

RANGE OF ELECTRIC HEAT PUMPS FOR PUBLIC POOLS



PUBLIC POOLS



HIGHLY-EFFICIENT ELECTRIC HEAT PUMPS

AHP SERIES

Astralpool's range of electric heat pumps for use in public pools provide quieter and easier operation than you could believe.

The **AHP series** ensure constant and reliable pool water temperature for heating and cooling on every commercial application.

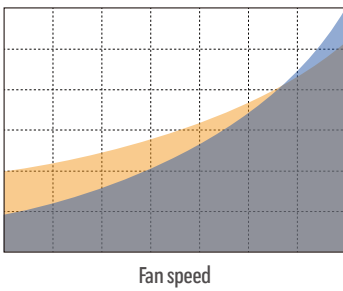
Suitable for use in all public pool environments including hotel/motel pools, splash parks, swim schools and large aquatic complexes.

AHP SERIES

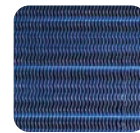
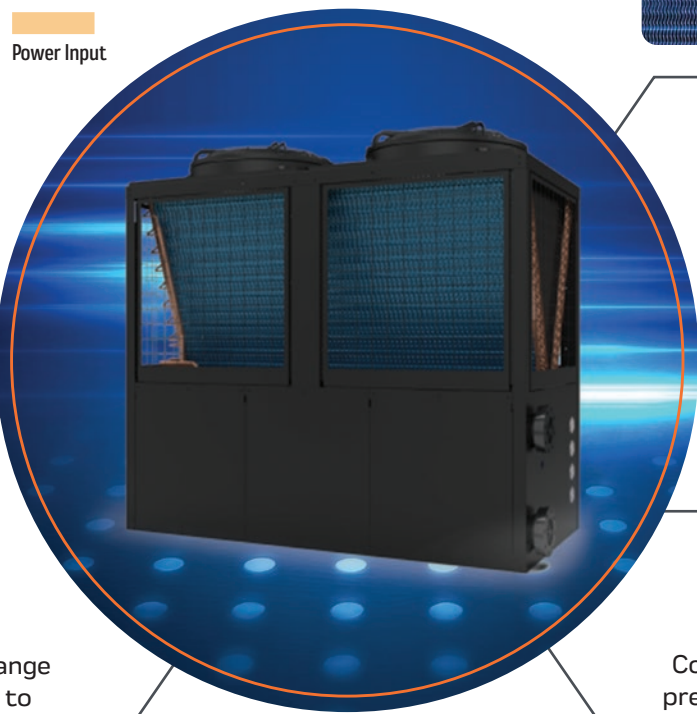
AHP-47 / AHP-58 / AHP-95 / AHP-120 / AHP-145 / AHP-190

COMMERCIAL POOL HEAT PUMPS

Astralpool's **AHP series** heat pumps are designed to cope with the demands of the modern aquatic facility, regardless of how large or small it is. Commercial air source heat pumps provide heating or cooling to meet your exact requirements year-round. A high grade powder coated cabinet along with double epoxy coated evaporator coil minimises potential for rust and corrosion, extending the operating life of the unit.



Variable speed fan adjusts to reduce power and as a result noise achieving energy savings and quieter running.



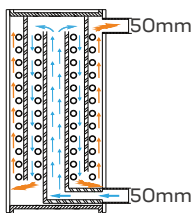
Double epoxy coated evaporator coil to provide high corrosion resistance



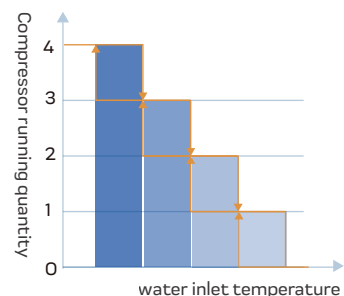
Electronic expansion valve to automatically adjust refrigerant flow rate maximising efficiency

Dual coil titanium heat exchange with enlarged surface area to provide increased efficiency


Copeland compressors with precise energy stage settings to achieve energy savings

