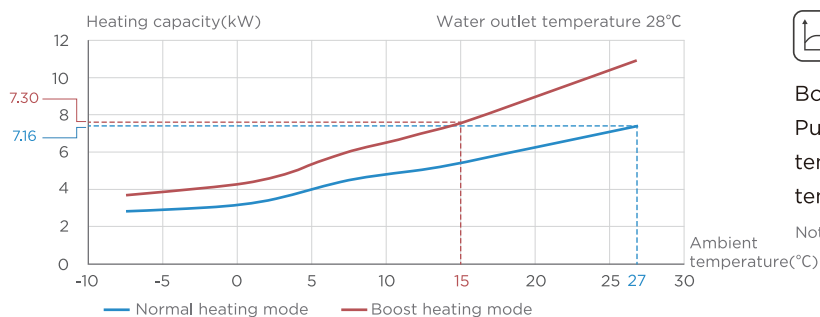




Note: The certification is expected to be available on June 30, 2022.



Note: For more details, please contact with Midea staff.



No Attenuation

Boost heating mode ensures ESG-Inv M Series Pool Heat Pump has no attenuation of capacity at 15°C ambient temperature compares with normal mode at 27°C ambient temperature(MSC-70D2N8-A, MSC-90D2N8-A)

Note: The curve on the left is for MSC-70D2N8-A, only for reference.



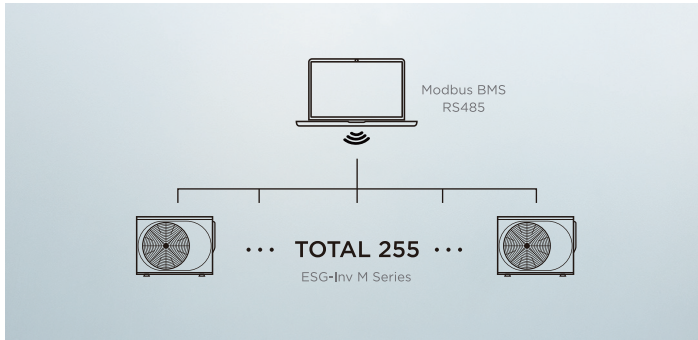
Heating&Cooling

ESG-Inv M Series contains **heating and cooling and automatic** modes, covering a wide range of operating environment temperature and target water temperature



Cooling Mode

Heating Mode



Pool System Centralized Control

ESG-Inv M Series is compatible with all centralized control pool systems using **Modbus protocol**

Note: Planned development. It will be notified when the function is available.

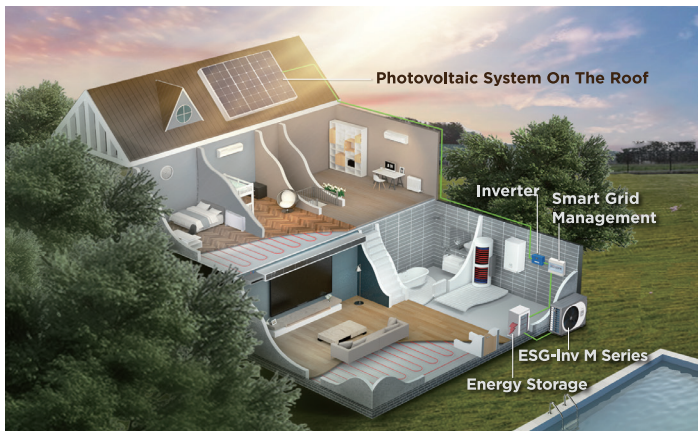


IOT&APP

App controls and **IOT** platforms are designed to ensure user ease of operation and reduce equipment maintenance costs

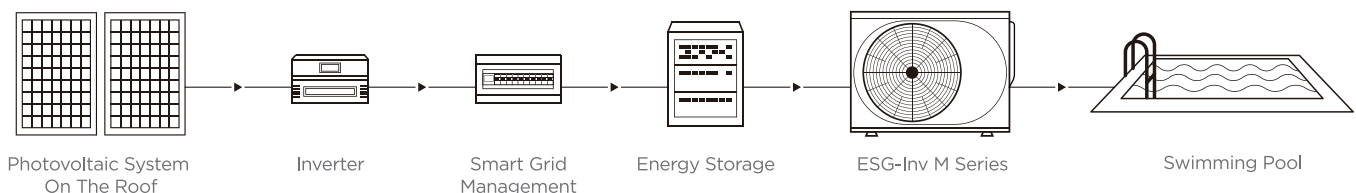
Note: App is expected to be available in July.

