

The newest technology
for Pool heat pumps.



Why Inverter Technology?

Powered by Inverter Technology, the Inverter can intelligently adjust the heating capacity from 20% to 100% based on varying heating demands.

When the season starts and heating demand is high, the Inverter operates at 100% compressor and fan speed for fast heating. When maintaining the pool temperature, the Inverter runs at low speed for energy savings, offering a higher COP and lower sound pressure.



Built-in Wi-Fi module

Control your device remotely with the Moov App.

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Average 7 times quieter

Average sound pressure 48 dB(A) at 1m



Soft start



When the inverter turns on, the current starts at 0 and gradually increases to the rated current in under 2 minutes. This does not affect the household electrical system, unlike traditional heat pumps, which start at a higher current and therefore consume more energy.

Twin-rotary DC inverter compressor

Based on the innovative 'Twin Mechanism' solution, two rotors operate together to balance the torque and prevent shaking. This leads to higher efficiency and quieter operation.



Calculate your savings

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MOOV
POOL PRODUCTS

The heat pumps efficiently works with climate conditions, setup and other factors such as the average pool temperature chosen. Please consult a pool expert first to confirm the right product for your needs.

Moov Inverter	MI500	MI650X	MI900	MI1100	MI1400
Maximum pool capacity (gallons)	< 14,000	< 18,000	< 28,000	< 32,000	< 42,000
Maximum pool capacity (litres)	< 52,000	< 68,000	< 105,000	< 120,000	< 158,000
Operating Temperature (°F)	50 - 100				
Performance Condition: Air 80°F, Water 80°F, Humidity 80%					
Heating capacity (Btu)	50,000	60,000	80,000	110,000	140,000
Heating capacity with silence mode (Btu)	40,000	52,000	72,000	98,000	122,000
C.O.P	10.8-5.36	11.2-5.41	13.4-4.0	13.5-5.4	13.1-5.8
Performance Condition: Air 80°F, Water 80°F, Humidity 80%					
Heating capacity (Btu)	47,000	61,000	85,000	104,000	133,000
C.O.P	9.7-5.3	9.9-5.36	12.3-4.7	12.2-5.4	11.0-5.7
Performance Condition: Air 80°F, Water 80°F, Humidity 80%					
Heating capacity (Btu)	28,900	37,000	64,000	67,000	88,000
C.O.P	6.3-4.15	5.3-4.3	5.5-4.3	5.3-4.2	5.3-4.1
Technical					
Input capacity (kW) at air 80°F	0.44-3.55	0.55-3.36	0.64-4.36	0.61-5.9	0.85-4.85
Inlet capacity (A) at air 80°F	2.09-11.0	2.35-14.8	2.54-19.1	2.65-26.4	3.66-29.8
Circuit Breaker (A)	30	30	30	40	50
Current	208-230V / 1ph / 60Hz				
Required water flow (L/min)	83-116	108-142	126-156	133-167	155-204
Sound lever 3m dB(A)	48				
Heat exchanger	Stainless St. PVC				
Coating	ABS coating				
Air discharge	Horizontal				
Water Inlet and outlet	2"				
Dimensions	37.8x13.4x26.9	37.8x16.5x26.9	43.0x15.5x27.7	37.2x27.3x38.5	32.0x37.7x42.0
Net weight (lbs)	114	134	229	281	317
Labor guarantee	3 years				
Warranty on parts	5 years				
Warranty on the exchanger	10 years				