



Atecpool Mega Inverter Heat Pumps

High Capacity Inverter

For Commercial Installations



FIVE STARS HEAT PUMP



R410A
GAS

Less than
53dB



The most silent heat pumps

- Wi-fi Integrated
- Cost Effective
- COP up to 15



Atecpool Mega Inverter Heat Pump

Powerful saving commercial inverter



Easy Touch
Easy Run

WiFi Built-in
Touch Controller



Comfort Silence
53dB(A) at 1m

DC Inverter: Average COP 10

When maintaining pool temperature at 95% of pool season, the HP is running on 50% capacity which results in the best energy saving performance and most silent pool environment.

Silent Heat Pump

Patented Design

Atecpool Inverter Technology

R32/R410A production line

R410A GAS

Specifications

- Reverse cycle defrosting.
- 0-52°C operation.
- Aluminium-alloy casing.
- Mitsubishi Twin-Rotary Inverter Compressor.
- EEV Technology - 20% higher efficiency than capillary.
- Twisted Titanium Heat Exchanger - 40% higher efficiency.

Double Energy saving than on/off HP

Heat pump	Mega Inverter 60kW	On/Off HP 60 kW
COP (air 27°C / water 27°C)	10.5 @50% Capacity	5
Input power	2.86 kW	12 kW
Heating time (for 1°C)	9.67 hrs	4.83 hrs
Daily consumption	2766 kWh	5796 kWh
Yearly consumption (180 days)	4978.8 kWh	10432.8 kWh

Formula: $kWh = T \cdot V \cdot (m^3) \cdot 1.16$

Above calculation is just a reference when maintaining pool temp for well isolated pool under air 27°C / water 27°C



Atecpool Mega Inverter Heat Pump Specifications

Mega Inverter Heat Pump Specification

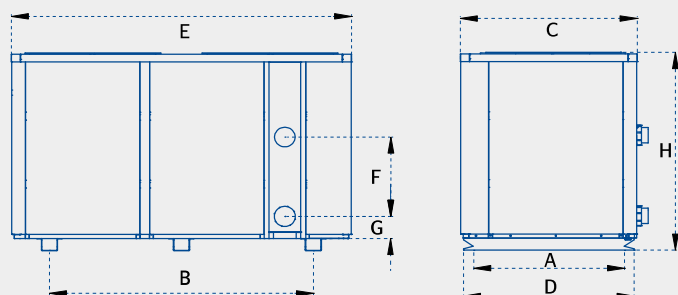
Model	AMHP060	AMHP090
Performance condition: Air 27°C/ Water 27°C/ Humid. 80%		
Heating capacity (kW)	60,2	115,0
Average COP at 50% speed	10,5	10,0
Performance condition: Air 15°C/ Water 26°C/ Humid. 70%		
Heating capacity (kW)	40,1	80,8
Average COP at 50% speed	7,0	7,0
Performance condition: Air 45°C/ Water 32°C/ Humid. 80%		
Cooling capacity (kW)	25,1	50,3
Technical specifications		
Operating air temp. (°C)	0°C ~ 55°C	
Heat exchanger	Twisted Titanium Heat Exchanger	
Refrigerant Gas	410A	
Fan direction	Vertical	
Fan quantity	1	2
Fan air flow (cfm)	20000	38000
Fan input power (W)	500	500x2
Fan rotate speed (rpm)	800	800
Power Supply	400-415V / 3 Ph / 50Hz	
Rated input power (kW)	2,26-8,90	4,68-17,5
Rated input current (A)	3,27-12,9	6,78-25,3
Sound level at 1m dB(A)	53,0-61,0	55,0-64,0
Sound level 50% at 1m dB(A)	55	58
Sound level at 10m dB(A)	33,0-41,0	35,0-44,0
Advised water flow (m³/h)	20-25	40-50
Water connection (mm)	75	110
Net dimension LxWxH (mm) approximate	1000*1110*1260	2100*1090*1280
Net Weight (kg)	212	459

Notes:

* The data above is only for reference. For specific data, please refer to the nameplate on the unit.

* Advised pool volume applies to a private pool with an isothermal cover

Atecpool Mega Inverter Dimensions



Code	A	B	C	D	E	F	G	H
	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)	(mm)
AMHP060	1000	660	1110	1070	1000	780	105	1260
AMHP090	1000	1630	1090	1050	2100	510	140	1280