



THERMA VTM MONOBLOC S II (5/7/9 kW)

Outdoor unit

HM051MRS UA40
HM071MRS UA40
HM091MRS UA40



011-1W0927



35°C



55°C



65°C



-25°C

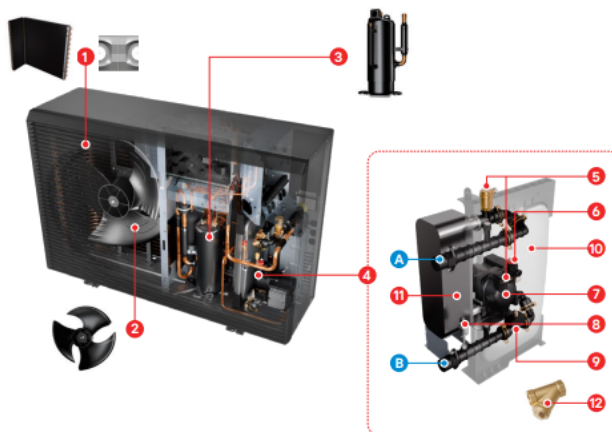
ThinQ

Key Features

- Refined grey design that adapt to various surroundings
- Standalone heat pump allowing easy installation (Plug and play solution)
- ErP Energy Labeling A+++ / A++ for space heating (Average Climate 35°C / 55°C LWT)
- Low noise level for high installation flexibility
- 100% Heating capacity at -15°C outdoor temperature
- Maximum flow temperature up to 65°C
- Operation range down to -25°C

Key Components

Outdoor Unit



Components

- 1 Black Fin heat exchanger (air / ref.)
- 2 Biomimetic fan
- 3 R1 compressor
- 4 Hydronic components assembly
- 5 Air vent valve
- 6 Safety valve
- 7 Water pump
- 8 Pressure sensor
- 9 Flow sensor
- 10 Expansion tank (8ℓ)
- 11 Plate heat exchanger
- 12 Strainer (loose supplied)

Connections

- A Leaving water pipe (male PT 1")
B Entering water pipe (male PT 1")

Product Specification

Efficiency Data		Unit	5 kW (1 Ø)	7 kW (1 Ø)	9 kW (1 Ø)
Seasonal space heating eff. class (35°C / 55°C)		-	A+++ / A++	A+++ / A++	A+++ / A++
Seasonal space heating efficiency (η_{sp}) (35°C / 55°C)		%	175 / 125	176 / 125	179 / 125
SCOP (35°C / 55°C)		-	4.46 / 3.20	4.48 / 3.20	4.55 / 3.20
Sound power level	Rated / low noise mode	dB(A)	57 / 54	57 / 55	57 / 55
Sound pressure level at 5m	Rated / low noise mode	dB(A)	35 / 32	35 / 33	35 / 33
Nominal Capacity and COP/EER					
Air +7°C / water +35°C	Heating capacity / COP	kW / -	5.50 / 4.70	7.00 / 4.70	9.00 / 4.60
Air +2°C / water +35°C	Heating capacity / COP	kW / -	5.50 / 3.60	6.00 / 3.55	7.00 / 3.50
Air +7°C / water +55°C	Heating capacity / COP	kW / -	5.50 / 2.70	5.75 / 2.70	6.00 / 2.70
Air +35°C / water +18°C	Cooling capacity / EER	kW / -	5.50 / 4.70	7.00 / 4.65	9.00 / 4.60
Air +35°C / water +7°C	Cooling capacity / EER	kW / -	5.50 / 3.30	7.00 / 3.20	9.00 / 3.00
Outdoor Units		Unit	HM051MRS UA40	HM071MRS UA40	HM091MRS UA40
Operation range (outdoor air temperature)	Heating & DHW (Min. ~ Max.)	°C	-25 ~ 35		
	Cooling (Min. ~ Max.)	°C	5 ~ 48		
Operation range (leaving water temperature)	Heating (Min. ~ Max.)	°C	15 ~ 65		
	Cooling (Min. ~ Max.)	°C	5 ~ 27		
	DHW (Min. ~ Max.)	°C	15 ~ 80		
Refrigerant	Type	-	R32		
	GWP	-	675		
	Precharged amount	g	1,400		
Piping connections (water)	Inlet / outlet diameter	inch	Male PT 1" according to ISO 7-1 (tapered pipe threads)		
Expansion vessel (heating circuit)	Volume	ℓ	8		
Dimension	H x W x D	mm	853 x 1,242 x 391		
Weight	Empty	kg	94		
Exterior	Color of chassis / RAL code	-	Dawn gray / RAL 7037		
	Color of front grille / RAL code	-	Dark dawn gray / RAL 7012		
Power supply	Voltage, phase, frequency	V, Ø, Hz	220 ~ 240, 1, 50		
	Standby power consumption	W	10		
	Recommended circuit breaker	A	16	20	25

Note

1. Due to our policy of innovation, some specifications may be changed without notification.
2. Wiring cable size must comply with the applicable local and national codes. Especially the power cable and circuit breaker should be selected in accordance with that.
3. Sound power level is measured on the rated condition in accordance with ISO 9614 standard. Sound pressure level is not a value declared on Eurovent Program and is converted from sound power level based on a tonality penalty of 0 dB and installation in free-field. The directivity index (Q) is assumed as 2. Therefore, these values can be increased owing to ambient conditions during operation. Rated sound power level is in accordance with EN12102-1 under condition of EN14825.
4. Performances are in accordance with EN14511 and reflect ErP testing conditions. Above gives the declared values at rated conditions according to ErP regulation.
5. This product contains fluorinated greenhouse gases.
6. All installation sites must be equipped with an earth leakage circuit breaker (ELCB).
7. DHW 55 ~ 80°C Operating is available only when the booster heater is operating.

