



# M THERMAL ARCTIC R290 AIR TO WATER HEAT PUMP



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M Thermal provides an energy efficient solution that delivers space heating and domestic hot water. It is a complete all-year-round, integrated heating system which can replace, or work in synergy with traditional gas or oil boilers.

## WIDE OPERATION RANGE

Available in single phase capacities of 4 kW - 16 kW, or three phase capacities of 12 kW to 16 kW.

## DOMESTIC HOT WATER AND UNDERFLOOR HEATING

The M Thermal can provide domestic hot water (up to 75°C) and underfloor heating, improving room comfort.

## COMPACT FOOTPRINT

The M Thermal is designed for installation in any type of property, especially homes with limited space.

Being a compact system with a single unit installed outdoors means the available space indoors remains unchanged.

## HIGH EFFICIENCY

A+++ ErP Energy Rating

With the help of all DC inverter technology, R290 M thermal Arctic Series reaches the EU Energy Efficiency A+++ at 35°C water temperature, A++ at 55°C water temperature.

## EASY INSTALLATION & MAINTENANCE

All functions are achieved with a single outdoor unit, bringing significant cost savings. Furthermore, installation is quicker and easier as there is no need for refrigerant piping, and the product is pre-charged at the factory.

Two-door design for easy access to internal components for easy maintenance.

## QUIET OPERATION

The M Thermal produces 44dB ErP sound pressure level at 1 meter.

## ENERGY MONITORING AS STANDARD

Energy consumption data for running cost analysis.

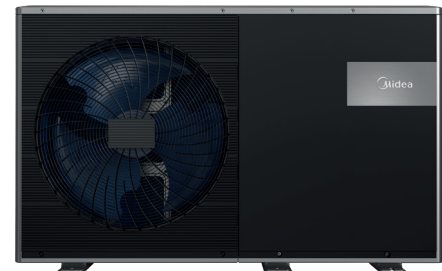
## INTUITIVE CONTROL

The remote controller can be used for daily and weekly programming, managing water production temperature, operating modes, etc. It also has built-in Wi-Fi as standard which can connect to the 'CONNECT SMART HOME APP. The unit can be controlled via the App and energy consumption can be viewed along with energy-saving suggestions. 'LET'S LINK' allows easy access to the status and data of unit remotely. Offers a range of functions for commissioning, monitoring and diagnosis.

MHC-V4W/D2N7 & MHC-V6W/D2N7



MHC-V8W/D2N7- MHC-V16W/D2N7 & MHC-V12W/D2RN7 - MHC-V16W/D2RN7



| MODEL          | POWER SUPPLY (V/Ph/Hz) | OUTPUT (KW) | DIMENSIONS (MM) |     |     | SCOP/Class |           | WEIGHT (Kg) | RECOMMENDED FUSE SIZE (AMPS) | SOUND PRESSURE (1M - IN FRONT) | REFRIGERANT |
|----------------|------------------------|-------------|-----------------|-----|-----|------------|-----------|-------------|------------------------------|--------------------------------|-------------|
|                |                        |             | -2 / 55         | W   | H   | D          | 35°C      |             |                              |                                |             |
| MHC-V4W/D2N7   | 220-240/1/50           | 4.4         | 1299            | 717 | 426 | 5.07/A+++  | 3.79/A+++ | 90          | 16A                          | 44                             | R290        |
| MHC-V6W/D2N7   | 220-240/1/50           | 5.8         | 1299            | 717 | 426 | 4.89/A+++  | 3.82/A+++ | 90          | 16A                          | 46                             | R290        |
| MHC-V8W/D2N7   | 220-240/1/50           | 7.8         | 1385            | 865 | 523 | 5.19/A+++  | 3.82/A+++ | 117         | 20A                          | 48                             | R290        |
| MHC-V10W/DN7   | 220-240/1/50           | 8.4         | 1385            | 865 | 523 | 5.07/A+++  | 3.82/A+++ | 117         | 20A                          | 49                             | R290        |
| MHC-V12W/D2N7  | 220-240/1/50           | 11.3        | 1385            | 865 | 523 | 4.67/A+++  | 3.62/A+++ | 135         | 32A                          | 51                             | R290        |
| MHC-V14W/D2N7  | 220-240/1/50           | 12          | 1385            | 865 | 523 | 4.63/A+++  | 3.61/A+++ | 135         | 32A                          | 52                             | R290        |
| MHC-V16W/D2N7  | 220-240/1/50           | 13.1        | 1385            | 865 | 523 | 4.59/A+++  | 3.57/A+++ | 135         | 32A                          | 56                             | R290        |
| MHC-V12W/D2RN7 | 380-415/3/50           | 11.3        | 1385            | 865 | 523 | 4.67/A+++  | 3.62/A+++ | 137         | 16A                          | 51                             | R290        |
| MHC-V14W/D2RN7 | 380-415/3/50           | 12          | 1385            | 865 | 523 | 4.63/A+++  | 3.61/A+++ | 137         | 16A                          | 52                             | R290        |
| MHC-V16W/D2RN7 | 380-415/3/50           | 13.1        | 1385            | 865 | 523 | 4.59/A+++  | 3.57/A+++ | 137         | 16A                          | 56                             | R290        |

PRICE ON APPLICATION

DATA IS SUBJECT TO CHANGE, SCAN THE QR CODE FOR MOST RECENT PRODUCT INFORMATION



To feel the difference with Midea heat pumps visit [mideauk.co.uk/heat-mi-home](http://mideauk.co.uk/heat-mi-home)

