

**M̄ŌV™**  
POOL PRODUCTS

**Inverter**

The newest technology  
for Pool heat pumps.



[moovpool.com](http://moovpool.com)

**50%**

**Higher energy saving**

Lowest operation cost  
and highest efficiency

**48dB(A)**

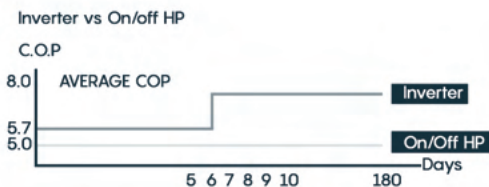
**at 1m**

Unparalleled sound level

## 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.

January 2025

## Average 7 times quieter

Average sound pressure 48 dB(A) at 1m

Thanks to the quiet DC Full-Inverter Compressor, the Moov Inverter offers the quietest operating sound range in its category.

## Soft start

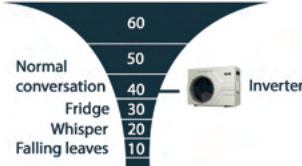
When the inverter turns on, the current starts at 0 and gradually increases to the rated current in under 2 minutes. This does not affect the household electrical system, unlike traditional heat pumps, which start at a higher current and therefore consume more energy.

## 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



\*AHRI approves the COP and BTU when the heat pump is operating at 100%.

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The heat pump's efficiency varies with climatic conditions, setup and other factors such as the average pool temperature desired. 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	< 155 000
Operating Temperature (°F)	32 - 109				
Performance Condition: Air 80°F/ Water 80°F/ Humidity 80%   With an operating speed ranging from 20% to 100%					
Heating capacity (Btu)	46,000	61,500	82,000	108,000	135,000
C.O.P	6.0-13.0	5.8-13.2	6.0-13.6	5.9-13.5	5.7-13.1
Performance Condition: Air 80°F/ Water 80°F/ Humidity 63%   With an operating speed ranging from 20% to 100%					
Heating capacity (Btu)	43,000	58,000	78,000	102,000	124,000
C.O.P	5.7-12.0	5.4-12.0	5.8-12.3	5.5-12.2	5.3-11.0
Performance Condition: Air 50°F/ Water 80°F/ Humidity 63%   With an operating speed of 100%					
Heating capacity (Btu)	28,000	37,000	49,000	64,000	81,000
Performance Condition: Air 50°F/ Water 80°F/ Humidity 63%   With an operating speed ranging from 20% to 80%					
Heating capacity (Btu)	20,000	27,000	42,000	50,000	61,000
C.O.P	4.1-5.2	4.3-5.8	4.2-5.5	4.1-5.2	4.3-5.2
Technical					
Input capacity (kW) at air 80°F	0.46-2.53	0.53-3.39	0.54-4.39	0.61-5.9	0.85-6.85
Inlet capacity (A) at air 80°F	2.00-11.0	2.30-14.8	2.34-19.1	2.65-25.6	3.69-29.8
Circuit Breaker (A)	20	30	30	40	50
Current	208-230V / 1pH / 60Hz				
Required water flow (L/min)	83-116	108-142	125-158	133-167	133-254
Sound lever 3m dB(A)	48				
Heat exchanger	Titanium in PVC				
Coating	ABS casing		ABS + Metal		
Air discharge	Horizontal		Vertical		
Water inlet and outlet	1 1/2"		2"		
Dimensions	37.8x13.4x25.9	37.8x16.5x25.9	43.0x16.5x37.7	37.2x27.3x38.5	32.0x37.7x42.0
Net weight (lbs)	114	134	229	251	317
Labor guarantee	3 years				
Warranty on parts	5 years				
Warranty on the exchanger	10 years				