THERMA V™ MONOBLOC S II (12 / 14 / 16 kW)



Outdoor unit

HM121MRS UB40 / HM123MRS UB40
HM141MRS UB40 / HM143MRS UB40
HM161MRS UB40 / HM163MRS UB40

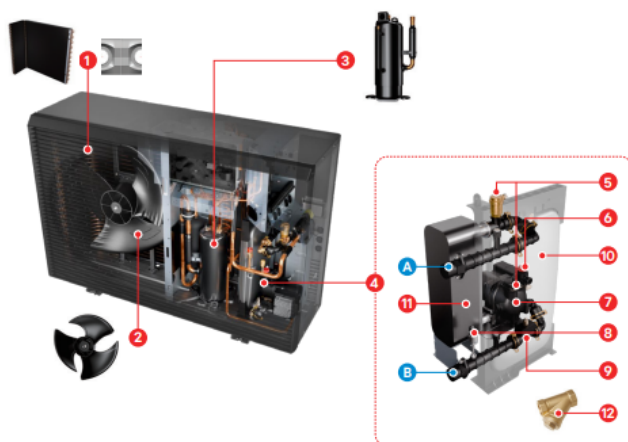


Key Features

- Refined grey design that adapt to various surroundings
- Standalone heat pump allowing easy installation (Plug and play solution)
- ErP Energy Labeling A+++ / A++ for space heating (Average Climate 35°C / 55°C LWT)
- Low noise level for high installation flexibility
- 100% Heating capacity at -15°C outdoor temperature (16 kW 90%)
- Maximum flow temperature up to 65°C
- Operation range down to -25°C

Key Components

Outdoor Unit



Components

- 1 Black Fin heat exchanger (air / ref.)
- 2 Biomimetic fan
- 3 R1 compressor
- 4 Hydronic components assembly
- 5 Air vent valve
- 6 Safety valve
- 7 Water pump
- 8 Pressure sensor
- 9 Flow sensor
- 10 Expansion tank (8l)
- 11 Plate heat exchanger
- 12 Strainer (loose supplied)

Connections

- A Leaving water pipe (male PT 1")
- B Entering water pipe (male PT 1")

Product Specification

Efficiency Data		Unit	12 kW (1 Ø) 12 kW (3 Ø)	14 kW (1 Ø) 14 kW (3 Ø)	16 kW (1 Ø) 16 kW (3 Ø)
Seasonal space heating eff. class (35°C / 55°C)		-	A+++ / A++	A+++ / A++	A+++ / A++
Seasonal space heating efficiency (η_{hs}) (35°C / 55°C)		%	184 / 136	182 / 135	178 / 135
SCOP (35°C / 55°C)		-	4.67 / 3.47	4.62 / 3.46	4.53 / 3.45
Sound power level	Rated / low noise mode	dB(A)	60 / 56	61 / 57	61 / 57
Sound pressure level at 5m	Rated / low noise mode	dB(A)	38 / 34	39 / 35	39 / 35
Nominal Capacity and COP/EER					
Air +7°C / water +35°C	Heating capacity / COP	kW / -	12.00 / 4.90	14.00 / 4.80	16.00 / 4.70
Air +2°C / water +35°C	Heating capacity / COP	kW / -	11.00 / 3.60	12.00 / 3.55	13.80 / 3.50
Air +7°C / water +55°C	Heating capacity / COP	kW / -	11.00 / 2.90	11.50 / 2.85	12.00 / 2.80
Air +35°C / water +18°C	Cooling capacity / EER	kW / -	12.00 / 4.80	14.00 / 4.70	16.00 / 4.60
Air +35°C / water +7°C	Cooling capacity / EER	kW / -	12.00 / 3.20	14.00 / 3.10	15.00 / 3.00
Outdoor Units		Unit	HM121MRS UB40 HM123MRS UB40	HM141MRS UB40 HM143MRS UB40	HM161MRS UB40 HM163MRS UB40
Operation range (outdoor air temperature)	Heating & DHW (Min. ~ Max.)	°C	-25 ~ 35		
	Cooling (Min. ~ Max.)	°C	5 ~ 48		
Operation range (leaving water temperature)	Heating (Min. ~ Max.)	°C	15 ~ 65		
	Cooling (Min. ~ Max.)	°C	5 ~ 27		
	DHW (Min. ~ Max.)	°C	15 ~ 80		
Refrigerant	Type	-	R32		
	GWP	-	675		
	Precharged amount	g	1,600		
Piping connections (water)	Inlet / outlet diameter	inch	Male PT 1" according to ISO 7-1 (tapered pipe threads)		
Expansion vessel (heating circuit)	Volume	ℓ	8		
Dimension	H x W x D	mm	1,019 x 1,320 x 520		
Weight	Empty	kg	117		
Exterior	Color of chassis / RAL code	-	Dawn gray / RAL 7037		
	Color of front grille / RAL code	-	Dark dawn gray / RAL 7012		
Power supply	Voltage, phase, frequency	V, Ø, Hz	220 ~ 240, 1, 50 / 380 ~ 415, 3, 50		
	Standby power consumption	W	10		
	Recommended circuit breaker	A	40 / 16		

Note

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