iGarden

InverPad Turbo

AI Pool Heat Pump



Artful Living Technology

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RECORD HOLDER

29.69dB(A)

Quietest Pool Heat Pump（prototype）



iGarden | FAIRLAND GROUP

Bring 500M AI Gardens Alive

Built on Fairland Group's 20+ years of innovation in the garden vertical scenario,iGarden brings AI Garden into real outdoor living through an expanding product portfolio across pool care, water play, lawn care, comfort and energy.

- For users, AI Garden transforms the backyard from a space to maintain into a desirable living destination — always ready, more enjoyable, and used more often.
- For partners, iGarden turns single-product sales into an expandable ecosystem journey — unlocking more scenarios, cross-category upgrades, and stronger lifetime value.

AQUARK®

Born from a spirit of ultimate innovation, Aquark has created a continuous series of dream pool products, including the first INVERPAD® Pool Heat Pump, and the first INVERPAD® TURBO Pool Heat Pump. Aquark revolutionized the pool heating industry with the widespread adoption of INVERPAD® technology across over 120 countries.
Joining the force of creating intelligent outdoor living in 2022, Aquark has delivered more new and exciting technologies, featuring the world's first inverter salt chlorinators and cutting-edge AIOP pool water treatment.



INVERPAD® TURBO

Mr. Wow

Always Different, Always Innovating





iGarden Pool Heat Pump InverMax Pro Horizontal
P43-P46

iGarden Pool Heat Pump M20
P33-P38

iGarden Pool Heat Pump M30
P21-P32

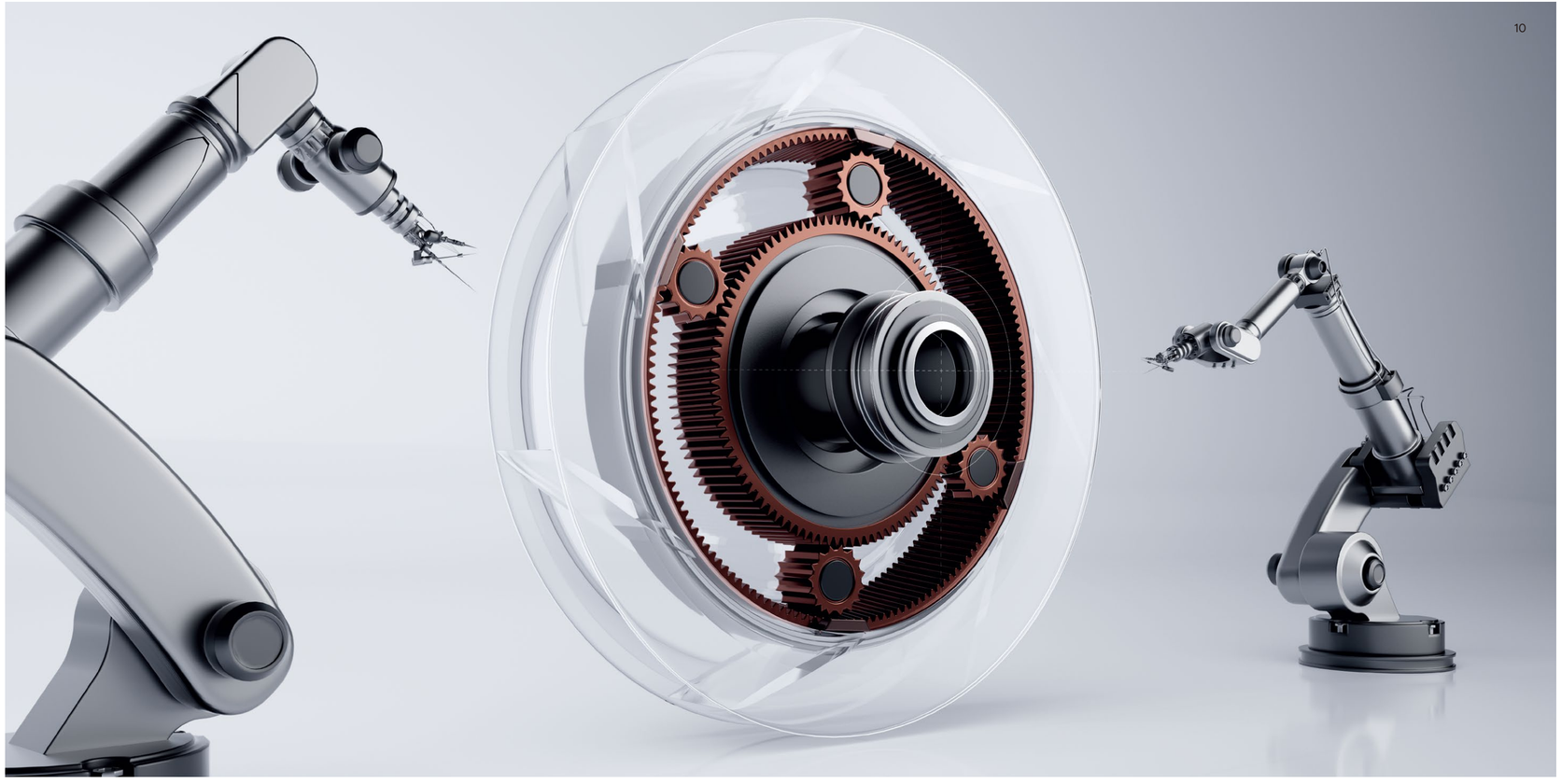
iGarden Pool Heat Pump M10
P39-P42

INVERPAD® TURBO | R-290

Revolutionary Innovation, Best & Better Breakthrough

Developed in 2022, the InverPad Turbo revolutionized pool heating with silent and powerful performance. Its unique Pad design, groundbreaking Turbofan, and stepless DC inverter technology earned the Guinness World Record for the "Quietest Pool Heat Pump".

