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COP 7.0
R290 ATW Heat Pump

iGarden AI INVERTER

Powered by AI INVERTER, iGarden ATW HP manages refrigerant flow more accurately with a 5 to 10 times more precise control logic.

iGarden ATW HP system constantly monitors operating conditions and automatically chooses the best performance curve. This ensures the optimal balance of safety and energy efficiency in any environment.

- Stable Performance and Less Power Consumption
- Lower Leakage Risk and Safer
- Longer lifespan

AI Heat Pump

AI-driven App & IOT Platform

Voice control & Personalized scenes
Real-time monitoring & AI diagnosis

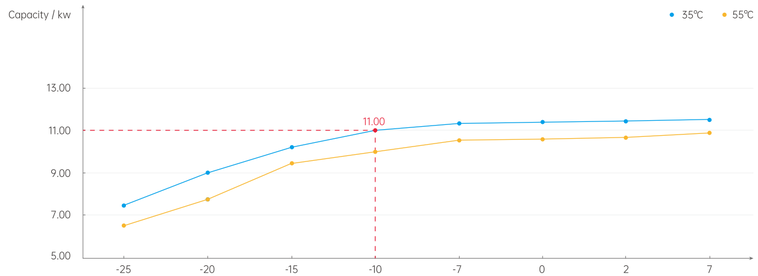
AI Inverter Optimization

By analyzing energy prices, weather data, and usage behavior, the heat pump dynamically adjusts output to optimize performance.

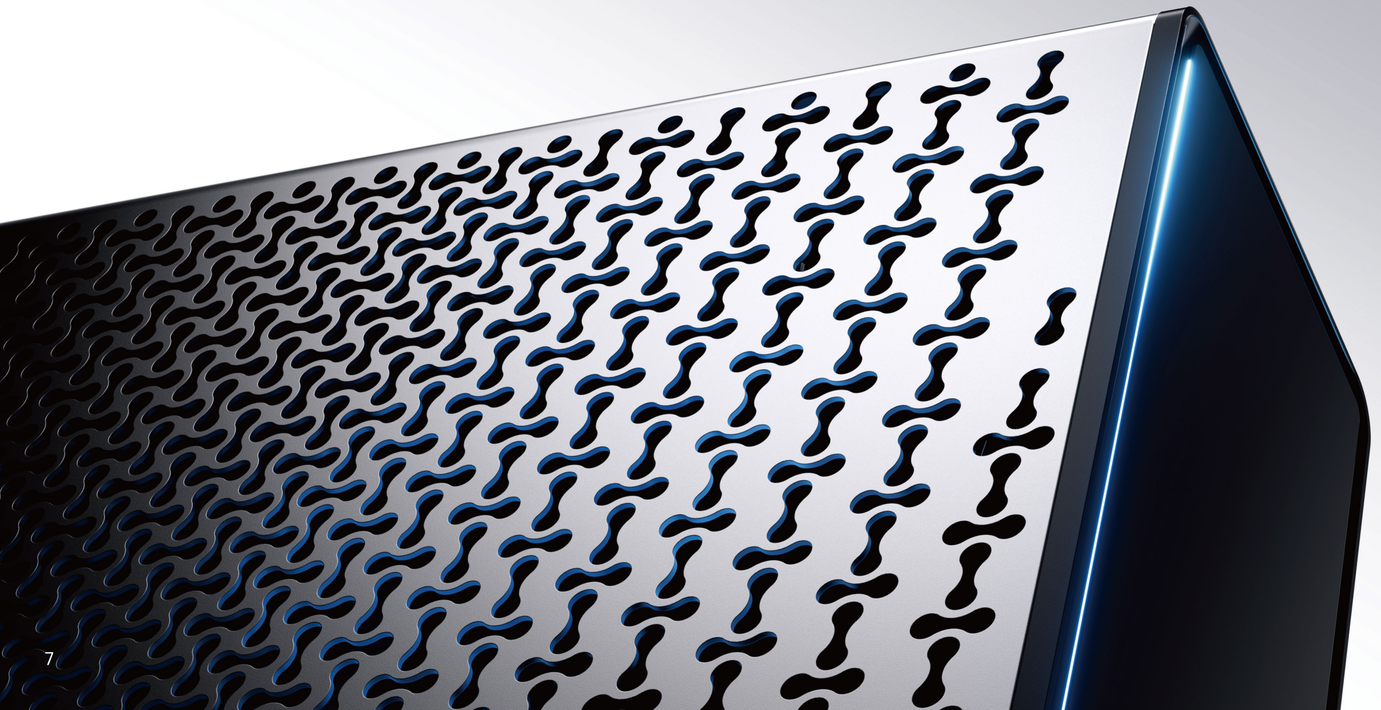

COP UP TO 7.0
Dual A+++ Ratings
1kW in = 7kW out.
iGarden COP7.0 heat pump is 40% more efficient than the market average, redefining a new industry standard.
SONY
Marshall
iGarden

100% Capacity at -10℃

Perform well in cold climates, iGarden heat pumps deliver stable output under extreme real conditions.



