



MR. COMFORT

InverPad® Tech



-5°C



COP
up to 15



42 dB(A)
Comfort Silence





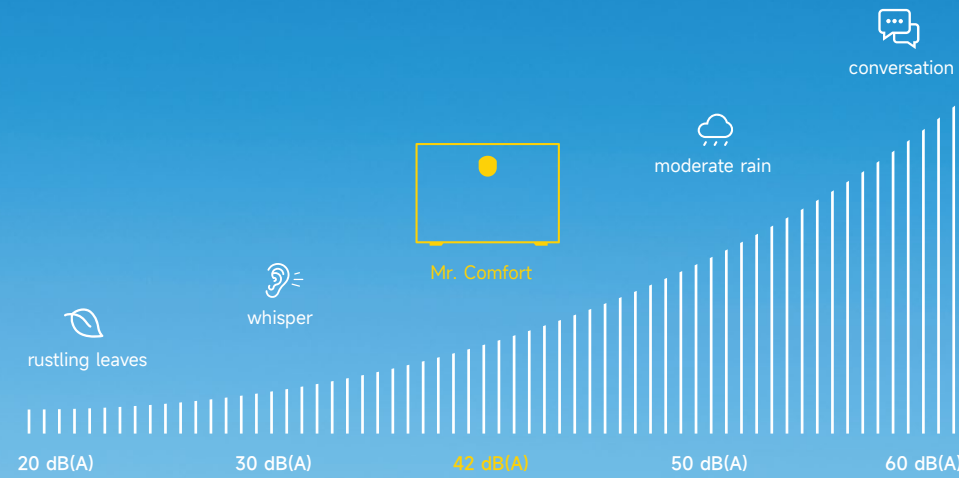
INVERPAD® **TECH**

Green & Luxury Pool Living

InverPad® is a special Stepless DC Inverter technology developed by Aquark. It continues Aquark's classic Pad design, combined with leading aerodynamic optimization and systematic noise canceling technology, achieving comfortable quiet operation at 42 dB(A), while bringing remarkable energy-saving performance.

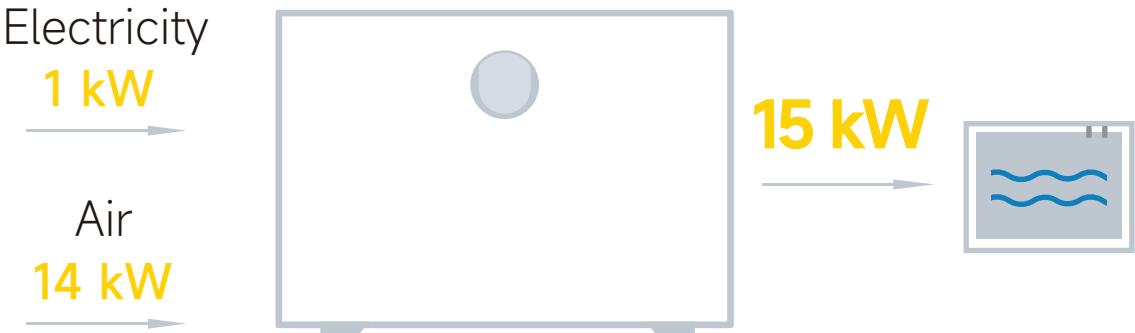
42 dB(A) Silence

Thanks to the Pad design and side-in, back-out airflow system, Mr. comfort deliver ultra-quiet operation at just 42 dB(A), which 10x quieter than on/off heat pumps, and providing a peaceful garden environment for both pool owners and neighbors.



COP UP TO 15

Aquark’s self-developed InverPad® tech allows Mr. comfort to maintain a lower running rate after reaching the desired pool temperature. This technology achieves a COP of up to 15, resulting in 45% energy savings compared to traditional on/off heat pumps.



Other Features

EEV

EEV Technology 10 times flexibility to adjust the gas flow and increase the COP by up to 20%.

Twisted titanium heat exchanger: 40% higher efficiency than normal titanium heat exchanger.

Reverse cycle defrosting with 4-way valve for quick and efficient defrosting.

Operating air temperature from -5°C ~ 43°C.



Parameters of Mr. Comfort

			MCC07	MCC09	MCC13	MCC16	MCC20	MCC24
Technology			InverPad® tech					
Operating air temperature (°C)			-5°C~43°C					
Gas			R32					
Advised pool volume (m3) *			15~30	20~50	30~60	40~75	50~90	60~110
 Performance	Heating capacity (kW)	Air 27°C	7.0	9.0	12.6	16.1	20.0	24.0
	COP range	Water 27°C	13.5~6.3	14.0~6.5	14.0~6.4	15.0~6.5	15.0~6.5	14.5~6.4
	Average COP at 50% Speed	Humid. 80%	9.2	9.0	9.5	9.6	9.3	9.6
	Heating capacity (kW)	Air 15°C	5.0	6.5	9.0	11.0	14.0	16.2
	COP range	Water 26°C	6.8~4.3	6.8~4.5	7.0~4.4	7.0~4.5	7.0~4.6	7.2~4.5
	Average COP at 50% Speed	Humid. 70%	6.1	6.2	6.3	6.3	6.2	6.3
 Components	Compressor	Twin-rotary DC Compressor						
	Heat exchanger	Aluminum-alloy						
	Casing	Twisted Titanium Heat Exchanger						
	Power supply	230V~/1Ph/50Hz						
 Sound	Sound level at 1m dB(A)		38.5~48.0	39.0~48.4	42.2~50.8	41.2~54.4	43.4~54.1	41.8~56.0
	Sound level by 50% speed 1m dB(A)		41.2	41.6	45.8	45.9	46.8	47.3
	Sound level at 10m dB(A)		18.5~28.0	19.0~28.4	22.2~30.8	21.2~34.4	23.4~34.1	21.8~36.0
 Others	Rated input power (kW)		0.19~1.16	0.23~1.44	0.33~2.05	0.39~2.44	0.49~3.04	0.58~3.60
	Input power at 50% Speed (kW)		0.41	0.53	0.72	0.88	1.13	1.29
	Rated input current (A)		0.83~5.04	1.00~6.26	1.43~8.91	1.70~10.61	2.13~13.22	2.52~15.65
	Advised water flux (m³/h)		2~4	2~4	4~6	6~8	7~10	10~12
	Water connection (mm)		50mm					

Remarks: The data above is only for reference. For specific data, please refer to the nameplate on the unit.
* Advised pool volume applies to a private pool with isothermal cover, from April to September.