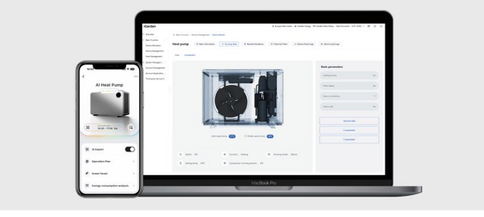
To bring customers the ultimate experience, Aquark has created the upgraded iGarden Pool Heat Pump M30. By combining InverPad Turbo with next-gen R-290 refrigerant, it achieves an industry-leading COP up to 30, provides ≈ 0 GWP, keeps 30X silence, and realizes effortless 4-season swimming for families.



iGarden AIoT System

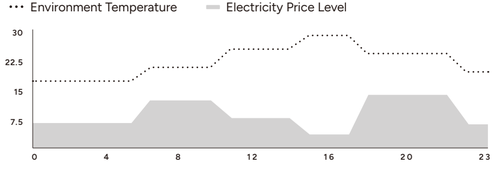
AIoT Platform

Serving 100+ countries, iGarden AIoT brings device management, data insights, after-sales service and distributor support together in one platform — powered by AI Agents, smarter and easier.



AI Smart Grid

Real-time weather + Live electricity prices = Perfectly warm pools, Perfectly low bills.





INVERPAD® TURBO

Mr. Wow

Always Different, Always Innovating

Inverpad Turbo | R290

30X Silence

Cop up to 30.5

AI MODIFIED

iGarden

AI App Supported

30X Silence

36.2 dB(A). Whisper-level sound.

Silence is part of the poolside experience. Mr. Wow is engineered to reduce noise from airflow, vibration and system operation, allowing heating to run quietly in the background. With sound pressure level as low as 36.2 dB(A), it keeps the pool warm without disturbing conversations, relaxation or the atmosphere around the water.



Library	Mr. Wow	Refrigerator
30 dB(A)	36.2 dB(A)	40 dB(A)



COP up to 30.5
130% Turbo Heating

Exceptional efficiency, intelligently delivered.

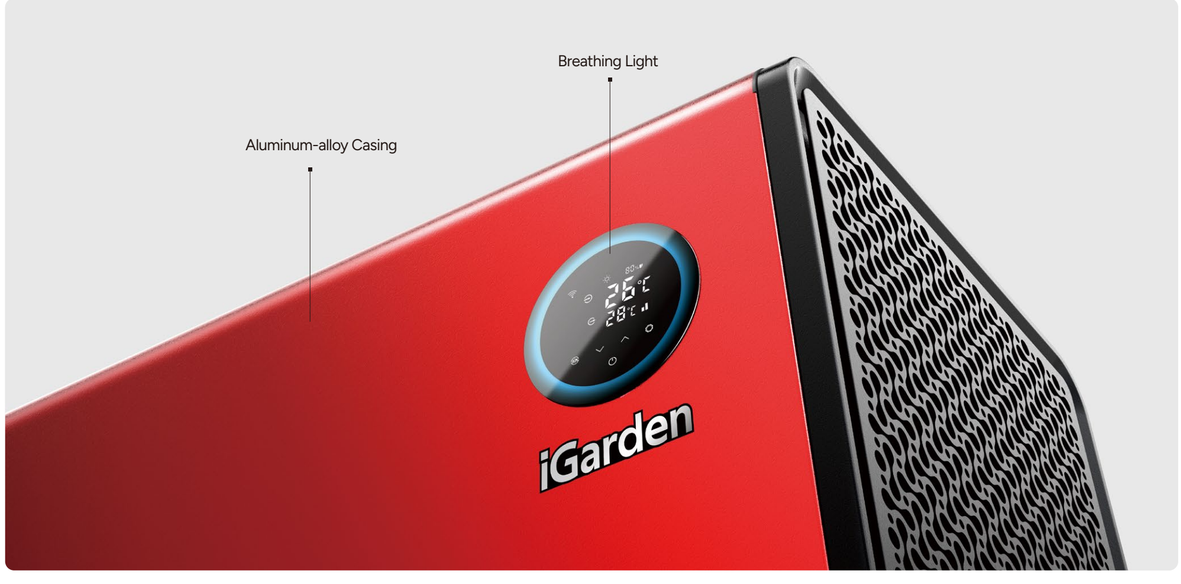
Mr. Wow is built for both fast comfort and long-term efficiency. With COP up to 30.5, it helps deliver more heat from every unit of energy. When rapid temperature rise is needed, 130% Turbo Heating provides stronger output to bring the pool to comfort faster. Once the desired temperature is reached, intelligent control helps maintain warmth with optimized energy use.