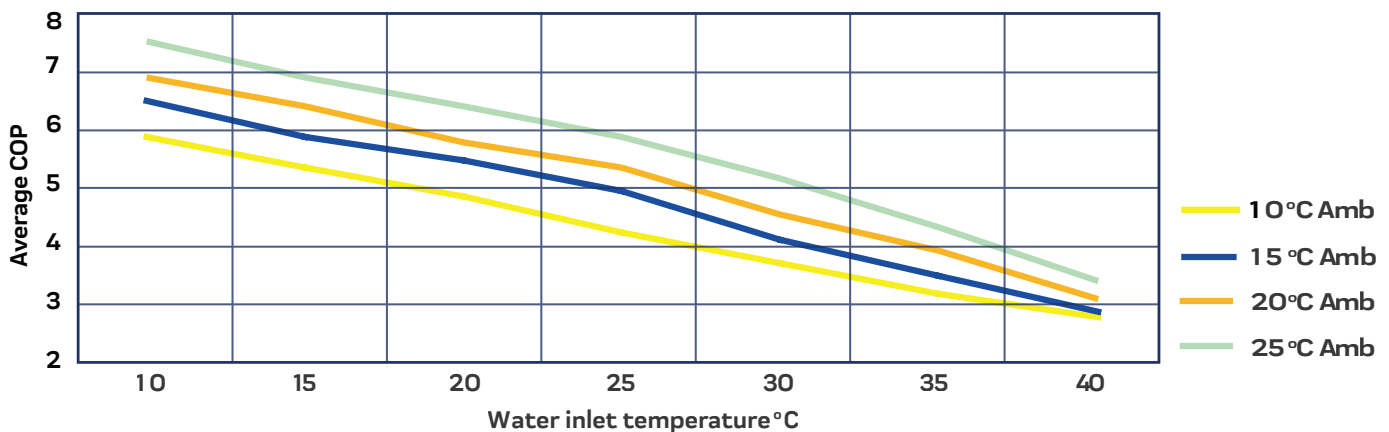


Titanium tube heat exchanger



TECHNICAL SPECIFICATIONS

ASTRALPOOL 		AHP-47	AHP-58	AHP-95	AHP-120	AHP-145	AHP-190
Performance Condition 1 (Air 24°C/Water 26°C/Humidity 63%)							
Heating Capacity	kW	47	58	95	120	145	190
Consumed Power	kW	9.4	12.8	17.3	21.0	25.5	32.8
COP	kW	5.1	4.5	5.5	5.7	5.7	5.8
Performance Condition 2 (Air 15°C/Water 26°C/Humidity 71%)							
Heating Capacity	kW	41.8	46.7	72.5	103.0	120.0	160.0
Consumed Power	kW	8.9	11.3	16.0	20.5	23.5	30.8
COP	kW	4.7	4.1	4.5	5.0	5.1	5.2
Performance Condition 3 (Air 7°C/Water 26°C/Humidity 87%)							
Heating Capacity	kW	33.0	39.8	56.0	78.0	100.0	125.0
Consumed Power	kW	8.2	10.6	13.7	18.0	21.5	29.4
COP	kW	4.0	3.8	4.1	4.3	4.7	4.3
Performance Condition 4 (Air 35°C/Water 30°C/Humidity 60%)							
Cooling Capacity	kW	24.0	29.7	37.2	51.8	59.5	95.7
Consumed Power	kW	8.8	11.8	17.7	20.2	27.4	37.8
COP	kW	2.7	2.5	2.1	2.6	2.2	2.5
Power Supply	380V-415V / 50HZ R410A						
Fan Quantity		2	2	3	2	2	2
Fan Input Power	watts	2 x 390w	2 x 390w	2 x 200w	2 x 615w	2 x 615w	2 x 2000w
Fan Speed	RPM	830	830	750	750	700	920
Sound Pressure Im	db(A)	61	61	61	69	71	67
Water Connection	mm	65	65	100	100	100	100
Required Flow Rate	m ³ /hr	15.0	19.5	29.0	35.0	62.0	60.0
Pressure Drop	kPa	12	15	16	16	16	21
Net Dimensions	L, W, H - mm	1490 x 735 x 1130	1490 x 735 x 1130	2180 x 1080 x 2030	2180 x 1080 x 2030	2180 x 1080 x 2030	2180 x 1080 x 2060
Shipping Weight	kg	310	315	660	670	710	910



A Fluidra Brand

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