

ACiQ™



The Newest Technology in Pool Heat Pumps

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5 Year Heat Exchanger and Compressor &
3 Year Parts & Labor Warranty



Why ACiQ Technology?

Powered by Energy Efficient Technology, ACiQ Pool Heat Pumps intelligently adjust heating capacity from 20% to 100% to meet heating demands.

When the heating demand is high, ACiQ Pool Heat Pumps operate at 100% capacity for powerful heating. To maintain temperature, they run at lower speeds, optimizing energy savings and ensuring quieter operation.

50% Higher energy saving

Average COP 8 at 50% capacity, max. COP of 10

The average COP is 8 at air and water temperatures of 80°F with 80% humidity, meaning it can deliver up to 8 kW of heat for each kW of electricity consumed. Traditional on/off heat pumps typically have a COP around 5, providing less heat.

ACiQ heat pumps vs On/off HP



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.



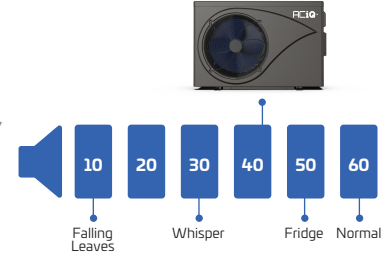
Soft start

When the heat pump starts, the current temperature gradually increases to the specified level in under 2 minutes. This gradual rise minimizes the impact on the home's electrical system. Traditional heat pumps start immediately with the specified temperature level, leading to greater energy consumption.

7x Quieter

Than Traditional Pool Heaters

With the quiet DC Full-Inverter compressor, Infinity Living Pool Heat Pumps operate at an average sound pressure of 48dB at 1 meter, providing the quietest operating sound range available.



Additional Features

Twin-Rotary DC Inverter Compressor

Twin-Mechanism innovation features two rotors working together to balance torque, resulting in higher efficiency and quieter operation.

Spiral Titanium Heat Exchanger

30% Higher heat exchanger surface area.

HP-BOOSTER Technology

20% Higher COP than traditional on/off heat pumps.

ACiQ	PHP-50	PHP-65	PHP-90	PHP-110	PHP-140
Maximum pool capacity (gallons)	≤ 14 000	≤ 18 000	≤ 28 000	≤ 32 000	≤ 42 000
Maximum pool capacity (liters)	≤ 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°F					
Heating capacity (BTU)	50 000	65 000	90 000	110 000	140 000
Heating capacity (BTU) Silence mode	40 000	52 000	72 000	88 000	112 000
C.O.P	10.6-5.98	11.2-5.61	13.6-6.0	13.5-5.8	13.1-5.8
Performance Condition: Air 80°F / Water 80°F / Humidity 63°F					
Heating capacity (BTU)	47 500	61 000	85 000	104 000	132 000
Heating capacity (BTU) Silence mode	37 200	48 800	68 000	83 500	105 500
C.O.P	9.7-5.5	9.9-5.35	12.3-5.7	12.2-5.6	11.0-5.7
Performance Condition: Air 50°F / Water 80°F / Humidity 63°F					
Heating capacity (BTU)	28 900	37 000	54 000	67 000	85 000
Heating capacity (BTU) Silence mode	20 295	26 970	43 000	54 000	68 000
C.O.P	5.1-4.15	5.2-4.3	5.5-4.3	5.2-4.2	5.2-4.1
Air input capacity (kW) 80°F	0.46-2.53	0.53-3.39	0.54-4.39	0.61-5.9	0.85-6.85
Air inlet capacity (A) 80°F	2.00-11.0	2.30-14.8	2.34-19.1	2.65-25.6	3.69-29.8
Fuse (A)	20	30	30	40	50
Power supply	208-230V/1pH/60Hz				
Advised water flux (L/min)	83-116	108-142	125-158	133-167	133-254
Sound pressure 3m dB(A)	34.9-46.0	38.2-47.3	37.5-49.0	35.5-49.5	39.6-51.2
Heat exchanger	Titanium PVC				
Casing	ABS casing			ABS + Metal	
Air discharge	Horizontal			Vertical	
Water pipe in-out Spec (inch)	1 1/2"			2"	
Dimension	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
Warranty Parts and Labor	3 years				
Warranty on the exchanger and compressor	5 years				

