

AIR TO WATER HEAT PUMP

INTRODUCING THE M THERMAL R32 MONOBLOC

M Thermal provides an energy efficient solution that delivers space heating and cooling 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.

DOMESTIC HOT WATER AND UNDERFLOOR HEATING

The M Thermal can provide domestic hot water (up to 65°C) and underfloor heating, improving room comfort.

PERFECT FOR SMALL SPACES

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.

PERFORMANCE

A+++ ErP Energy Rating.

Efficient heating capacity even when at -7°C air temperature.

Maintains continuous hot water supply up to 65°C even with outdoor temperatures as low as -20°C.

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 35D dB(A) sound pressure level at 3 meters.

ENERGY MONITORING AS STANDARD

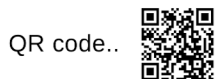
Energy consumption data for running cost analysis.

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 'ICONNECT SMART HOME APP'. The unit can be controlled via the App and energy consumption can be viewed along with energy-saving suggestions.

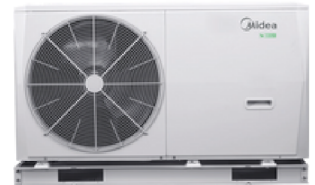
REGISTER YOUR PRODUCTS ONLINE

To validate the warranty of Midea products you must register your details online. Simply scan the QR code below, or on the warranty card that you receive with your outdoor unit. Or visit <https://warranty.mideauk.co.uk>

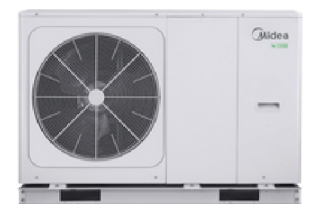


Registering at least one of your service visits every consecutive year, will provide the end user with full-term warranty.

MHC-V4 & MHC-V6



MHC-V8 & MHC-V16



M THERMAL R32 MONOBLOC



Model	Output -2 / 50	Dimensions			SCOPS		WEIGHT	RECOMMENDED FUSE SIZE	SOUND PRESSURE	REFRIGERANT
		W	(mm) H	D	35°C	50°C				
MHC-V4W/D2N8-B	4.2 KW	1295	792	429	4.66	3.56	98 Kg	16	45	R32
MHC-V6W/D2N8-B	5.7 KW	1295	792	429	4.77	3.72	98 Kg	16	47.5	R32
MHC-V8W/D2N8-B	7.3 KW	1385	945	453	5.03	3.67	121 Kg	16	48.5	R32
MHC-V10W/D2N8-B	8 KW	1385	945	453	5.03	3.78	121 Kg	16	50.5	R32
MHC-V12W/D2N8-B	11 KW	1385	945	453	4.67	3.68	144 Kg	32	53	R32
MHC-V16W/D2N8-B	13 KW	1385	945	453	4.49	3.59	144 Kg	32	58	R32

CAPACITY TABLES

	Water Temperature	Ambient Temperature							SCOP
		-10.0	-7.0	-2.0	0.0	2.0	7.0	15.0	
MIDEA4MONO (MHC-V4)	55.0	2.60	3.30	3.70	4.10	4.20	5.70	5.80	3.19
	50.0	3.28	3.93	4.20	4.40	4.60	5.40	5.40	3.56
	45.0	3.60	4.20	4.40	4.70	5.10	5.90	6.10	3.93
	40.0	4.00	4.70	4.70	4.90	5.00	6.30	6.30	4.3
	35.0	4.30	5.00	5.00	5.00	5.00	5.30	5.70	4.66
	MIDEA6MONO (MHC-V6)	55.0	5.15	5.15	5.65	5.65	5.65	6.00	6.00
50.0		5.28	5.28	5.73	5.73	5.73	6.15	6.15	3.72
45.0		5.40	5.40	5.80	5.80	5.80	6.30	6.30	4.06
40.0		5.70	5.70	5.65	5.65	5.65	6.33	6.33	4.42
35.0		6.00	6.00	5.50	5.50	5.50	6.35	6.35	4.77
MIDEA8MONO (MHC-V8)		55.0	6.15	6.15	7.10	7.10	7.10	7.50	7.50
	50.0	6.38	6.38	7.25	7.25	7.25	7.80	7.80	3.67
	45.0	6.60	6.60	7.40	7.40	7.40	8.10	8.10	4.11
	40.0	6.80	6.80	7.25	7.25	7.25	8.25	8.25	4.57
	35.0	7.00	7.00	7.10	7.10	7.10	8.40	8.40	5.03
	MIDEA10MONO (MHC-V10)	55.0	6.85	6.85	8.10	8.10	8.10	9.50	9.50
50.0		7.10	7.10	7.98	7.98	7.98	9.75	9.75	3.78
45.0		7.35	7.35	7.85	7.85	7.85	10.00	10.00	4.19
40.0		7.68	7.68	8.03	8.03	8.03	10.00	10.00	4.61
35.0		8.00	8.00	8.20	8.20	8.20	10.00	10.00	5.03
MIDEA12MONO (MHC-V12)		55.0	9.80	9.80	11.30	11.30	11.30	11.90	11.90
	50.0	10.00	10.00	10.95	10.95	10.95	12.10	12.10	3.68
	45.0	10.20	10.20	10.60	10.60	10.60	12.30	12.30	4.01
	40.0	10.10	10.10	9.90	9.90	9.90	12.20	12.20	4.34
	35.0	10.00	10.00	9.20	9.20	9.20	12.10	12.10	4.67
	MIDEA16MONO (MHC-V16)	55.0	12.50	12.50	13.30	13.30	13.30	16.00	16.00
50.0		12.65	12.65	13.00	13.00	13.00	16.00	16.00	3.59
45.0		12.80	12.80	12.70	12.70	12.70	16.00	16.00	3.88
40.0		12.95	12.95	12.85	12.85	12.85	15.95	15.95	4.18
35.0		13.10	13.10	13.00	13.00	13.00	15.90	15.90	4.49