IOT platform is expected to be available in December.



SG-Ready

SG-ready ensures that ESG-Inv M Series uses as much clean energy as possible from the smart grid and stores the energy in the swimming pool. When the smart grid is fully supplied with clean energy, ESG-Inv M Series consume close to zero carbon





Smart Memory

Power-off memory function restores the ESG-Inv M Series to preset parameters after restart



Silence Mode

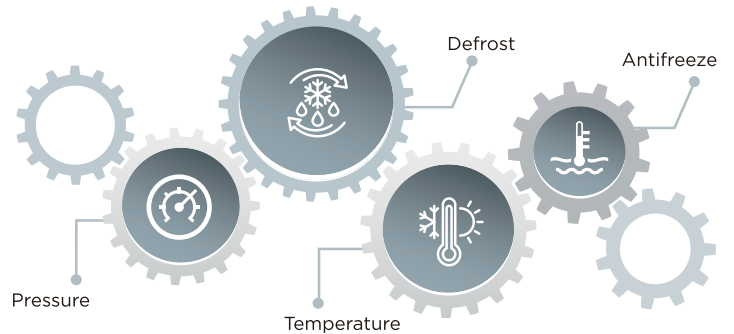
Silence mode level 2: 38dB(A) sound pressure at 1m with 60% capacity

Note: For MSC-70D2N8-A, Ambient temperature DB 27/WB 24.3 C, Water outlet temperature 28 C



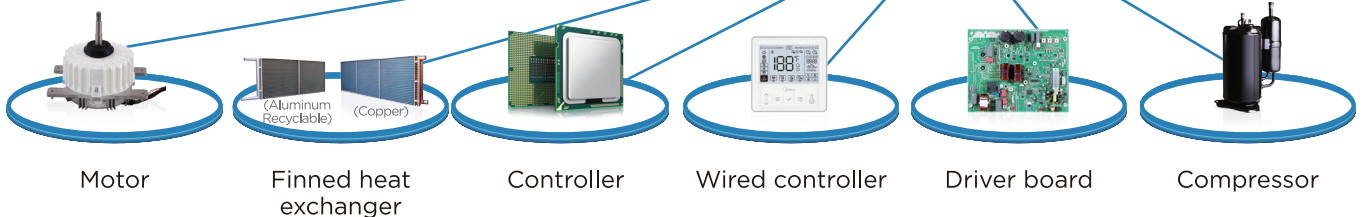
System Protection

ESG-Inv M Series have more than 10 protection functions including defrost/pressure/temperature/antifreeze to ensure that the unit runs in a long-term healthy state



The core components of ESG-Inv M Series are made by Midea Group, also known as flexible manufacturing. Flexible manufacturing ensures stable delivery in the supply chain and offers partners more possibilities for product customization

