

Atecpool MegaHigh Inverter Heat Pump

Atecpool MegaHigh Inverter for large water bodies



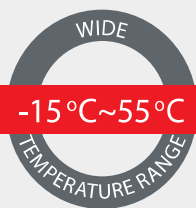
Full Inverter Technology equipped with high quality DC Mitsubishi compressor and DC fan motor. COP achieved upto 16.1 and EER upto 5.3. High energy efficiency units for commercial installations.

Display & Central Control

Two Display Options : 5 inch LCD Color Display / 7 inch LED Display. Equipped with a 64-bit chip, 0.1degC accurate temperature control and PID automatic defrosting.

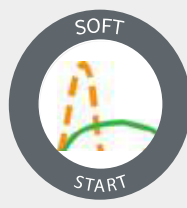
Practical Cabinet Structure

The classic vertical wind outlet type saves ground space to accommodate more units.



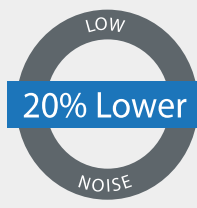
Broad Climate Suitability

The unit can adapt to a wide climatic range. Lab tests showed maintained stable operation in -15-55°C. This feature makes the unit suitable for markets all over the world



Soft Starting

When the machine is turned on, its soft start technology avoids a sudden fluctuation of taking high Amps but start the unit softly and reach stable current slowly.



Low Noise

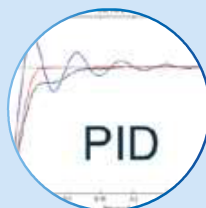
The DC inverter fan with special design blades not only saves energy but also helps to keep the operating noise 20% lower.



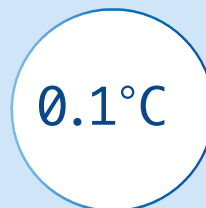
Centralized Control (RS485)



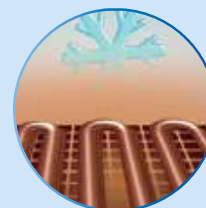
64Bit Processor



PID Control



Precise Control



Automatic Defrost

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MegaHigh Inverter Heat Pump Specification



| Specification | | Code | |
|--|-------------|--------------------|--------------------|
| | | AMHP110 | AMHP170 |
| Heating capacity air 27°C / water 26°C / humidity 80% | | | |
| Heating Capacity | kW | 80 | 175 |
| Consumed Power | kW | 0.76-10.65 | 1.76-20.97 |
| COP | | 6.1-16.1 | 6.2-16.0 |
| Heating capacity air 15°C / water 26°C / humidity 70% | | | |
| Heating Capacity | kW | 60 | 135 |
| Consumed Power | kW | 1.96 - 5.96 | 2.61 - 20.41 |
| COP | | 4.91 - 8.4 | 4.90 - 8.5 |
| Cooling capacity air 43°C / water 26°C / humidity 70% | | | |
| Cooling Capacity | kW | 42 | 96 |
| Consumed Power | kW | 2.94 - 7.37 | 13.81 - 13.85 |
| EER | | 4.1 - 5.1 | 4.3 - 5.3 |
| Cooling capacity air 53°C / water 35°C / humidity 80% | | | |
| Cooling Capacity | kW | 25 | 75 |
| Consumed Power | kW | 2.02 - 6.28 | 10.73 - 17.79 |
| EER | | 3.00 - 4.05 | 3.08 - 4.1 |
| Operating Air temperature | | | |
| Operating Air temperature | °C | -15 - 55 | |
| Power Supply | V / Ph / Hz | 380-415V-/3Ph-50Hz | 380-415V-/3Ph-50Hz |
| Rated Input current | A | 21 | 47 |
| Casing Type | | metal sheet | metal sheet |
| Compressor | | Mitsubishi DC type | |
| Fan quantity | | 2 | 2 |
| Fan power input | W | 200x2 | 1300x2 |
| Fan rotate speed | rpm | 850 | 850 |
| Fan direction | | vertical | vertical |
| Fan airflow | cfm | 18000 | 22500 |
| Sound Pressure 1m | dB(A) | 60 | 63 |
| Sound Pressure 10m | dB(A) | 40 | 43 |
| Water connection | mm | 63 | 110 |
| Advised water flow | m³/h | 25 | 45 |
| Net dimensions (LxWxH) | mm | 1750x840x1750 | 2170x1150x2130 |
| Refrigerant gas | | R410A | R410A |