COP 30.5



Other Features

- Futuristic PAD design
- Breathing light
- -20°C~43°C
- OTA upgrade
- iGarden Multi-device Linkage
- iGarden Service Platform Supported



R-290 Parameters of iGarden Mr. Wow

Model		MW-RC130	MW-RC180	MW-RC240
Operating air temperature (°C)			-20°C~43°C	
Advised pool volume (m3) *		25~45	35~65	45~80
Gas			R-290	
PERFORMANCE CONDITION: Air 27°C/ Water 27°C/ Humid. 80%				
Turbo Mode (130%)	Heating capacity (kW)	12.6	18.1	23.6
Perfect Mode	Heating capacity (kW)	9.8	14.0	18.8
	COP	30.5~9.1	26.0~8.8	26.1~8.8
	Average COP	16.2	15.9	15.9
PERFORMANCE CONDITION: Air 15°C/ Water 26°C/ Humid. 70%				
Turbo Mode (130%)	Heating capacity (kW)	8.8	12.4	16.2
Perfect Mode	Heating capacity (kW)	7.1	9.8	12.9
	COP	10.1~6.4	10.0~6.3	9.8~6.2
	Average COP	8.6	8.3	8.3
PERFORMANCE CONDITION: Air 35°C/ Water 28°C/ Humid. 80%				
Cooling capacity (kW)		6.0	8.2	10.6
TECHNICAL SPECIFICATIONS				
Air Direction			Side Discharge	
Casing			Aluminum-alloy Casing	
Power supply			230V~/1Ph/50Hz	
Rated input power (kW)		0.19~1.60	0.27~2.29	0.36~3.04
Input power at 50% speed (kW)		0.51	0.75	0.98
Rated input current (A)		0.83~6.95	1.19~9.95	1.59~13.21
Sound level at 1m dB(A) (20%~100%)		36.0~42.1	37.0~45.1	37.5~46.5
Sound level 50% at 1m dB(A)		36.2	39.5	40.4
Sound level at 10 m dB(A) (20%~100%)		16.0~22.1	17.0~25.1	17.5~26.5
Advised water flux (m^3/h)		2~4	4~6	6~9
Water connection (mm)			50mm /48.3mm	

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.

INVERPAD® TURBO

iGarden
Pool Heat Pump M30

Invisible Sound. Incredible Efficiency.

