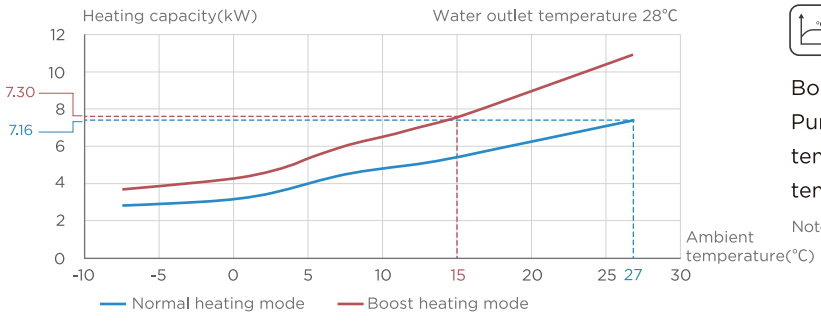
Note: The certification is expected to be available on June 30,2022.



5 YEAR WARRANTY

10 YEAR WARRANTY
INVERTER COMPRESSOR

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)

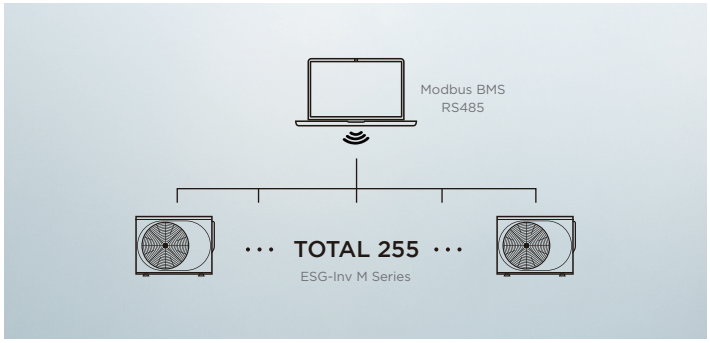
Note: The curve on the left is for MSC-70D2N8-A, only for reference.

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**

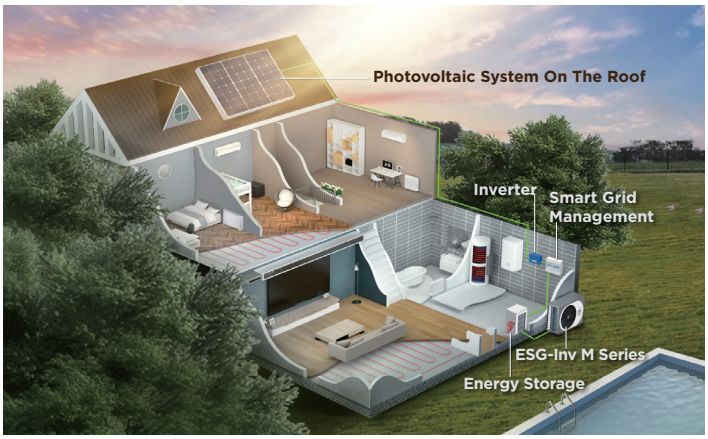
Note: Planned development. It will be notified when the function is available.

IOT&APP

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

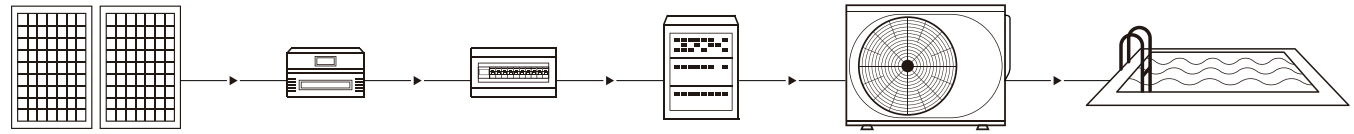
Note:App is expected to be available in July.
IOT platform is expected to be available in December.





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



Photovoltaic System On The Roof | Inverter | Smart Grid Management | Energy Storage | ESG-Inv M Series | Swimming Pool

Smart Memory

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





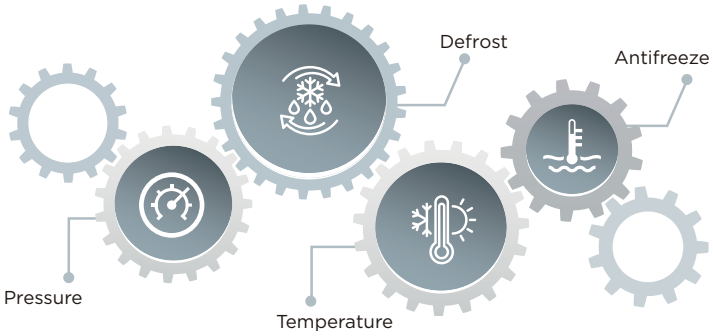
Silence Mode

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℃, Water outlet temperature 28℃

