



Greenenergy Series

Commercial R290 DC Inverter Air Source Heat Pumps



High Energy Efficiency



Max. Outlet Water Temperature



Stable Running Ambient



Reduced Noise



Intelligent Defrosting



IoT Cloud Platform

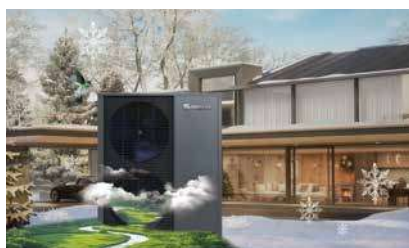


Customised Commercial Heat Pump Solutions



High Efficiency

Adopting GWP 3 R290 high-efficiency refrigerant, heating capacity 25-50kW, max COP 5.0, support cascade function. It can meet the commercial including hotels, resorts, villas, office buildings and other commercial projects to provide stable and efficient heating/cooling/hot water.



Smart Defrost

Intelligent control system can judge whether to enter the defrost according to the ambient temperature and combine the information returned from multiple temperature sensing probes, and automatically adjust the defrost cycle to enhance the heat production.



Smart DC Inverter Technology

The motor and compressor are adjusted according to the end load as well as the evaporating pressure to achieve efficient heating/cooling and effective savings on electricity bills.

Remote Control

It supports real-time control from mobile phones and computers, and monitors system data to help users achieve effective energy consumption control.



Specifications

Model		CGK-080V4-B	CGK-100V4-B	CGK-151V4-B
Power Supply	V/Hz/Ph	380-420/50/3		
Heating condition: water inlet/outlet temperature: 30°C /35°C , Ambient temperature: DB 7°C /WB 6°C ;				
Max. Heating Capacity	kW	25	30	50
C.O.P	W/W	3.95	3.85	3.80
Heating Capacity Min./Max.	kW	8.15 /25.00	10.05 /30.00	14.90 /50.00
Heating Power Input Min./Max.	W	1630 /6329	2072 /7792	2992 /13158
C.O.P Min./Max.	W/W	3.95/5.00	3.85/4.85	3.8/4.98
Heating condition: water inlet/outlet temperature: 40°C /45°C , Ambient temperature: DB 7°C /WB 6°C ;				
Max. Heating Capacity	kW	24.11	28.05	47.24
C.O.P	W/W	3.42	3.36	3.35
Heating Capacity Min./Max.	kW	7.42 /24.11	9.05 /28.05	14.23 /47.24
Heating power input Min./Max.	W	1878 /7050	2363 /8348	3621 /14101
C.O.P Min./Max.	W/W	3.42 /3.95	3.36 /3.83	3.35 /3.93
Cooling condition: water inlet/outlet temperature: 23°C /18°C , Ambient temperature: DB35°C /WB24°C ;				
Max. Cooling Capacity	kW	20.10	23.90	38.50
E.E.R	W/W	3.23	3.28	3.26
Cooling Capacity Min./Max.	kW	8.14 /20.10	9.29 /23.90	12.36 /38.50
Cooling Power Input Min./Max.	W	2171 /6223	2497 /7287	3314 /11810
E.E.R Min./Max.	W/W	3.23 /3.75	3.28 /3.72	3.26 /3.73
Cooling condition: water inlet/outlet temperature: 12°C /7°C , Ambient temperature: DB35°C /WB24°C ;				
Max. Cooling Capacity	kW	17.00	19.20	31.40
E.E.R	W/W	2.56	2.64	2.64
Cooling Capacity Min./Max.	kW	7.20 /17.00	8.20 /19.20	10.18 /31.40
Cooling Power Input Min./Max.	W	2087 /6641	2391 /7273	2925 /11894
E.E.R Min./Max.	W/W	2.56 /3.45	2.64 /3.43	2.64 /3.48
Max Power Input	kW	11.00	13.50	20.50
Max Current	A	16.70	20.50	31.40
Wire diameter	mm²	6.0	6.0	10.0
Fuse or circuitbreakerer	A	25A	32A	40A
"Compressor Type - Quantity/System"	Brand	HIGHLY	HITACHI	HITACHI
Refrigerant Suggested Input	Kg	1.8	2.1	4.5
Type	/		DC	
Quantity	/	2	2	1
Fan	Airflow	m3/h	11000	11500
	Rated Fan Speed	RPM	900	950
	Rated power	W	250	1700
Type	/		Plate Heat Exchanger	
Water Side	Water Pressure Drop	kPa	30	40
Heat Exchanger	Piping Connection	Inch	G1.2"	G1.5"
Noise Level (Power Pressure)	dB(A)	61	64	68
Moisture Resistance	/		IPX4	
Refrigerant	--		R290	
ErP Level(35° C)	--		A+++	
ErP Level(55° C)	--		A++	
Net Weight	kg	220	250	356
Net Dimension(L × D × H)	mm	1249*509*1558	1249*509*1558	1187*1087*1680
Splint packing Dimension(L × D × H)	mm	1340*575*1715	1340*575*1715	1242*1107*1830

* The information in this document is just for reference. Since the continuous improvement and control in the production process, the information contained in this document may be subject to change. Please refer to the nameplate on the machine for model specifications.