- 30X Silence
- 30X Energy Saving
- Air Operation -20°C

AI MODIFIED



iGarden
AI App Supported

30X Silence

36.4 dB(A). Whisper with Nature

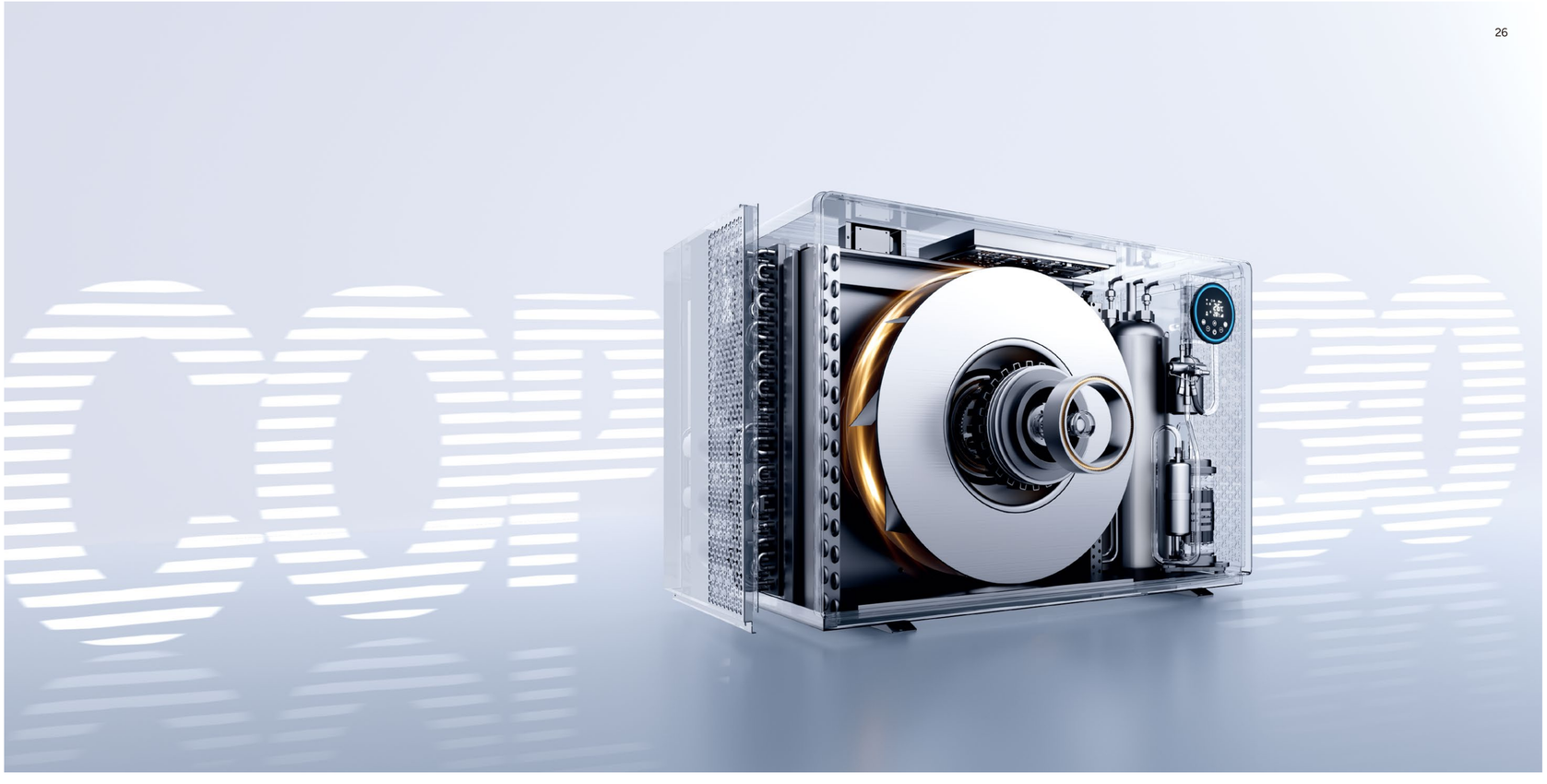
Powered by InverPad Turbo Tech, iGarden Pool Heat Pump M30 achieves nearly 0 mechanical noise, 0 refrigerant flow noise, and 0 vibration noise, running at 36.4 dB(A), quiet as whispers. Enjoy lounge poolside, immersed in nature's real sounds.



30X Saving

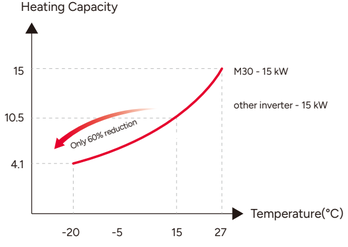
COP up to 30. Thrive with Nature

With our high-efficiency InverPad Turbo tech, the M30 achieves a new leap in energy efficiency, with 1 unit electricity bringing a maximum 30 units heat output. Thrive with nature through every swim season, enjoying year-round sustainable pool.



Still Heating At -20°C

Enjoy 4-season swimming with M30. With an improved inverter control system, M30 will smartly adjust EVO reverse cycle defrosting to ensure maximized heat output, contributes biggest efficiency under harshest condition.





