



POOL HEAT PUMP

ESG-Inv M Series

The ESG-Inv M Series is committed to create a future Net-Zero heat pump product that conforms to the sustainable development strategy in terms of manufacturing/materials/equipment use. ESG-Inv M Series comfort the temp for pool and comfort the temp for environment



Heating & Cooling
Cooling Mode: 12°C - 30°C
Heating Mode: 10°C - 40°C



Silent Mode



**Centralized
Control - RS485**



**IOT for
Maintenance and
Device Control**



SG-Ready
Supplying clean
energy from the
smart grid.

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Parameter Table

Midea Model		MSC-70D 2N8-A	MSC-90D 2N8-A	MSC-120D 2N8-A	MSC-160D 2N8-A	MSC-200D 2N8-A
Power supply		220-240V 1N 50Hz				
Summer Conditions						
Heating capacity (Air 27°C/Water 26°C/Humid. 80%)	kW	2.9-7.16	2.9-9.15	2.8-12.5	3.8-16.0	3.8-18.8
COP		12.1-6.6	12.1-6.0	12.2-6.35 1	2.4-5.1	12.4-4.4
Boost Mode(Max) capacity(Air 27°C/Water 26°C/Humid. 80%)	kW	2.9-10.3	2.9-12.8	2.8-14.5	3.8-18.7	3.8-21.8
COP		12.1-7.5	12.1-6.8	12.2-7.0	12.4-6.0	12.4-5.2
Winter Conditions						
Heating capacity (Air 15°C/Water 26°C/Humid. 71%)	kW	1.9-5.3	1.9-6.8	2.0-9.1	3.5-12.8	3.5-14.5
COP		6.55-5.1	6.55-4.9	6.9-5.05	7.6-4.5	7.6-4.2
Boost Mode(Max) Heating capacity	kW	1.9-7.3	1.9-9.3	2.0-10.5	3.5-15.0	3.5-17.0
COP		6.55-4.69	6.55-4.45	6.9-4.6	7.6-3.8	7.6-3.6
EER		4.2-4.0	4.2-3.35	4.7-4.0	3.8-3.0	3.8-2.6
Max current	A	10.5	11	12	18	23
Refrigerant type		R32				
Sound pressure level (1m)	dB(A)	41	43	49	50	54
Silent mode sound pressure level (1m)	dB(A)	39	39	40	41	43
Water flow	m³/h	3.1	3.9	5.4	6.9	8.3
Water pressure drop	kPa	4.6	7.3	13.8	23	33
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.