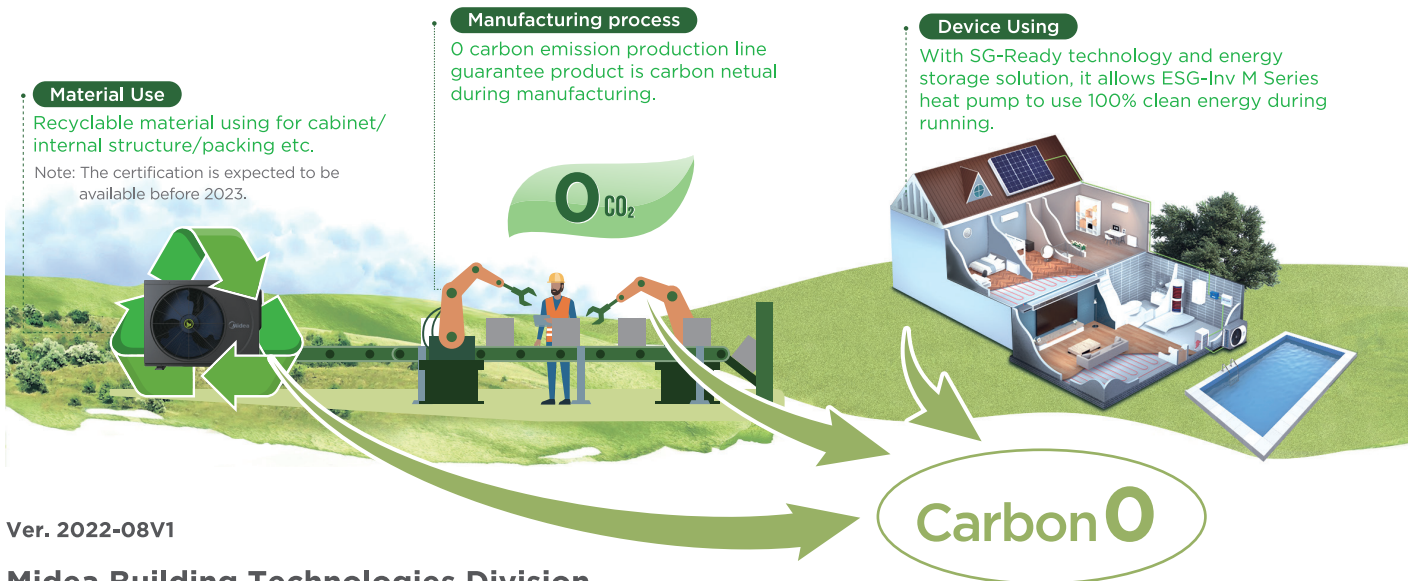
Flexible manufacturing by Midea



Parameter Table

Model		Available			Draft				
		MSC-70D2 N8-A	MSC-90D2 N8-A	MSC-120D2 N8-A	MSC-160D2 N8-A	MSC-200D2 N8-A	MSC-240D2 N8-A	MSC-200D2 RN8-A	MSC-240D2 RN8-A
Power supply		220-240V~ 50Hz			220-240V~ 50Hz			380-415V 3N~ 50Hz	
Boost heating capacity ¹	kW	10.3	12.8	14.5	19.5	24	29	24	29
Heating capacity ¹	kW	7.16	9.15	12.5	16	20	24	20	24
COP ¹		7.5	6.8	7	6.6	6.5	6.5	6.5	6.5
Boost heating capacity ²	kW	7.3	9.3	10.5	16	20	24	20	24
COP ²		4.69	4.45	4.6	4.25	4.1	4.1	4.1	4.1
Cooling capacity ³	kW	4.5	5.2	7	11	12	14	12	14
EER ³		4	3.35	4	2.8	2.6	2.8	2.6	2.8
Max power	kW	2.2	2.6	2.8	4.5	5.6	6.7	5.6	6.7
Max current	A	10.5	11	12	21	26	32	10	12
Refrigerant type		R32							
Sound pressure level (1m) ¹	dB(A)	41	43	49	52	53	55	53	55
Silence mode level 2 sound pressure level (1m) ¹	dB(A)	38	38	38	45	46	47	46	47
Water flow	m ³ /h	3.1	3.9	5.4	6.9	8.6	10.3	8.6	10.3
Water pressure drop	kPa	4.6	7.3	13.8	30	35	45	35	45
Water connection	mm	50	50	50	50	50	50	50	50

Note: 1. Ambient temperature DB 27/WB 24.3°C, Water outlet temperature 28°C 2. Ambient temperature DB 15/WB 12°C, Water outlet temperature 28°C 3. Ambient temperature DB 35°C, Water outlet temperature 28°C



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Note: Product specifications change from time to time as product improvements and developments are released and may vary from those in this document.