GWP ≈ 0

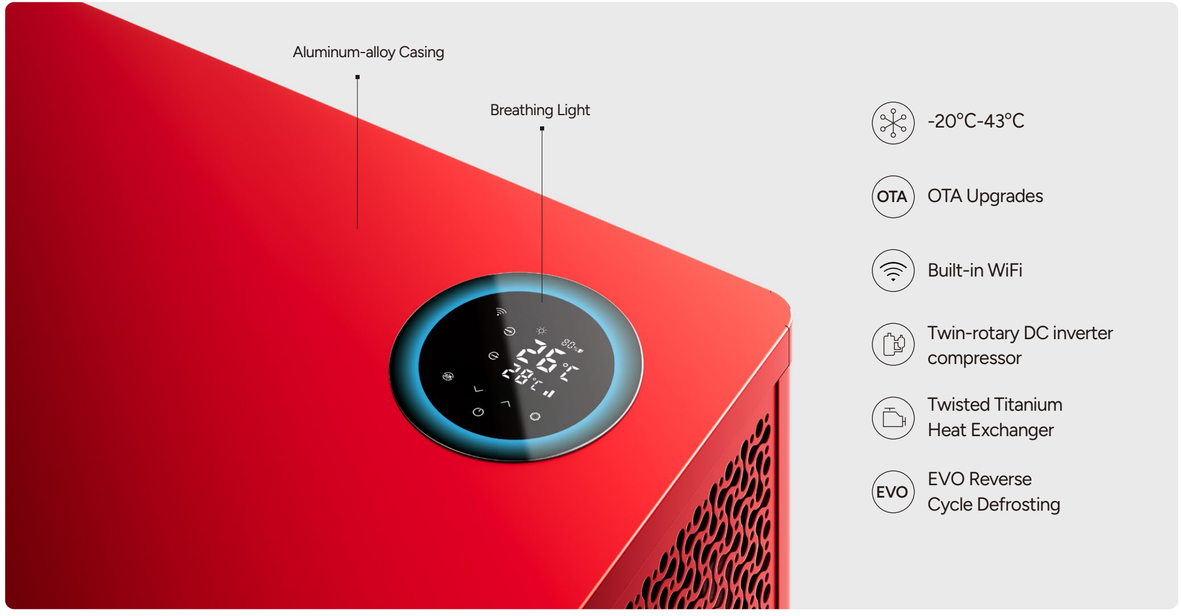
Inspired by Nature, Sustaining Nature

iGarden Pool Heat Pump M30 adopts nature-friendly R-290 refrigerant, leading to 99.99% less GWP. Its brand-new wood grain design and gentle-breathing Turbo light blend organically with garden landscapes. Experience elegance that maintains poolside serenity from internal to external.





Other Features



- -20°C-43°C
- OTA Upgrades
- Built-in WiFi
- Twin-rotary DC inverter compressor
- Twisted Titanium Heat Exchanger
- EVO Reverse Cycle Defrosting

