



MR. PERFECT AIR



Ready for -10°C



COP up to 16



20X Silence



120% Turbo Mode



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INVERPAD[®] **TURBO**

As the first application of the Turbofan system to pool heat pumps, Aquark revolutionized the pool heating experience - Turbo yet Quiet!

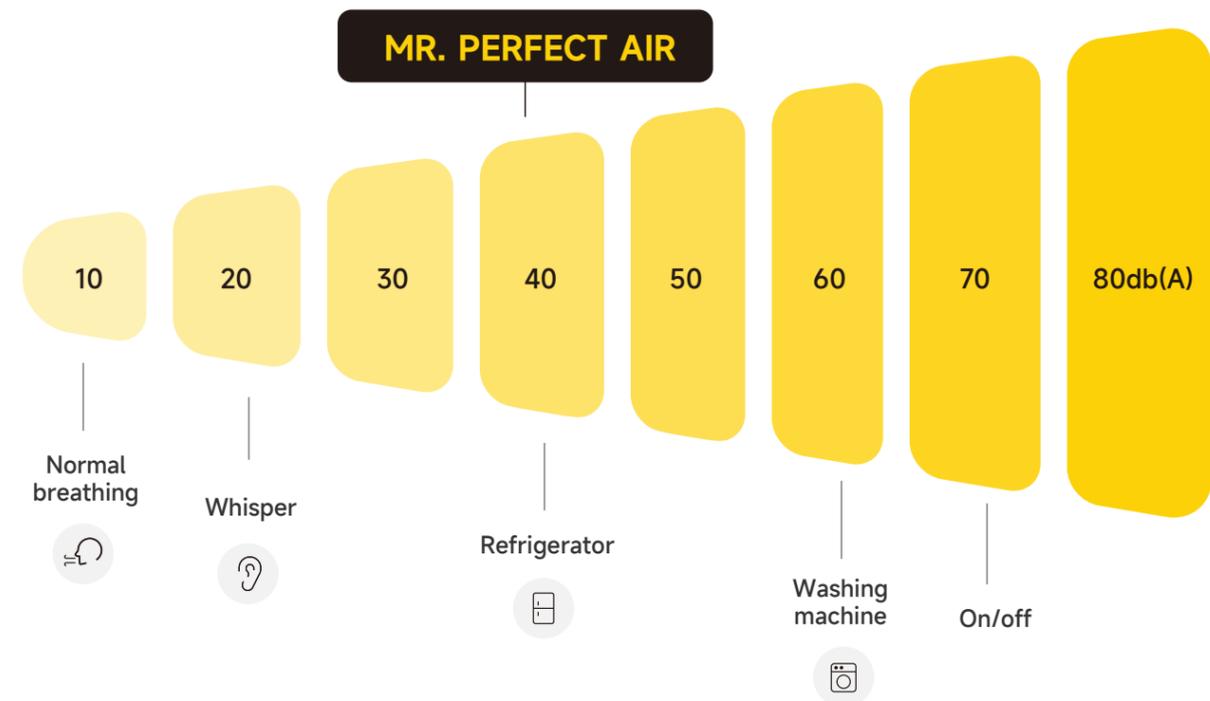
Through a unique airflow design, high-efficiency Turbofan, and advanced noise-canceling tech, InverPad Turbo delivers exceptional quiet running performance while minimizing environmental impact. Enjoy 4-season swimming life, with a peaceful vibe and elevated energy efficiency.

20X SILENCE

38.5 dB(A) at 1m

 Revolutionary airflow design

 Noise cancelling technology



COP UP TO 16

 1kW electricity brings 16kW heat output

 120% stepless automatic inverter control



Other Features



-10°C-43°C



Aluminum-alloy Casing



Mitsubishi Twin-rotary
DC Compressor



120% Turbo mode



Parameters of Mr. Perfect Air

	MPAC070	MPAC090	MPAC120	MPAC140	MPAC180	MPAC230	MPAC260	MPAC320	MPAC400	MPAC400s	
Technology	InverPad® Turbo (Patented)										
Operating air temperature (°C)	-10°C-43°C										
Advised pool volume (m ³) *	10-25	15-30	20-45	30-55	35-65	45-80	50-95	60-120	60-120	85-160	
Performance	Air 27°C / Water 27°C / Humidity 80%										
	Heating capacity (kW) Turbo Mode	7.0	9.0	11.8	13.9	17.5	22.5	25.5	31.5	39.5	39.5
	Heating capacity (kW) Perfect Mode	5.3	6.9	9.2	10.4	13.5	17.9	19.6	23.9	30.8	30.8
	COP range	15.1-7.1	15.2-7.0	15.0-7.0	15.0-7.1	15.1-6.9	15.6-7.2	15.4-7.1	15.3-7.0	15.8-6.9	16.0-6.9
	Average COP at 50% Speed	11.1	11.1	11.0	11.0	11.0	11.3	11.2	11.2	11.5	11.5
	Air 15°C / Water 26°C / Humidity 70%										
	Heating capacity (kW) Turbo Mode	5.1	6.5	7.7	9.1	11.3	14.9	18.0	21.7	29.0	29.0
	Heating capacity (kW) Perfect Mode	3.9	5.0	5.8	7.1	8.9	11.9	13.7	16.6	21.8	21.8
	COP range	7.3-5.0	7.2-4.9	7.2-4.8	7.5-4.9	7.4-4.9	8.1-5.0	7.7-5.0	7.8-5.0	7.9-4.9	7.9-4.9
	Average COP at 50% Speed	6.6	6.5	6.5	6.4	6.5	6.8	6.7	6.7	6.8	6.9
	Air 35°C / Water 28°C / Humidity 80%										
	Cooling capacity (kW)	2.8	3.3	3.9	4.5	5.9	7.4	8.0	9.7	12.1	12.1
Components	Twin-rotary Mitsubishi DC Compressor										
	Turbo Fan										
	Aluminum-alloy Casing										
	230V~/1Ph/50Hz										
Sound	400V 3Ph										
	Sound level at 1m dB(A)	36.3-44.2	36.4-44.5	36.5-44.6	36.7-46.1	39.5-46.9	39.8-50.0	40.0-50.5	40.6-51.0	40.8-51.4	40.9-51.5
	Sound level by 50% speed 1m dB(A)	38.3	38.4	38.5	40.6	42.3	43.2	43.4	45.3	45.8	45.9
Sound level at 10m dB(A)	16.3-24.2	16.4-24.5	16.5-24.6	16.7-26.1	19.5-26.9	19.8-30.0	20.0-30.5	20.6-31.0	20.8-31.4	20.9-31.5	
Others	Rated input power (kW)	0.16-1.21	0.21-1.59	0.26-1.93	0.30-2.22	0.37-2.76	0.48-3.55	0.58-4.29	0.69-5.17	0.95-7.07	0.95-7.07
	Input power at 50% Speed (kW)	0.39	0.50	0.59	0.71	0.87	1.10	1.34	1.62	2.13	2.10
	Rated input current (A)	0.70-5.26	0.91-6.91	1.13-8.39	1.30-9.65	1.61-12.00	2.09-15.43	2.52-18.65	3.00-22.48	4.13-30.74	1.38-10.25
	Advised water flux (m ³ /h)	2-4	2-4	2-4	3-4	4-6	6-9	8-10	10-12	12-18	12-18
	Water connection (mm)	50									

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.