MIDEA MONOBLOC PRODUCT SELECTOR



FIRST CHOOSE A HEAT PUMP SYSTEM

As a complete all in one outdoor box solution, the MIDEA range is extremely good value and powerful to boot.

SBS PRODUCT CODE	DESCRIPTION
MIDEA4MONO	[Sz5 Midea Monobloc Heat Pump inc Controller] – [4.2kW @ -2/50°C] – [MHC-V4W/D2N8-B]
MIDEA6MONO	[Sz57 Midea Monobloc Heat Pump inc Controller] – [5.7kW @ -2/50°C] – [MHC-V6W/D2N8-B]
MIDEA8MONO	[Sz72 Midea Monobloc Heat Pump inc Controller] – [7.25kW @ -2/50°C] – [MHC-V8W/D2N8-B]
MIDEA10MONO*	[Sz8 Midea Monobloc Heat Pump inc Controller] – [7.98kW @ -2/50°C] – [MHC-V10W/D2N8-B]
MIDEA12MONO*	[Sz11 Midea Monobloc Heat Pump inc Controller] – [10.95kW @ -2/50°C] – [MHC-V12W/D2N8-B]
MIDEA16MONO*	[Sz13 Midea Monobloc Heat Pump inc Controller] – [13kW @ -2/50°C] – [MHC-V16W/D2N8-B]

***For MIDEA8 / 10 / 12 / 16 You Will Require The Following Two Adapters**

MIDEAADAPTERANDWASHERS

Midea Flexi Adapter Pair: 1" BSPM to 1 1/4" BSPF, with Washers



FINALLY CHOOSE A HOT WATER CYLINDER

SBS PRODUCT CODE	DESCRIPTION
MIDTEL200	200L Tempest Heat pump cylinder
MIDTEL250	250L Tempest Heat pump cylinder
MIDTEL300	300L Tempest Heat pump cylinder
MIDTEL400	400L Tempest Heat pump cylinder
MIDTEL500	500L Tempest Heat pump cylinder
MIDEAPP200	200L Tempest pre-plumbed heat pump cylinder
MIDEAPP250	250L Tempest pre-plumbed heat pump cylinder
MIDEAPP300	300L Tempest pre-plumbed heat pump cylinder



Heat Pump Cylinder

HEAT PUMP ACCESSORIES

Filters

SBS PRODUCT CODE	DESCRIPTION
ACMAGFILTER022	Magnetic Filter 22mm
ACMAGFILTER028	Magnetic Filter 28mm
ACECOMAGFILTER022	Economy Magnetic Filter 22mm
ACECOMAGFILTER028	Economy Magnetic Filter 28mm
FERNOX62614	Fernox Sigma HP Filter TF1 22mm
FERNOX62615	Fernox Sigma HP Filter TF1 28mm



