

INVERTER HEAT PUMP FOR SWIMMING POOLS

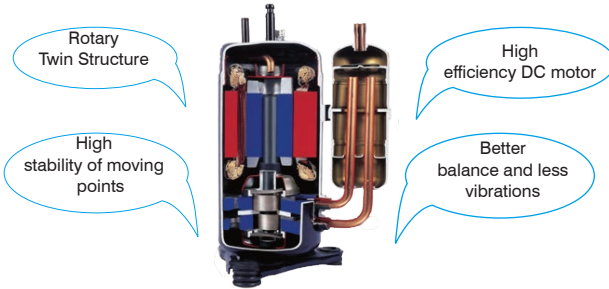
MUPIR-H8 Series

Super DC Inverter heat pump for swimming pools



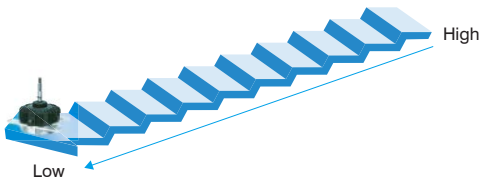
TWIN ROTARY INVERTER COMPRESSOR

Thanks to the Twin DC Inverter Rotary compressor it is possible to reduce the electrical consumption, since the frequency of the compressor is adjusted from Hz to Hz between 20 and 100 Hz.



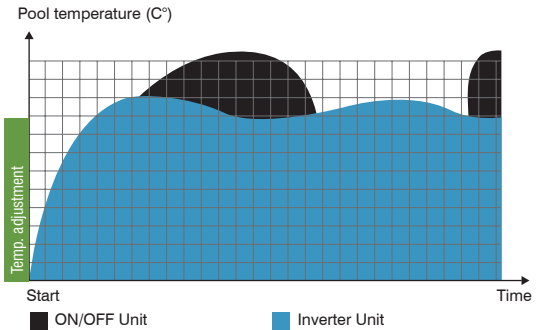
DC FAN MOTORS

The fan speed is adjusted according to the compressor frequency and the room temperature.



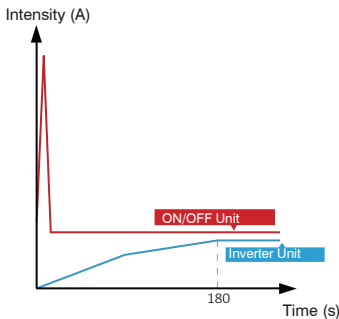
WATER TEMPERATURE MUCH MORE STABLE

When the pool reaches the setpoint temperature, the heat pump does not stop, it works at a low frequency to keep the water temperature stable.



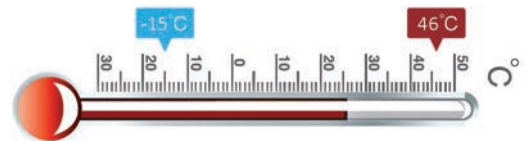
SOFT START

Inverter technology allows a soft start, minimizing the consumption during the start and avoiding, in this way, the starting peak of the ON / OFF units.



OPERATION UNDER LOW TEMPERATURES

The condensation control of the fan allows the unit to operate from -15 °C to 46 °C



INVERTER Series MUIPIR-H8 HEAT PUMP FOR SWIMMING POOLS

TITANIUM EXCHANGER

The titanium exchanger ensures greater durability and reliability compared to other conventional units.



ABS PLASTIC CASE

The benefits of ABS plastic give great resistance against corrosive elements and at the same time rigidity and tenacity.



BUILT-IN CONTROL PANEL

The unit adds a control panel from which all of its operations are managed.



WINTER COVER

A cover is included with the accessories to protect the unit during the time it is not in use.



MULTIPLE OPERATING MODES

Up to 3 different operating modes in order to run the unit according to the needs of each moment.



BOOST MODE
Fast heating
20%~100% capacity



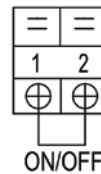
SMART MODE
Standard Operation
20%~80% capacity



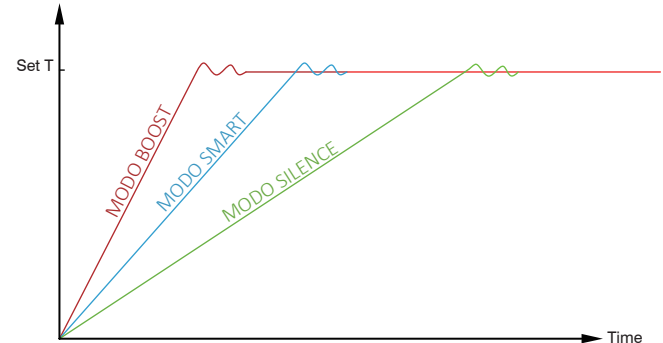
SILENT MODE
Night Mode
20%~50% capacity

REMOTE ON / OFF

It has an input to perform the remote start / stop operation through a potential-free contact.



Pool temperature (C°)



TECHNICAL SPECIFICATIONS

Model				MUPIR-17-H8
Code				CL25562
Heating	Air 26 °C	Capacity (min. - max.)	kW	4.3 ~ 17.4
	Water 26 °C	Consumption (min. - max.)	kW	0.29 ~ 2.85
	Humidity 80 %	COP	kW	14.5 ~ 6.0
	Air 15°C	Capacity (min. - max.)	kW	3.49 ~ 13.0
	Water 26 °C	Consumption (min. - max.)	kW	0.47 ~ 2.64
	Humidity 70%	COP	kW	7.44 ~ 4.85
Cooling	Air 35°C	Capacity (min. - max.)	kW	3.9 ~ 9.6
	Water 28 °C	Consumption (min. - max.)	kW	0.51 ~ 2.30
	Humidity 80 %	COP	kW	7.4 ~ 4.24
Sound pressure (1)	a 1m		dB(A)	53
	a 10m		dB(A)	33
Fan	Type			DC - Axial
	Air flow rate		m³/h	1 100~ 5 200
Compressor	Type			Inverter DC Twin Rotary
	Brand			GMCC
	Model			ATF235D22UMT
Refrigerant	Type			R410A
	Load	kg		2.2
	GWP			2 088
	CO ₂ equivalent		Tons	4.59
Hydraulic data	Type of exchanger			Titanium
	Required water flow		m³/h	6 ~ 8
	Water pressure drop		kPa	27
	Hydraulic connections		mm (inch)	DN50 (2")
Electrical Data	Power supply		V-Hz-Ph	220-240V~ 50Hz, 1Ph
	Max. current		A	13.77
	Recommended electrical wiring		mm²	2 x 4 + T
Body	Material			ABS plastic
	Protection degree			IPX4
	Dimensions (W x H x D)		mm	1,076 x 720 x 426
	Weight		kg	67
Setpoint temperatures range	Heating		°C	15~40
	Cooling		°C	8~28
Operating temperature range			°C	-15 ~ 46
Recommended water volume for the pool (with thermal blanket) (2)			m³	35 ~ 70

Notes:

- (1) The values of sound pressure match with values obtained in the semi-anechoic chamber.
- (2) It is recommended to carry out a preliminary study to analyze if the heat pump is adequate.

Warning:

- Data and specifications are subject to changes without previous notice.