

## AIR SOURCE HEAT PUMPS



Midea offers sustainable air source heat pump solutions for domestic and light commercial heating and hot water. Designed for flexible installation, they provide a reliable, low-carbon heating option suitable for a wide range of properties.

### ENERGY-EFFICIENT HEATING & HOT WATER

M Thermal provides an energy-efficient solution for space heating and domestic hot water. This integrated, year-round system can operate independently or alongside traditional gas or oil boilers, offering a flexible renewable heating solution.

### WIDE OPERATING RANGE

R32 models: Single phase capacities from 4–16 kW and three phase from 12–30 kW, suitable for domestic and light commercial applications.

R290 models: Single phase capacities from 4–16 kW and three phase from 12–16 kW.

### DOMESTIC HOT WATER & UNDERFLOOR HEATING

M Thermal delivers reliable domestic hot water and can support underfloor heating systems for improved indoor comfort.

Hot water temperatures up to 65°C (R32) and 75°C (R290).

### COMPACT DESIGN FOR SMALL SPACES

Designed for installation in a wide range of properties, M Thermal is ideal for homes with limited space. The compact system uses a single outdoor unit, helping to preserve valuable indoor space.

### HIGH PERFORMANCE

A+++ ErP energy rating for exceptional efficiency.

Efficient heating capacity even at -7°C outdoor temperature.

Maintains continuous hot water production with outdoor temperatures as low as -20°C.

### EASY INSTALLATION & MAINTENANCE

All functions are delivered through a single outdoor unit, helping reduce installation costs. The system is factory pre-charged, eliminating the need for refrigerant piping and simplifying installation. A two-door design provides easy access to internal components for straightforward servicing and maintenance.

### QUIET OPERATION

M Thermal operates at a low 35 dB(A) sound pressure level at 3 metres, ensuring quiet and unobtrusive performance.

### ENERGY MONITORING

Built-in energy monitoring provides consumption data for accurate running cost analysis and improved system management.

### INTUITIVE CONTROL

The remote controller allows daily and weekly scheduling, temperature adjustment and operating mode control. Built-in Wi-Fi connects to the Midea Smart Home App, enabling remote control, energy consumption monitoring and energy-saving recommendations.

## SYSTEM COMPONENTS

### M THERMAL R290 AIR TO WATER HEAT PUMP



4-6 kW



8-16kW

### M THERMAL R32 MONOBLOC AIR TO WATER HEAT PUMP



4-16kW



18-30kW

## M THERMAL R290 AIR TO WATER HEAT PUMP

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

## M THERMAL R32 MONOBLOC AIR TO WATER HEAT PUMP

MODEL	POWER SUPPLY (V/Ph/Hz)	OUTPUT -2 / 50	DIMENSIONS (mm)			SCOP/CLASS		WEIGHT (Kg)	RECOMMENDED FUSE SIZE (Amps)	SOUND PRESSURE (1m - In front)	REFRIGERANT
			W	H	D	35°C	50°C				
MHC-V4W/D2N8-B2	220-240/1/50	4.2	1299	717	426	4.85 / A+++	3.31/ A++	86	16	45	R32
MHC-V6W/D2N8-B2	220-240/1/50	5.7	1299	717	426	4.95/ A+++	3.52/ A++	86	16	47.5	R32
MHC-V8W/D2N8-B2	220-240/1/50	7.3	1385	865	526	5.22/ A+++	3.37/ A++	105	20	48.5	R32
MHC-V10W/D2N8-B2	220-240/1/50	8	1385	865	526	5.2/ A+++	3.47/ A++	105	20	50.5	R32
MHC-V12W/D2N8-B2	220-240/1/50	11	1385	865	526	4.81/ A+++	3.45/ A++	129	32	53	R32
MHC-V14W/D2N8-B2	220-240/1/50	11.4	1385	865	526	4.72/ A+++	3.47/ A++	129	32	53.5	R32
MHC-V16W/D2N8-B2	220-240/1/50	13	1385	865	526	4.62/ A+++	3.41/ A++	129	32	57.5	R32
MHC-V12W/D2RN8-B2	380-415/3/50	11	1385	865	526	4.81/ A+++	3.45/ A++	144	16	53.5	R32
MHC-V14W/D2RN8-B2	380-415/3/50	11.4	1385	865	526	4.72/ A+++	3.47/ A++	144	16	54	R32
MHC-V16W/D2RN8-B2	380-415/3/50	13	1385	865	526	4.62/ A+++	3.41/ A++	144	16	58	R32
MHC-V18W/D2RN8	380-415/3/50	13.9	1129	1558	528	4.60/ A+++	3.20/ A++	177	25	57.6	R32
MHC-V22W/D2RN8	380-415/3/50	18.57	1129	1558	528	4.53/ A+++	3.23/ A++	177	25	59.8	R32
MHC-V26W/D2RN8	380-415/3/50	23.01	1129	1558	528	4.50/ A+++	3.15/ A+	177	32	61.5	R32
MHC-V30W/D2RN8	380-415/3/50	27.9	1129	1558	528	4.20/ A++	3.15/ A+	177	32	63.5	R32