Fernox Sigma HP Filter TF1



Mag-Filter-SM

HEAT PUMP ACCESSORIES

Installation Accessories

SBS PRODUCT CODE	DESCRIPTION
ACCBR2XL	Type 2 XL Bracket - 250Kg - 660mm Arm
ACCBR2XXL3ABL	Condenser Mounting Bracket 3 Arm Black 1040 Cross Bar
ACCBR2XXL3ABLDA	Condenser Mounting Bracket 3 Arm Black 1120 Cross Bar
ACCCTM1300	Condensate Collection Tray Heavy Duty 1300X550X25mm Metal
ACCCTM1420BL	Condensate Collection Tray - Heavy Duty 1420X500X25Mm Black
ACCG750LINVWOOD	ASHP Guard - Wooden - Large INV 1130 x 1630 x 865mm
ACFH30028FELBOW	Flexible ASHP Hose Pair -300mm X 28mm - 1" Female c/w Elbow
ACFH3002811/4ELB	Flexible ASHP Hose Pair -300mm X 28mm - 1 1/4" Female
ACFH50028F	Flexible ASHP Hose Pair -500mm X 28mm - 1" Female
ACFH75028F	TFlexible ASHP Hose Pair -750mm X 28mm - 1" Female
ACFH75028FELBOW	Flexible ASHP Hose Pair -750mm X 28mm -1" Female c/w Elbow
ACFH7502811/4F	Flexible ASHP Hose Pair -750mm X 28mm - 1 1/4" Female
ACFHI100028SLIT	Insulation 1M X 28mm Id X 19mm Wall PVC Coated Slit & Seal
ACTRD140	(1412BCF) ASHP Duct - 140mm X 2 Metre
ACTRWC140	(1409CM) ASHP Duct Wall Cover Ivory 140mm
TR-CP-140	(1404GC) ASHP Duct Connection Piece 140mm
ACTRFB140	(1407CP) ASHP Duct Flat Bend 90Deg. 140mm
ACTRD140B	(SD-140-K) ASHP Duct - 140mm X 2 Metre Black - J
ACTRWC140B	(SW-140-K) ASHP Duct Wall Cover 140mm Black - J
ACTRCP140B	(SJ-140-K) ASHP Duct Connection Piece 140mm - Black - J
ACTRFB140B	(SK-140-K) ASHP Duct Flat Bend 90Deg. 140mm - Black - J
ACTWKIT	Through Wall Ins Kit 22-28mm
ACASHPSOAK	Soakaway For Air Source Heat Pumps
ACFFUC3	Flexi-Lite Slab Kit 1200 x 600 X 175
ACFFUC3XL	Flexi-Lite Kit 1650mm X 865mm X 175mm
ACFF600SKIT	Flexi-Foot Kit - 600 (2 x 600mm Feet + Fixing Kit)



Wooden Guards



Flexible Hose



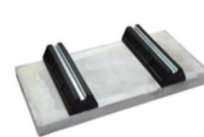
Insulation



Through Wall Insulation Kit



Soakaway



Flexi Slab



Flexi Frames

HEAT PUMP ACCESSORIES

Anti-Freeze Valves

SBS PRODUCT CODE	DESCRIPTION
ALT108301	108 Anti-Freeze Valves 28mm MBSP
ALT108601	108 Anti-Freeze Valves 1" MBSP
ALT108701	108 Anti-Freeze Valves 1"1/4 MBSP
ALT108801	108 Anti-Freeze Valves 1"1/2 MBSP



Antifreeze Valve

Glycols

SBS PRODUCT CODE	DESCRIPTION
HP5PM	HP-5 Pre Mix
HP5C	HP-5C Concentrate
HP15PM	HP-15 Pre Mix
HP15C	HP-15C Concentrate
SBSCBTX25	Coolblend TX with inhibitor (25 litre)
SBSCBIND25	Coolblend IND with inhibitor (25 litre)
SBSCBMPG25	Coolblend MPG with inhibitor (25 litre)
SBSCBTX1000	Coolblend TX with inhibitor (1,000 litre)
SBSTBTX25	Thermablend TX 25 litre
SBSTBTX10	Thermablend TX 10 litre
SBSSBIO1	Serviceblend BIO (biocide) 1 litre
SBSSBINH25	Serviceblend INH (inhibitor) 25 litre
SBSTBIND1000X	Thermablend TX 1,000 litre
SBSSBINH10	Serviceblend INH, 10 litre
SBSSBPRES25	Serviceblend PRE. 25 litre
SBSSOBTX25	Solarblend TX. 25 litre
SBSSBOLC25	Serviceblend OLC. 25 litre



Heat Transfer Fluid HP5C



Heat Transfer Fluid HP15C



- Thermablend IND - Ethylene glycol
- Thermablend MPG - Propylene glycol
- Thermablend-TX - Suitable for both ground and air source heat pump applications.



- Solarblend IND - Ethylene glycol
- Solarblend MPG - Propylene glycol
- Solarblend-TX - Suitable for solar thermal applications.



- Coolblend IND - Ethylene glycol
- Coolblend MPG - Propylene glycol
- Coolblend-TX - Ideal for use as a secondary refrigerant for heat distribution systems in the food industry.

ACR STOCKING BRANCHES

General Enquiries: rac@sbs.co.uk

HEBRIDES

