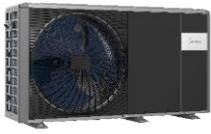


## R290 M thermal Arctic Mono Launch Notification

We are pleased to announce that R290 Midea M thermal Arctic Mono will officially launch from July 31<sup>th</sup>, 2023 onwards.

### Product lineup

Capacity		4	6	8	10	12	14	16
Power supply	220~240V-1N-50Hz	•	•	•	•	•	•	•
	380~415V-3N-50Hz					•	•	•
Appearance								

### Main Feature

1. Natural refrigerant R290, a highly pure propane with GWP=3 and ODP=0, does not have any ozone depletion potential and provides great support to reach carbon neutrality.
2. Powerful heating even at a low ambient temperature. R290 models can output 55°C hot water under -25°C ambient temperature and 75°C hot water under -10 °C ambient temperature.
3. High energy efficiency design with ErP directive<sup>1</sup> up to A+++ at 35°C water temperature and A+++ at 55 °C water temperature.
4. All DC inverter technology including compressor, water pump, and fan, ensures high efficiency, less energy consumption, and quiet operation.
5. Hermetic electric control box with excellent sealability and explosion-proof design ensures reliability and safety.
6. Special air flue design and multiple simulations provide strong support for R290 heat pump to run stably under -25°C~46°C wide ambient temperature range.
7. Brand new user-friendly controller with color screen, touch-key design, and intuitive interface improves customers' experience better. Meanwhile, with a non-polarized wiring connection, the installation is much more convenient.

8. Multiple IOT tools including heat pump selection software, MsmartHome APP, LetsLink APP, and iBUILDING Intelligent HVAC Management System support comprehensive and intelligent selection, operation and commissioning.
9. Multiple certification including Keymark, CE, MCS, UKCA, Eurovent and NF, not only show the quality and performance of products, but also support wider sales markets.

**Note:**

1. The result may vary depending on different products, please refer to the specification for more details.

## Specifications(Draft)

Model			MHC-V4WD2N7	MHC-V6WD2N7	MHC-V8WD2N7	MHC-V10WD2N7
Power supply			220-240V~50Hz			
Cooling (A35W18)	Capacity	kW	4500	6500	8300	10000
	EER	/	5.50	5.10	5.15	4.75
Cooling (A35W7)	Capacity	kW	4700	6800	7500	8900
	EER	/	3.65	3.10	3.45	3.25
Heating(A7W35)	Capacity	kW	4500	6200	8400	10000
	COP	/	5.15	4.90	5.00	4.70
Heating(A7W45)	Capacity	kW	4500	6400	8200	10000
	COP	/	4.05	3.80	3.85	3.65
Heating(A7W55)	Capacity	kW	4600	6200	7800	9500
	COP	/	3.20	3.10	3.20	3.05
Heating(A2W35)	Capacity	kW	4400	5600	7100	8200
	COP	/	4.10	3.90	3.85	3.65
Heating(A-7W35)	Capacity	kW	4500	5900	7000	8000
	COP	/	3.10	2.95	3.00	2.85
SCOP	Average climate, W35	/	A+++	A+++	A+++	A+++
	Average climate, W55	/	A++	A++	A+++	A+++
Erp sound power Level4		dB	55	58	59	60
Unit dimension (W×H×D)		mm	1295×718×426		1385×865×523	
Packing dimension (W×H×D)		mm	1375×885×475		1465×1035×560	
Refrigerant	Type/GWP	/	R290/3		R290/3	
	Charge	kg	0.7		1.1	
Operating ambient temperature	Cooling	°C	-5 ~ 46			
	Heating	°C	-25 ~ 35			
	DHW	°C	-25 ~ 46			
Water setting temperature	Cooling	°C	5 ~ 25			
	Heating	°C	25 ~ 75			
	DHW	°C	20 ~ 70			

# Product news



Model			MHC-V12WD2N7	MHC-V14WD2N7	MHC-V16WD2N7	MHC-V12WD2RN7	MHC-V14WD2RN7	MHC-V16WD2RN7
Power supply			220-240V~50Hz			380-415V~3N-50Hz		
Cooling (A35W18)	Capacity	kW	12000	14000	16000	12000	14000	16000
	EER	/	4.50	4.20	3.90	4.50	4.20	3.90
Cooling (A35W7)	Capacity	kW	11500	12700	14000	11500	12700	14000
	EER	/	3.05	2.90	2.75	3.05	2.90	2.75
Heating(A7W35)	Capacity	kW	12000	14000	15000	12000	14000	15000
	COP	/	4.80	4.50	4.40	4.80	4.50	4.40
Heating(A7W45)	Capacity	kW	12000	14000	15000	12000	14000	15000
	COP	/	3.70	3.50	3.35	3.70	3.50	3.35
Heating(A7W55)	Capacity	kW	12000	14000	15000	12000	14000	15000
	COP	/	3.10	3.00	2.85	3.10	3.00	2.85
Heating(A2W35)	Capacity	kW	10700	11700	12800	10700	11700	12800
	COP	/	3.50	3.35	3.20	3.50	3.35	3.20
Heating(A-7W35)	Capacity	kW	10000	11500	12700	10000	11500	12700
	COP	/	2.80	2.70	2.50	2.80	2.70	2.50
SCOP	Average climate, W35	/	A+++	A+++	A+++	A+++	A+++	A+++
	Average climate, W55	/	A++	A++	A++	A++	A++	A++
Erp sound power Level4	dB		65	65	68	65	65	68
Unit dimension (W×H×D)	mm		1385×865×523					
Packing dimension (W×H×D)	mm		1465×1035×560					
Refrigerant	Type/GWP	/	R290/3					
	Charge	kg	1.25					
Operating ambient temperature	Cooling	°C	-5 ~ 46					
	Heating	°C	-25 ~ 35					
	DHW	°C	-25 ~ 46					
Water setting temperature	Cooling	°C	5 ~ 25					
	Heating	°C	25 ~ 75					
	DHW	°C	20 ~ 70					

## Main Technical Document Expected Timetable

Technical Document Category	Expected Completion Time
Brochure	May 15 <sup>th</sup> , 2023
Technical Manual	July 31 <sup>st</sup> , 2023
Service Manual	August 15 <sup>th</sup> , 2023
Catalogue	August 30 <sup>th</sup> , 2023
Selection software	July 31 <sup>st</sup> , 2023

If you have any questions, please do let us know.

Thanks for your attention and cooperation!