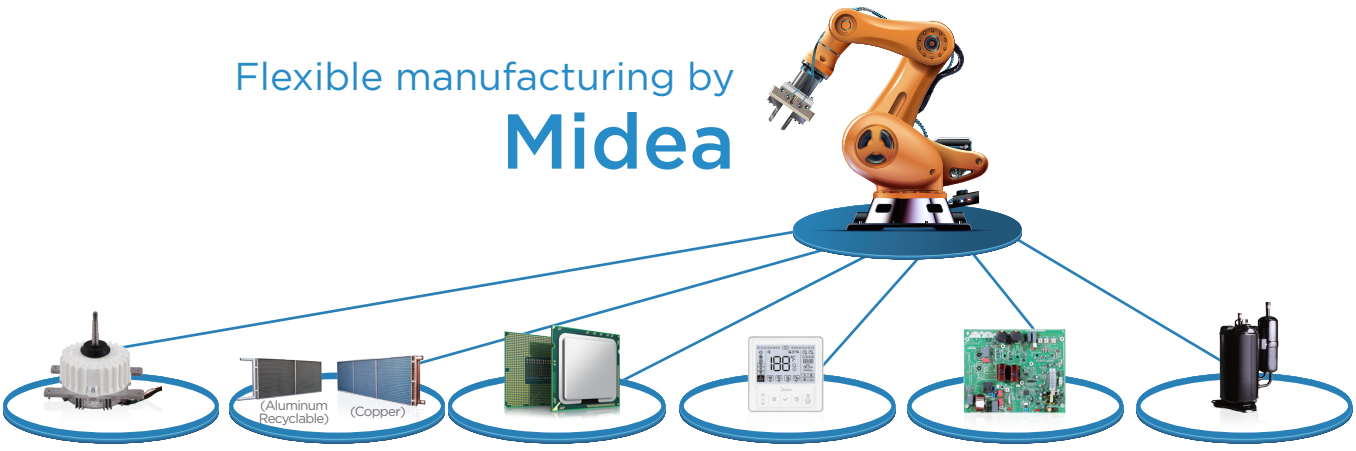
System Protection

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**



Motor | Finned heat exchanger | Controller | Wired controller | Driver board | Compressor

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
Power supply		220-240V~ 50Hz			220-240V~ 50Hz	
Boost heating capacity[1]	kW	10.3	12.8	14.5	19.5	24
Heating capacity[1]	kW	7.16	9.15	12.5	16	20
COP[1]		7.5	6.8	7	6.6	6.5
Boost heating capacity[2]	kW	7.3	9.3	10.5	16	20
COP[2]		4.69	4.45	4.6	4.25	4.1
Cooling capacity[3]	kW	4.5	5.2	7	11	12
EER[3]		4	3.35	4	2.8	2.6
Max power	kW	2.2	2.6	2.8	4.5	5.6
Max current	A	10.5	11	12	21	26
Refrigerant type		R32				
Sound pressure level (1m)[1]	dB(A)	41	43	49	52	53
Silence mode level 2 sound pressure level (1m)[1]	dB(A)	38	38	38	45	46
Water flow	m^3/h	3.1	3.9	5.4	6.9	8.6
Water pressure drop	kPa	4.6	7.3	13.8	30	35
Water connection	mm	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 4.MSC-160D2N8-A and MSC-200D2N8-A are under development and the specifications are always subject to change.

Material Use

Recyclable material using for cabinet/ internal structure/packing etc.

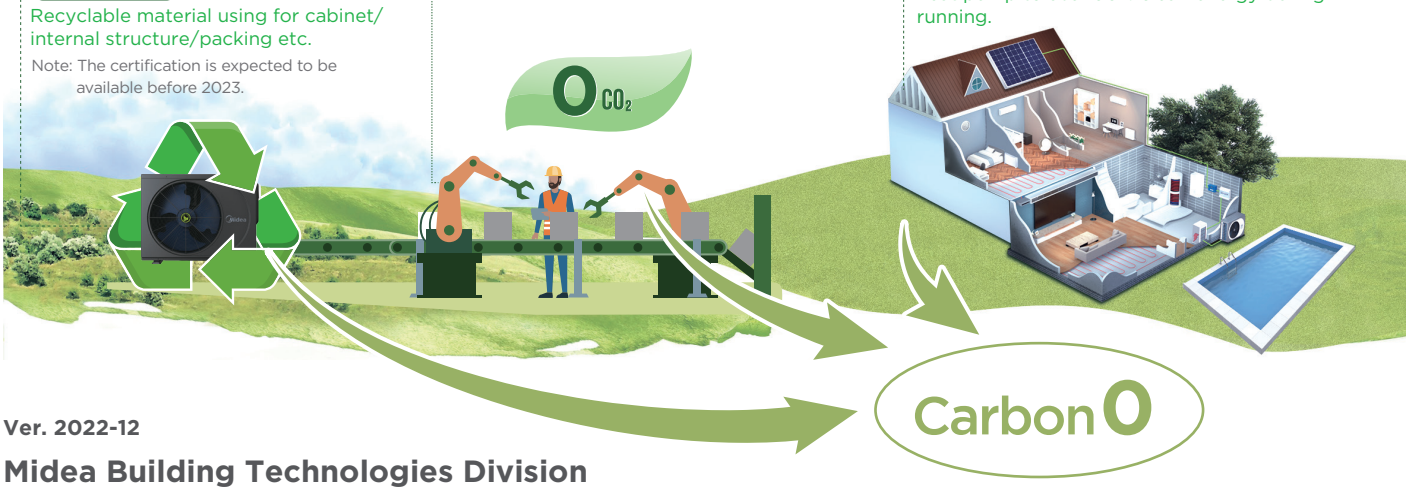
Note: The certification is expected to be available before 2023.

Manufacturing process

0 carbon emission production line guarantee product is carbon netual during manufacturing.

Device Using

With SG-Ready technology and energy storage solution, it allows ESG-Inv M Series heat pump to use 100% clean energy during running.



Ver. 2022-12

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Quality Assurance ISO 9001

Environmental Management ISO 14001

Occupational Health and Safety Management ISO 45001

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