R-290 Parameters of iGarden M30

Model		M30-RC110	M30-RC120	M30-RC150	M30-RC180	M30-RC210	M30-RC230	M30-RC290	M30-RC290s	M30-RC350	M30-RC350s	M30-RC430s
Operating air temperature (°C)		-20℃~43℃										
Advised pool volume (m3) *		20~35	25~45	30~55	35~65	40~75	45~80	60~90	60~90	66~110	66~110	75~120
Gas		R~290										
PERFORMANCE CONDITION: Air 27°C/ Water 27°C/ Humid. 80%												
Turbo Mode (130%)	Heating capacity (kW)	10.5	12.5	15	18.2	21	23.5	28.8	28.6	35.5	35.5	43
Perfect Mode	Heating capacity (kW)	8.3	9.8	12.2	14.3	16.3	18.7	22.2	22.0	26.6	26.6	33.1
	COP	21.6~8.4	30.2~8.9	22.5~8.5	22.1~8.6	22.0~8.8	25.2~8.6	22.4~8.7	21.6~8.3	21.7~8.5	21.5~8.6	21.4~8.5
	Average COP	15.5	16.2	15.6	15.8	15.7	15.8	15.5	15.4	15.6	15.7	15.5
PERFORMANCE CONDITION: Air 15°C/ Water 26°C/ Humid. 70%												
Turbo Mode (130%)	Heating capacity (kW)	7.3	8.7	10.5	12.6	14.7	16.3	20.0	19.8	23.8	23.8	30.3
Perfect Mode	Heating capacity (kW)	6.0	7.0	8.4	10.0	11.6	12.8	15.6	15.5	19.2	19.2	24.0
	COP	9.1~6.0	9.9~6.3	9.3~6.2	9.9~6.2	9.2~6.1	9.5~6.1	9.8~6.2	9.5~6.0	9.5~6.2	9.0~6.0	8.9~5.9
	Average COP	7.6	8.5	8.1	8.2	8.0	8.1	8.0	7.7	7.9	7.7	7.5
PERFORMANCE CONDITION: Air 35°C/ Water 28°C/ Humid. 80%												
Cooling capacity (kW)		5.0	5.8	7.0	8.1	9.6	10.5	13.0	13.0	15.5	15.6	20.2
TECHNICAL SPECIFICATIONS												
Air Direction		Side Discharge										
Casing		Aluminum-alloy Casing										
Power supply		230V~/1Ph/50Hz							400V 3N~, 50Hz	230V~/1Ph/50Hz	400V 3N~, 50Hz	
Rated input power (kW)		0.17~1.45	0.19~1.61	0.24~2.02	0.29~2.42	0.34~2.87	0.38~3.13	0.46~3.84	0.47~3.93	0.55~4.57	0.57~4.72	0.73~6.11
Input power at 50% speed (kW)		0.48	0.51	0.65	0.77	0.92	1.01	1.25	1.29	1.52	1.56	2.01
Rated input current (A)		0.74~6.30	0.83~7.00	1.04~8.78	1.26~10.52	1.48~12.48	1.61~13.61	2.00~16.70	0.68~5.70	2.39~19.87	0.83~6.84	1.06~8.86
Sound level at 1m dB(A) (20%~100%)		36.0~41.7	36.1~42.5	36.3~43.8	37.0~45.4	37.6~46.1	37.7~46.8	37.9~48.3	38.0~48.5	39.0~53.5	39.5~53.7	41.0~55.0
Sound level 50% at 1m dB(A)		36.4	36.6	38.4	40.1	40.5	41.0	41.3	41.5	43.5	43.8	45.0
Sound level at 10 m dB(A) (20%~100%)		16.0~21.7	16.1~22.5	16.3~23.8	17.0~25.4	17.6~26.1	17.7~26.8	17.9~28.3	18.0~28.5	19.0~33.5	19.5~33.7	21.0~35.0
Advised water flux (m^3/h)		2~4	2~4	3~4	4~6	5~7	6~9	8~10	8~10	10~12	10~12	12~18
Water connection (mm)		50mm/48.3mm										
Net dimension LxWxH (mm)		1044*499*655	1116*499*655	1116*499*655	1129*504*757	1189*504*757	1246*504*945	1246*504*945	1246*504*945	1405*513*1070	1405*513*1070	1446*513*1243
Net Weight (kg)		83	91	91	95	110	111	112	141	148	164	215
Maximum input current (A)		8	10	12.5	13.5	16	17	22.5	8.4	27	10	11.5
Breaker rated current (A)		10	12	15	16	19	20	27	10	30	12	14
Power cord (mm^2)		3×1.5	3×2.5	3×2.5	3×2.5	3×2.5	3×4	3×4	5×2.5	3×6	5×2.5	5×2.5
R290 Gas Weight (g)		750	800	950	1000	1150	1300	1500	1500	2200	2200	3000
R290 GWP		0.02										
CO2 Equivalent (Tonnes)		0.000015	0.000016	0.000019	0.00002	0.000023	0.000026	0.00003	0.000030	0.000044	0.000044	0.00006
Gross Weight (kg)		93	103	103	105	123	137	139	168	176	192	243
Packaging dimension LxWxH (mm)		1115*555*685	1190*555*685	1190*555*685	1195*560*785	1260*560*785	1315*560*975	1315*560*975	1315*560*975	1475*560*1105	1475*560*1105	1510*560*1280

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.

INVERPAD® TURBO

iGarden
Pool Heat Pump M20

Quiet Comfort. Reliable Efficiency.

20X
Silence

COP
up to 20

Air Operation
-15°C

iGarden
AI App
Supported

20X Silence

38.1 dB(A)

Powered by INVERPAD® TURBO Tech, M20 works at a very low speed when maintaining the temperature, reducing the noise level to around 38.1 dB(A) at 1 m, providing an escape from life's chaos. Enjoy lounge poolside, immersed in nature's real sounds.

COP up to 20

20X Saving, leading the trend

Based on INVERPAD® TURBO Tech, M20 has remarkable systematic optimization which boost COP up to 20. Perfectly matching of compressor, motor and EEV for higher efficiency, 1 unit electricity brings a maximum 20 units heat output in return, providing average 95% free energy from ambient air.



Other Features

- -15°C~43°C
- Built-in WiFi
- Aluminum-alloy casing
- Twin-rotary DC inverter compressor
- EVO reverse cycle defrosting



