Technical Data		Units	CBHA-OG1V03-8	CBHA-OG1V03-12	CBHA-OG4V03-15
Energy efficiency rating space heating low temperature		A+++→D	A+++	A+++	A+++
Energy efficiency rating space heating average temperature		A+++→D	A++	A++	A++
Length×width×height	Outdoor unit	mm	1215×370×875	1215×370×975	1085×390×1475
	Indoor unit	mm	650×550×265		
Weight	Outdoor unit	kg	104	115	151
	Indoor unit	kg	36	36	36
Sound power level at nominal heat output (ErP)		dB(A)	54	56	56
Refrigeration circuit					
Refrigerant type / GWP		-/-	R290 / 3	R290 / 3	R290 / 3
Filling quantity		kg	0.7	0.9	1.5
Refrigerating machine oil			HAF-68D1C		
Filling quantity refrigerating machine oil		ml	840	840	840
Compressor - type / quantity			Twin Rotary /1		
Heating capacity / COP					
Max. Heating capacity A-10/W35		kW/-	5.49/2.87	7.28/2.61	10.16/2.71
Max. Heating capacity A-7/W35		kW/-	6.32/3.23	7.92/2.76	11.32/2.97
Max. Heating capacity A-2/W35		kW/-	8.26/4.02	10.6/3.73	14.4/3.19
Max. Heating capacity A7/W35		kW/-	9.52/4.67	12.0/3.93	16.6/3.98
Max. Heating capacity A-10/W55		kW/-	5.09/2.10	6.51/1.99	9.15/2.04
Max. Heating capacity A-7/W55		kW/-	5.73/2.30	7.27/2.02	9.89/2.07
Max. Heating capacity A-2/W55		kW/-	7.38/2.75	9.69/2.36	12.98/2.47
Max. Heating capacity A7/W55		kW/-	8.50/3.08	10.99/2.56	14.87/2.73
Power range	A-7/W35	kW	2.83~6.32	4.15~7.92	5.15~11.32
	A2/W35	kW	3.73~8.26	5.67~10.55	6.74~14.39
	A7/W35	kW	4.54~9.52	7.09~12.03	8.14~16.64
	A-7/W55	kW	2.11~5.73	3.31~7.27	4.86~9.89
	A2/W55	kW	2.83~7.38	4.92~9.69	5.88~12.98
	A7/W55	kW	3.29~8.50	5.72~10.99	7.17~14.87
Cooling capacity / EER					
Max. Cooling capacity A35/W18		kW/-	7.83/3.77	10.10/3.40	12.45/3.36
Max. Cooling capacity A35/W7		kW/-	5.61/2.81	7.19/2.60	10.10/2.84
Power range for A35/W18		kW	3.12~7.83	4.49~10.10	6.95~12.45
Power range for A35/W7		kW	2.26~5.61	2.84~7.19	4.90~10.10
Temperature Limits					
Temperature Setting Limits	Heating mode	°C	20~70		
	Cooling mode	°C	7~18		
Maximum heating water temperature using electric heating element		°C	75		
Ambient temperature operating limit	Heating mode	°C	-25~45		
	Cooling mode	°C	7~45		
Heated water					
Flow rate. Min/rated/max		L/min	15.6/23.4/27.6	20.4/34.2/40.8	30/43.2/51.6
Max working pressure		bar	2.5	2.5	2.5
Connection					
Interface Size	Outdoor unit	G	G1"	G1"	G1-1/4"
	Indoor unit	G	G1"	G1"	G1"
Electrical					
Power supply	Outdoor unit		1~N/PE/230V/50Hz		3~N/PE/400V/50Hz
	Indoor unit		1~N/PE/230V/50Hz		
Auxiliary electric heating power		kW	6	6	6
Auxiliary electric heating power supply			3~N/PE/400V/50Hz		

Note:
The specifications are subject to change without prior notice. For actual specifications of unit, please refer to the stickers on the unit.

Ciarra R290 Heat Pump

The Magic of Efficient and SusGreenable Heating

Scan to get our brochure

Scan to visit our website

Scan to follow us on social media

Contact us: info@ecochi.de

Learn how Ciarra's heat pump can enrich your life at www.ecochi.de

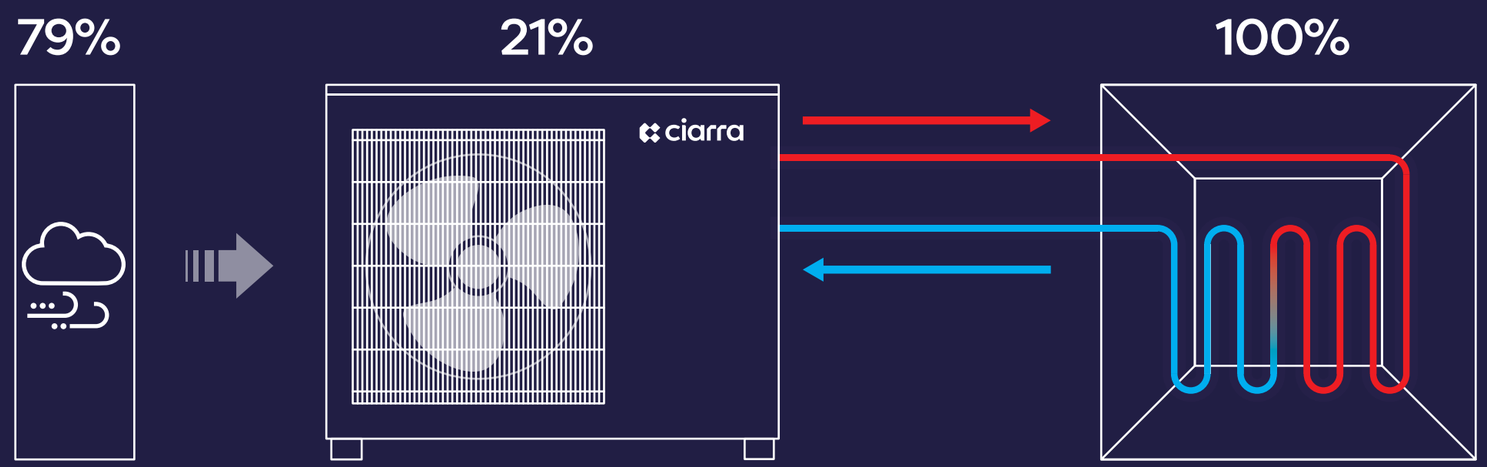
How it works

up to 79%

Free energy from ambient environment, save up to 79% electric cost.

Air source heat pumps are easy to install and cost-effective. They extract heat from the ambient air and can provide both heating and cooling. They are suitable for moderate climates and have a wide range of applications, from residential buildings to commercial spaces.

Suitable Applications: Air source heat pumps are commonly used in residential homes, apartments, and small commercial buildings. They are particularly effective in areas with moderate temperature variations.



*Data from the SCOP values in the Heating mode (Low temperature application) test section of the CBHA-OG1V03-12 ErP report

The Ciarra R290 air to water heat pump uses a refrigerant cycle to extract heat from the outdoor air and transfer it to the water, which is then circulated throughout the house via pipes and radiators, providing hot water for heating and domestic use.

- 0-10V signal Motorized Mixing Valve
- Shower Water
- Manual Mixing Valve
- Ball Valve
- Circulation Pump
- Filter
- Expansion Tank
- Radiator