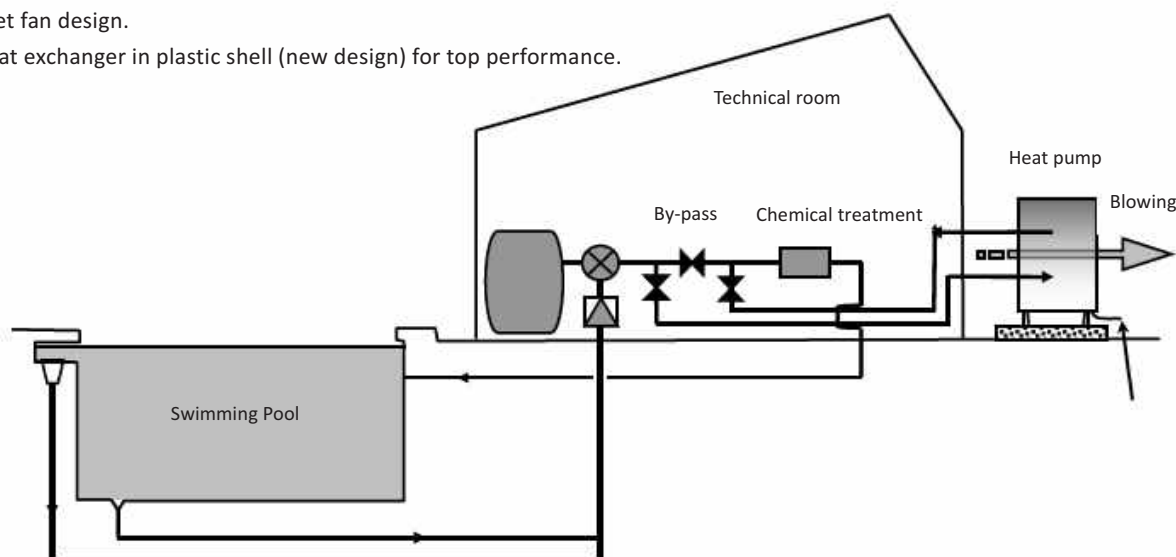
The heating/cooling unit of AQUA can cut your operating cost comparing to combustion oil or gas boilers & electrical heaters to up to 80%, not to mention the easy installation and environment friendly.

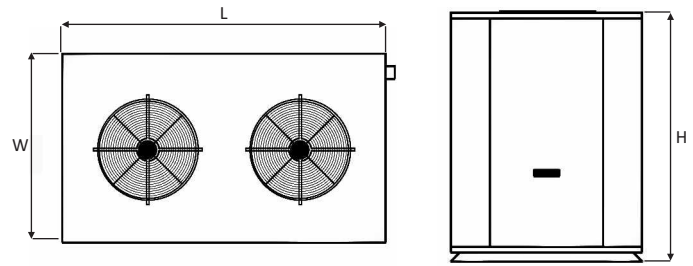
- **Long operating life**

Using high quality equipment and advance technology of Titanium water heat exchanger that withstands the abuses of harsh pool chemistry and erosion, the AQUA spiral exchanger also helps reduce deposit build-up.

FEATURES:

- Phase monitor: Protects the compressor in case of phase loss or inversion.
- Defrosting: The unit defrosts the evaporator when the ventilator is activated.
- Scroll Compressor for bigger sizes: For silent and efficient functioning.
- Easy access electrical hookup.
- Stainless steel hardware won't rust or deteriorate.
- UV resistant paint coated shell resistant to rust.
- Hydraulic circuit with new design flow switch in the water inlet, connections in PVC or PPR threaded fittings.
- Made to perform in Extreme conditions.
- New quiet fan design.
- Spiral heat exchanger in plastic shell (new design) for top performance.





CODE		PH-02620	PH-02630	PH-02640	PH-02650	PH-02660	PH-02710
HEATING CAPACITY	BTU/H	32500	45000	55000	68000	85300	136000
	KW/H	9.5	13.2	16	20	25	40
COOLING CAPACITY	BTU/H	27000	37500	48000	58000	72000	120000
	KW/H	8	11	14	17	21	35
POWER INPUT	KW	1.9	2.6	3.2	4.2	5.0	9.0
AMPERE	A	9	13	15	7.1	8.8	15.9
EFFICIENCY	COP	5	5	5	5	5	5
FAN COMPRESSOR		ROTARY*1	ROTARY*1	ROTARY*1	SCROLL*1	SCROLL*1	SCROLL*2
FAN POSITION		UPWARDS	UPWARDS	UPWARDS	UPWARDS	UPWARDS	UPWARDS
POWER INPUT	V/Ph/Hz	220/1/50	380/3/51	380/3/52	380/3/50	380/3/51	380/3/52
HEAT EXCHANGER		PVC					
NOISE LEVEL	dB(A)	48	51	51	57	57	61
WATER CONNECTION	mm	50					63
WATER FLOW	m ³ /h	4.5	6	6	7.5	9	15
WATER PRESSURE DROP	kPa	10	10	10	12	12	15
OPERATING TEMPERATURE RANGE	C°	5~55	5~55	5~55	5~55	5~55	5~55
REFRIGERANT		R22	R22	R22	R22	R22	R22
NET DIMENSIONS (L / W / H)	mm	710/710/760	710/710/760	710/710/760	710/710/760	710/710/760	1450/730/1300
WEIGHT NET/ GROSS	kg	71/78	105/115	110/120	114/125	135/145	250/270

CODE		PH-02713	PH-02715	PH-02720	PH-02730	PH-02740	PH-02750
HEATING CAPACITY	BTU/H	170000	273000	358000	460000	540000	615000
	KW/H	50	80	105	135	158	180
COOLING CAPACITY	BTU/H	147000	240000	270000	300000	358000	403000
	KW/H	43	70	79	88	105	118
POWER INPUT	KW	11.0	16.0	19.1	24.6	28.8	32.7
AMPERE	A	17.7	28.3	33.7	43.5	50.9	57.8
EFFICIENCY	COP	5	5	5	5	5	5
FAN COMPRESSOR		SCROLL*2	SCROLL*3	SCROLL*3	SCROLL*3	SCROLL*3	SCROLL*3
FAN POSITION		UPWARDS	UPWARDS	UPWARDS	UPWARDS	UPWARDS	UPWARDS
POWER INPUT	V/Ph/Hz	380/3/53	380/3/54	380/3/55	380/3/56	380/3/57	380/3/58
HEAT EXCHANGER		PVC	PVC	PVC	PVC	PVC	PVC
NOISE LEVEL	dB(A)	61	64	64	65	65	65
WATER CONNECTION	mm	63	63	63	76	76	110
WATER FLOW	m ³ /h	29	46	60	78	91	103
WATER PRESSURE DROP	kPa	15	20	20	24	28	30
OPERATING TEMPERATURE RANGE	C°	5~55	5~55	5~55	5~55	5~55	5~55
REFRIGERANT		R22	R22	R22	R22	R22	R22
NET DIMENSIONS (L / W / H)	mm	1450/730/1300	2150/764/1330	2150/764/1330	2100/1380/1330	2260/1620/1330	2260/1620/1330
WEIGHT NET/ GROSS	kg	265/285	510/570	610/670	820/870	910/950	1390/1420

• Note: Refrigerant gas can be changed to R407C or R410 as per request.

