

iGarden

iGarden R290 ATW Heat Pump



Up to COP 7.0



100% Capacity
at -10°C



Industry 1st
ID design



Specifications-ATW heat pump |

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
Noise	Maximum power consumption	kW	4.2	5.8	6.2	9	5.9	6.5	9.5
	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
Temperature & Flow	Sound power level	dB(A)	56	57	58	61	57	58	61
	Maximum temperature	°C					75		
	Environment requirement	°C					-25 ~ 43		
Refrigerant circuit	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	/					R290		
	GWP	/					3		
	Compressor	/					Twin rotary		

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