*Taking iGXC11 model as an example



Industry 1st ID design

Multi-Hole design

Stable performance in cold climates

Glass & LED lighting

High strength outdoor glass front panel
Integrated LED lighting

Aluminum-Alloy Casing

Anti-corrosion
Long-term durability

100% Free Power

iGarden self-developed ATW heat pump, along with solar energy systems, work as one, ensuring 100% compatibility and data sharing, using the sun's extra energy to keep your home warm all day long.

Leading 7-inch Controller

User-friendly color controller

13 Built-in Protections

iGarden ATW heat pumps are equipped with 13 smart safeguards including high-pressure, water flow, and winter anti-freeze protections — for year-round safety.

INVERX 7

Specifications-ATW heat pump | R290

Air to water heat pump	Model		iGXC08	iGXC11	iGXC13	iGXC16	iGXC11T	iGXC13T	iGXC16T
Power supply				220-240V~/50Hz			380-415V/3N~/50Hz		
A7°C/W35°C	Normal capacity	kW	8.00	11.00	13.00	16.00	11.00	13.00	16.00
	Heating capacity range	kW	2.11~10.04	3.75~13.45	4.05~15.10	6.41~20.64	3.77~13.46	4.05~15.15	6.41~20.64
	Power consumption range	kW	0.33~3.01	0.57~3.77	0.66~4.01	1.06~6.03	0.55~3.74	0.66~4.00	1.06~6.03
	COP range	W/W	4.13~7.00	4.11~7.00	4.09~6.57	4.05~6.45	4.13~6.95	4.09~6.58	4.05~6.45
A2°C/W35°C	Normal capacity	kW	7.50	10.50	12.50	15.60	10.50	12.50	15.60
	Heating capacity range	kW	2.05~10.01	3.45~13.30	3.55~14.50	5.55~18.33	3.44~13.21	3.55~14.55	5.55~18.33
	Power consumption range	kW	0.41~3.07	0.69~3.74	0.87~3.96	1.15~5.96	0.67~3.79	0.87~3.93	1.15~5.96
	COP range	W/W	2.33~4.75	2.26~4.67	2.50~4.56	2.45~4.51	2.25~4.66	2.50~4.59	2.45~4.51
A7°C/W55°C	Normal capacity	kW	7.60	10.60	12.70	15.80	10.50	12.70	15.80
	Heating capacity range	kW	2.27~10.22	3.32~13.06	3.92~14.56	5.32~20.12	3.33~13.08	3.92~14.60	5.32~20.12
	Power consumption range	kW	0.43~3.25	0.75~4.05	0.96~4.65	1.13~6.75	0.76~4.08	0.96~4.64	1.13~6.75
	COP range	W/W	2.25~4.15	2.15~4.03	2.04~4.01	2.06~4.00	2.15~4.02	2.04~4.04	2.06~4.00
A35°C/W18 °C	Normal capacity	kW	7.00	10.00	12.00	15.00	10.00	12.00	15.00
	Cooling capacity range	kW	1.89~9.15	2.74~12.55	3.63~13.76	4.93~17.65	2.73~12.50	3.63~13.79	4.93~17.65
	Power consumption range	kW	0.47~2.89	0.84~3.56	0.77~3.88	1.10~5.75	0.81~3.57	0.77~3.85	1.10~5.75
	EER range	W/W	2.21~4.33	2.10~4.21	2.01~4.16	2.05~4.20	2.08~4.20	2.01~4.20	2.05~4.20
Energy rating	Average climate, W35 °C	/				A+++			
	Average climate, W55 °C	/				A+++			
Electrical data	Rated current	A	10.6	17.7	19.0	24.3	8.4	9.1	11.1
	Max current	A	16.0	24.8	26.5	38	14.6	15.2	18.3
	Maximum power consumption	kW	4.2	5.8	6.2	9	5.9	6.5	9.5
Noise	Sound pressure level (1 m)	dB(A)	43	44	45	47	44	45	47
	Sound pressure level (3 m)	dB(A)	29	30	32	35	30	32	35
	Sound power level	dB(A)	56	57	58	61	57	58	61
Temperature & Flow	Maximum temperature	°C				75			
	Environment requirement	°C				-25 ~ 43			
	Hot water flow rate	m³/h	1.50	1.80	2.20	3.00	1.80	2.20	3.00
	Water pipe in-out spec	Inch	G1"	G1"	G1"	G1 1/4"	G1"	G1"	G1 1/4"
Refrigerant circuit	Refrigerant	/				R290			
	GWP	/				3			
	Compressor	/				Twin rotary			

*The above data is for reference only, specific data is subject to the product nameplate.

After-Sales Service Technical Support

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