R-290 Parameters of iGarden M20

Model		M20-RC110	M20-RC140	M20-RC160	M20-RC200	M20-RC250	M20-RC280	M20-RC350	M20-RC350s
Operating air temperature (°C)		-15℃~43℃							
Advised pool volume (m3) *		20~35	30~45	30~55	40~65	50~80	55~85	65~110	65~110
Gas		R-290							
PERFORMANCE CONDITION: Air 27°C/ Water 27°C/ Humid. 80%									
Turbo Mode (130%)	Heating capacity (kW)	11.2	13.5	15.5	19.8	24.5	27.5	35.0	35.0
Perfect Mode	Heating capacity (kW)	8.6	10.4	12.4	15.0	19.1	20.8	26.9	26.9
	COP	17.1~7.5	17.3~7.3	17.2~7.5	20.2~7.6	17.6~7.5	17.6~7.4	17.0~7.4	16.8~7.3
	Average COP	12.1	11.9	12.0	14.6	13.1	13.0	13.1	12.6
PERFORMANCE CONDITION: Air 15°C/ Water 26°C/ Humid. 70%									
Turbo Mode (130%)	Heating capacity (kW)	7.5	9.2	10.9	13.5	16.9	19.0	23.8	23.8
Perfect Mode	Heating capacity (kW)	5.9	7.1	8.2	10.4	13.0	14.4	18.3	18.3
	COP	7.6~5.3	7.9~5.5	7.8~5.3	8.3~5.6	8.1~5.4	8.0~5.3	8.1~5.3	7.9~5.1
	Average COP	6.8	7.0	6.9	7.3	7.1	7.0	7.0	6.8
PERFORMANCE CONDITION: Air 35°C/ Water 28°C/ Humid. 80%									
Cooling capacity (kW)		4.5	5.4	6.4	8.2	10.0	11.2	14.3	14.3
TECHNICAL SPECIFICATIONS									
Air Direction		Side Discharge							
Casing		Aluminum-alloy Casing							
Power supply		230V~/1Ph/50Hz							400V 3N~, 50Hz
Rated input power (kW)		0.20~1.68	0.24~1.99	0.29~2.45	0.34~2.87	0.45~3.73	0.51~4.27	0.64~5.35	0.67~5.56
Input power at 50% speed (kW)		0.55	0.66	0.79	0.92	1.19	1.36	1.70	1.75
Rated input current (A)		0.87~7.30	1.04~8.65	1.26~10.65	1.48~12.48	1.96~16.22	2.22~18.57	2.78~23.26	0.97~8.06
Sound level at 1m dB(A) (20%-100%)		36.3~45.0	36.4~45.5	36.3~46.9	39.2~47.5	39.6~50.7	40.5~52.2	41.2~53.8	41.5~54.5
Sound level 50% at 1m dB(A)		38.1	38.2	40.1	42.0	42.8	43.6	45.0	45.5
Sound level at 10 m dB(A) (20%-100%)		16.3~25.0	16.4~25.5	16.3~26.9	19.2~27.5	19.6~30.7	20.5~32.2	21.3~33.8	21.5~34.5
Advised water flux (m^3/h)		2~4	2~4	3~4	4~6	6~9	8~10	10~12	10~12
Water connection (mm)		50mm/48.3mm							
Net dimension LxWxH (mm)		984*499*655	1044*499*655	1044*499*655	1129*504*757	1189*504*757	1189*504*842	1405*513*1070	1405*513*1070
Net Weight (kg)		77	83	83	95	110	115	153	160
Maximum input current (A)		7.5	10	12.5	14	17	22.5	27	10.2
Breaker rated current (A)		10	12	15	16	20	27	30	12
Power cord (mm^2)		3×1.5	3×2.5	3×2.5	3×2.5	3×4	3×4	3×6	5×2.5
R290 Gas Weight (g)		400	500	600	950	750	900	1350	1350
R290 GWP		0.02							
CO2 Equivalent (Tonnes)		0.000008	0.000010	0.000012	0.000019	0.000015	0.000018	0.000027	0.000027
Gross Weight (kg)		86	93	93	105	123	128	168	178

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.

INVERPAD®

iGarden Pool Heat Pump M10

Quiet Comfort. Reliable Efficiency.

- Unique Pad Design
- Comfort Silence
- COP up to 16



iGarden
AI App Supported

Comfort Silence

Experience true backyard tranquility with operating noise levels as low as 41 dB(A)—as quiet as a soft whisper. By optimizing internal airflow and eliminating mechanical hums, the INVERPAD® system ensures your relaxing poolside moments remain completely undisturbed.



