



KALYAN
ENGINEERING

PEOPLE
THINK
IT'S 
MAGIC
WE CALL IT
ENGINEERING

SWIMMING POOL HEAT PUMP



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- ▶ As the pool pump circulates the swimming pool's water, the water drawn from the pool passes through a filter and the swimming pool heat pump. The Swimming Pool Heat Pump has titanium heat exchanger which can transfer heat from surrounding atmosphere to swimming pool water. The titanium heat exchanger makes longer life because of the corrosion resistance capacity. This system can be used in hotel, resorts, villas, jacussi and spa.
- ▶ It is available for R22 and R410 refrigerant.
- ▶ This system is available with output capacity of 10 to 250 KW.
- ▶ Higher capacity is also possible on request.

FEATURES

- ▶ Scroll compressor
- ▶ Titanium type heat exchanger
- ▶ No copper piping work at site
- ▶ Overload protection
- ▶ Digital Temperature controller for automatic operation
- ▶ High quality powder coated body
- ▶ High and low pressure protection
- ▶ Less chances of refrigerant leakage
- ▶ Easy installation and maintenance
- ▶ Refrigerant charged from factory
- ▶ High and Low voltage protection

MODLE SPECIFICATIONS

Description	Model	20 Magma SP	27 Magma SP	50 Magma SP	75 Magma SP	100 Magma SP
Total Heating Capacity	kW	10.5	15.0	25.0	35.0	50.0
Each Compressor Power Input	KW	2.1	3	5.2	7.1	5
No. Of Compressor	Qty	1	1	1	1	2
POWER CONSUMPTION	KW	2.1	3	5.2	7.1	10
COP	COP	5	5	5	5	5
Fan	Qty	1	1	1	2	2
Power Supply	V/ Hz	230/ 50	230 (415)/ 50	415/ 50		
Rated Output Water Temp	°C	32	32	32	32	32
Max Out Water Temp	°C	35	35	35	35	35
Circulation Pump Flow required	m3/hr	3 - 4	5 - 6	8 - 10	10 - 13	15 - 18
Compressor	Type	Rotary	Rotary	Scroll	Scroll	Scroll
	Refrigerant	R22	R22	R22	R22	R22
Ambient Temp	°C	5 to 45	5 to 45	5 to 45	5 to 45	5 to 45
Inner Pipe Dia	Inch	1	1	1.5	1.5	2
Outer Pipe Dia	Inch	1	1	1.5	1.5	2
Heat Exchanger	Type	Titanium Based	Titanium Based	Titanium Based	Titanium Based	Titanium Based
Pressure Protection	Type	HP and LP	HP and LP	HP and LP	HP and LP	HP and LP
Noise in 1 meter distance	dB	≤56dB(A)	≤56dB(A)	≤62dB(A)	≤62dB(A)	≤62dB(A)
Dimension L X W X H	mm	950 x 550 x 600	950 x 550 x 600	1000 x 650 x 600	1000 x 750 x 700	1450 X 750 X 1100

* Higher capacity details will be provided on request

INSTALLATION PHOTOS



THANK YOU

Contact Details:

KALYAN ENGINEERING

C/3 Devashray estate, phase 4, vatva, nr. Baroda express highway underpass, Ahmedabad - 382445

Ph. No.: +91 99989 52420. Mail ID: kalyaneng13@gmail.com & info@kalyanengineering.in

Website: www.kalyanengineering.in