SPRSUN AIR-TO-WATER HEAT PUMPS

CGKS RANGE

Model		CGKS 3.5	CGKS 5.5	CGKS 7	CGKS 9
Image					
Features		Mitsubishi or Panasonic compressor Forced defrosting function Automatic multiple protection and breakdown High efficiency shell and tube water heat exchanger			
Heating Capacity (kW)	A7/W35	**3.13**	**4.53**	**6.26**	**7.58**
Input Power (kW)		0.73	1.06	1.47	1.78
C.O.P (kW/kW)		4.27	4.27	4.27	4.27
Heating Capacity (kW)	A20/W55	**3.80**	**5.50**	**7.60**	**9.20**
Input Power (kW)		0.92	1.33	1.84	2.23
C.O.P (kW/kW)		4.13	4.13	4.13	4.13
Cooling Capacity (kW)	A35/W7	**2.50**	**3.30**	**4.90**	**6.00**
Input Power (kW)		0.92	1.21	1.82	2.20
E.E.R (kW/kW)		2.68	2.72	2.72	2.72
Capacitor (uf)		25	30	50	60
Rated Current (A)		4.6	6.7	9.3	11.3
Max Current (A)		6.2	9.1	12.5	15.2
Power Supply (V/Hz/Ph)		220-240/50/1			
Compressor		Mitsubishi Rotary			Panasonic Rotary
Refrigerant		R410A			
Circulation Pumps		Bronze Body, Built-in			
Heat Exchanger		Tube in shell			
Casing		Powder Coating			
Water Pressure Drop (kPa)		15	18	25	27
Piping Connection (mm)		20	20	20	20
Water Flow (L/h)		726	1051	1452	1758
Noise Level (dB)		42	42	45	45
Net Dimension (mm)(L×D×H)		970*300*550	970*300*550	1006*350*618	1006*350*618
Packing Dimension (mm)(L×D×H)		1040*330*580	1040*330*580	1070*380*650	1070*380*650
Net Weight (Kg)		40	46	55	62
Gross Weight (Kg)		45	52	57	65

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Condenser (copper)	Tube in shell heat exchanger		Evaporator	Hydropilic Aluminium foil and internal thread copper pipe heat exchanger	
Compressor	MITSUBISHI or Panasonic compressor		Expansion valve	Danfoss Electronic Expansion Valve	
4-way valve	SANHUA		Controller	SPRSUN multiple function controller	
High pressure switch	3.0/3.4MPa		Low pressure switch	0.05/0.15MPa	

Performance																
Model	CGKS-3.5 (220V)				CGKS-5.5 (220V)				CGKS-7(380V)				CGKS-9 (220V)			
Air temp ℃	Outl water temperature ℃				Outl water temperature ℃				Outl water temperature ℃				Outl water temperature ℃			
	W 35	W45	W55	W60	W 35	W45	W55	W60	W 35	W45	W55	W60	W 35	W45	W55	W60
A -7	1.80	1.75	1.66	1.54	2.61	2.53	2.40	2.24	3.60	3.50	3.32	3.09	4.36	4.23	4.02	3.74
A 0	2.57	2.50	2.37	2.21	3.72	3.62	3.43	3.19	5.15	5.00	4.75	4.41	6.23	6.05	5.75	5.34
A 2	2.77	2.69	2.55	2.37	4.00	3.89	3.69	3.43	5.53	5.37	5.10	4.75	6.70	6.50	6.18	5.75
A 5	2.97	2.89	2.74	2.55	4.31	4.18	3.97	3.69	5.95	5.78	5.49	5.10	7.20	6.99	6.64	6.18
A 7	3.13	3.04	2.89	2.69	4.53	4.40	4.18	3.89	6.26	6.08	5.78	5.37	7.58	7.36	6.99	6.50
A 12	3.52	3.42	3.25	3.02	5.10	4.95	4.70	4.37	7.05	6.84	6.50	6.04	8.53	8.28	7.87	7.32
A 20	3.91	3.80	3.61	3.36	5.67	5.50	5.23	4.86	7.83	7.60	7.22	6.71	9.48	9.20	8.74	8.13

COP				
Air temp ℃	Outl water temperature ℃			
	W 35	W45	W55	W60
A -7	3.07	2.46	2.16	1.80
A 0	3.85	2.90	2.55	2.12
A 2	4.07	3.08	2.71	2.25
A 5	4.26	3.28	2.89	2.39
A 7	4.27	3.42	3.01	2.49
A 12	4.74	3.79	3.34	2.77
A 20	5.13	4.17	3.67	3.05