



# POOL HEATPUMP SWIM ALL YEAR ROUND



ecoline

# HIGH QUALITY SWIMMING POOL HEAT PUMP

Sirair Eco-line Inverter pool heat pumps exploit the energy in the air, are effective and energy-efficient, easy to install and take up little space near the pool. The pool heat pump is equipped with a quiet rotation compressor for optimal efficiency rating, minimal vibration and long service life. Digital control includes several functions and permits easy setting of the pool temperature.

The materials used in the heat pump is designed to withstand the harsh weather conditions. The casing is made of ABS hard plastic (ideal for coastal regions) and the heat exchanger is made of titanium. Sirair inverter heat pumps are intended for heating of swimming pools or spa pools.

They use the heat in the surrounding air, transferring it efficiently via a heat exchanger to the pool's water.

Sirair Pool heatpumps uses a combination of optimized components, such as heat exchangers, refrigerants, electronic expansion valves and software for a very high efficiency COP.



## BASIC FEATURES

R410a Refrigerant



ABS Casing Anti-Rust



Inverter Technology



WI-FI function



Low-Noise Performances



1. Energy Saving: Pay 1kw, get up to 9.3kw back , saving up to 50% more compare to traditional non-invert pool heat pump;
2. Noise level 6 Times quieter than On/Off pool heat pump.

## HOW INVERTER SAVES YOU ON YOUR ELECTRICITY COST

**Inverter technology** makes swimming pool Heatpump reach an extremely high COP. Compared with normal heat pump in the market, inverter pool heater is of higher COP. It greatly saves energy /electricity and enables you to enjoy swimming without waiting for a long time.





## INVERTER POOL HEAT PUMP SPECS

Inverter technology makes swimming pool heat pump reach an extremely high COP. Compared with normal heat pump in the market, inverter pool heater is of higher COP. It greatly saves energy/electricity and enables you to enjoy swimming without waiting for a long time.

Model	MI07	MI09
Advised pool volume (m3)	15~30	20~40
Operating air temperature (°C)	7~43	7~43
Heating temperature (°C)	18~40	18~40
Performance Condition: Air 28°C, Water 28°C, Humidity 80%		
Heating capacity (kW)	7.0	9.0
COP	9.4~5.9	9.6~5.6
COP at 50% capacity	8.5	8.3
Performance Condition: Air 24°C, Water 26°C, Humidity 80%		
Heating capacity (kW)	6.5	8.4
COP	8.8~5.5	8.9~5.2
COP at 50% capacity	7.9	7.7
Performance Condition: Air 15°C, Water 26°C, Humidity 70%		
Heating capacity (kW)	4.6	6.3
COP	5.9~4.3	6.0~4.3
COP at 50% capacity	5.8	5.6
Sound pressure at 1m dB(A)	39.6~52.8	40.5~52.5
Sound pressure of 50% capacity at 1m dB(A)	44.2	44.6
Sound pressure at 10m dB(A)	19.6~32.8	20.5~32.5
Heat exchanger	Spiral titanium tube in PVC	
Power supply	230V/1 Ph/50Hz	230V/1 Ph/50Hz
Rated input power at air 15°C (kW)	0.17~1.07	0.26~1.46
Rated input current at air 15°C (A)	0.74~4.65	1.13~6.34
Circuit breaker (A)	8.0	10.0
Power cord (mm <sup>2</sup> )	3×1.5	3×2.5
Advised water flux (m <sup>3</sup> /h)	2~4	3~4
Water pipe in-out size (mm)	50	50
Net Dimension LxWxH (mm)	872×349×654	872×349×654
Net weight (kg)	42	46





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2. Noise level 6 Times quieter than On/Off pool heat pump.

Model	MI13	MI17
Advised pool volume (m3)	30~60	40~75
Operating air temperature (°C)	7~43	7~43
Heating temperature (°C)	18~40	18~40
Performance Condition: Air 28°C, Water 28°C, Humidity 80%		
Heating capacity (kW)	12.5	15.7
COP	10.3~5.9	9.2~5.3
COP at 50% capacity	8.8	8.0
Performance Condition: Air 24°C, Water 26°C, Humidity 80%		
Heating capacity (kW)	11.7	8.4
COP	9.6~5.5	8.9~5.2
COP at 50% capacity	8.2	7.7
Performance Condition: Air 15°C, Water 26°C, Humidity 70%		
Heating capacity (kW)	8.5	11.3
COP	5.9~4.2	6.0~4.4
COP at 50% capacity	5.8	5.9
Sound pressure at 1m dB(A)	42.1~54.1	44.5~56.6
Sound pressure of 50% capacity at 1m dB(A)	47.0	48.8
Sound pressure at 10m dB(A)	22.1~34.1	24.5~36.6
Heat exchanger	Spiral titanium tube in PVC	
Power supply	230V/1 Ph/50Hz	230V/1 Ph/50Hz
Rated input power at air 15°C (kW)	0.36~2.02	0.48~2.56
Rated input current at air 15°C (A)	1.56~8.78	2.08~11.13
Circuit breaker (A)	15.0	18.0
Power cord (mm <sup>2</sup> )	3×2.5	3×4
Advised water flux (m <sup>3</sup> /h)	4~6	6~8
Water pipe in-out size (mm)	50	50
Net Dimension LxWxH (mm)	872×349×654	962×349×654
Net weight (kg)	49	60