Parameters of iGarden M10

Model		M10-RC080	M10-RC100	M10-RC140	M10-RC180	M10-RC210
Operating air temperature (°C)				-5℃~43℃		
Advised pool volume (m3) *		15~30	20~30	30~45	40~65	40~75
Gas				R-290		
PERFORMANCE CONDITION: Air 27°C/ Water 27°C/ Humid. 80%						
Turbo Mode (130%)	Heating capacity (kW)	7.7	9.8	13.7	18.2	21.2
Perfect Mode	Heating capacity (kW)	5.9	7.5	10.6	14.0	16.4
	COP	13.4~6.6	13.5~7.0	13.7~6.8	16.2~7.1	14.8~7.0
	Average COP	9.5	9.5	9.7	10.4	9.9
PERFORMANCE CONDITION: Air 15°C/ Water 26°C/ Humid. 70%						
Turbo Mode (130%)	Heating capacity (kW)	5.4	6.9	9.6	12.7	14.8
Perfect Mode	Heating capacity (kW)	4.2	5.4	7.5	9.8	11.5
	COP	7.2~4.8	7.3~4.9	7.5~4.8	7.6~5.1	7.5~4.8
	Average COP	6.2	6.4	6.4	6.7	6.5
PERFORMANCE CONDITION: Air 35°C/ Water 28°C/ Humid. 80%						
Cooling capacity (kW)		3.5	4.6	6.2	8.2	10.2
TECHNICAL SPECIFICATIONS						
Air Direction				Rear Discharge		
Compressor				Twin-rotary DC Compressor		
Casing				Aluminum-alloy Casing		
Heat exchanger				Twisted Titanium Heat Exchanger		
Power supply				230V~/1Ph/50Hz		
Rated input power (kW)		0.16~1.34	0.20~1.68	0.29~2.38	0.36~2.96	0.44~3.67
Input power at 50% Speed (kW)		0.44	0.54	0.75	0.95	1.14
Rated input current (A)		0.70~5.83	0.87~7.30	1.26~10.35	1.57~12.87	1.91~15.96
Sound level at 1m dB(A) (20%~100%)		38.2~47.8	38.8~48.0	40.5~50.8	41.6~53.2	42.5~54.0
Sound level by 50% speed 1m dB(A)		41.0	41.5	45.5	45.6	46.5
Sound level at 10m dB(A) (20%~100%)		18.2~27.8	18.8~28.0	20.5~30.8	21.6~33.2	22.5~34.0
Advised water flux (m^3/h)		2~4	2~4	4~6	6~8	7~10
Water connection (mm)				50/48.3mm		
Net dimension LxWxH (mm)		889*404*656	889*404*656	889*404*656	1059*404*756	1059*404*756
Net Weight (kg)		52	52	57	72	75
Maximum input current (A)		6.3	7.2	11	16	18
Breaker rated current (A)		10	12	15	20	20
Power cord (mm^2)		3×1.5	3×1.5	3×2.5	3×2.5	3×4
R290 Gas Weight (g)		250	350	450	500	650
R290 GWP				0.02		
CO2 Equivalent (Tonnes)		0.000005	0.000007	0.000009	0.000010	0.000013
Gross Weight (kg)		59	59	64	85	88
Packaging dimension LxWxH (mm)		955*450*690	955*450*690	955*450*690	1125*450*790	1125*450*790

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.



iGarden InverMax Pro Horizontal

Powerful Saving Commercial Inverter

Operate
down to -20°C

COP
up to 15

Silence Comfort
51 dB(A) at 1m

Other Features

- Aluminum-alloy Casing
- Built-in WiFi
- Turbo Mode
- EEV Technology 20% higher efficiency than capillary
- Twisted Titanium Heat Exchanger 40% higher efficiency



Parameters of iGarden InverMax Pro Horizontal

Model		IMPC60	IMPC120
Features			
Technology		Stepless DC inverter	
Operating air temperature (℃)		-20~43℃	
Gas		R-32	
Advised pool volume (m3) *		125~260	250~520
PERFORMANCE CONDITION: Air 27℃ / Water 27℃ / Humidity 80%			
Turbo Mode	Heating capacity (kW)	60.0	120.0
Perfect Mode	Heating capacity (kW)	48.5	96.0
	COP range	7.5~15.1	7.3~15
	Average COP at 50% Speed	12.0	11.6
PERFORMANCE CONDITION: Air 15℃ / Water 26℃ / Humidity 70%			
Turbo Mode	Heating capacity (kW)	42.0	85.5
Perfect Mode	Heating capacity (kW)	34.0	70.0
	COP range	5.6~8.1	5.5~8
	Average COP at 50% Speed	7.5	7.3
Components			
Air Direction		Front Discharge	
Operating air temperature (℃)		-20~43℃	
Compressor		Mitsubishi DC Inverter Compressor	
Heat exchanger		Twisted Titanium Heat Exchanger	
Fan direction		Horizontal	
Power supply		400V 3N~, 50Hz	
Sound			
Sound level at 1m dB(A)		51.0~59.0	53.0~62.0
Sound level 50% at 1m dB(A)		53	56
Sound level at 10m dB(A)		30.0~39.0	33.0~41.0
Others			
Rated input power (kW)		1.88~7.50	3.89~15.55
Rated input current (A)		2.72~10.87	5.64~22.54
Advised water flux (m^3/h)		20~25	40~50
Water connection (mm)		75	110

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.