

RESIDENTIAL AND COMMERCIAL R32

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FLOOR/CEILING

HSFU 530 ZAL - HSF1 710-1080-1400-1600 ZA1



Remote control included as standard

	SEER	SCOP
5.28 kW	6.1/A++	4.0/A+
7.03 kW	6.1/A++	4.0/A+
8.79 kW	7.0/A++	3.8/A
11.70 kW	7.0/A++	3.8/A
10.55 kW	6.1/A++	4.0/A+
14.07 kW	6.1/A++	4.0/A+
15.83 kW	6.1/A++	4.0/A+

-15~50° C | -15~24° C
Operating range in cooling and heating

Excellent installation flexibility



Indoor unit model	HSFU 530 ZAL	HSF1 710 ZA1	HSF1 1080 ZA1	HSF1 1400 ZA1	HSF1 1080 ZA1	HSF1 1400 ZA1	HSF1 1600 ZA1		
Outdoor unit model	HCKI 530 ZA	HCKI 710 ZA	HCKI 880 ZA	HCKI 1200 ZA	HCSI 1080 ZA	HCSI 1400 ZA	HCSI 1600 ZA		
FULL DC-Inverter heat pump									
Remote control									
Control (included)									
Rated capacity (T=+35°C)	kW	5.28 (2.71~5.57)	7.03 (3.22~8.29)	8.79 (4.04~10.02)	11.70 (4.96~13.11)	10.55 (3.93~12.02)	14.07 (4.96~15.11)	15.83 (5.28~17.00)	
Rated absorbed power (T=+35°C)	kW	1.63 (0.67~1.85)	2.19 (0.48~2.93)	2.65 (0.89~4.00)	3.73 (1.16~4.72)	3.75 (0.87~4.50)	5.50 (1.16~6.00)	6.06 (1.23~6.50)	
Rated energy efficiency coefficient	EER ³	3.24	3.21	3.32	3.14	2.81	2.67	2.61	
Seasonal energy efficiency class	626/2011 ¹	A++	A++	A++	A++	A++	A++	A++	
Seasonal energy efficiency index	SEER ²	6.1	6.1	7.0	7.0	6.1	6.1	6.1	
Annual energy consumption	kWh/a	304	402	440	590	602	803	916	
Theoretical load (Pdesignc)	kW	5.3	7.0	8.8	11.8	10.5	14.0	15.9	
Rated capacity (T=+7°C)	kW	5.57 (2.42~6.30)	7.62 (2.72~8.65)	9.82 (2.94~11.48)	12.90 (3.81~14.96)	11.14 (2.81~13.95)	16.12 (3.81~18.07)	18.17 (4.4~19.64)	
Rated absorbed power (T=+7°C)	kW	1.50 (0.54~1.64)	2.05 (0.50~2.85)	2.37 (0.72~4.05)	3.82 (1.03~4.20)	3.00 (0.73~4.89)	5.05 (1.03~6.20)	6.04 (1.02~6.55)	
Rated energy performance coefficient	COP ³	3.71	3.72	4.14	3.38	3.71	3.19	3.01	
Energy efficiency class (average season)	626/2011 ¹	A+	A+	A	A	A+	A+	A+	
Seasonal energy efficiency class index (average season)	SCOP ²	4.0	4.0	3.8	3.8	4.0	4.0	4.0	
Annual energy consumption	kWh/a	1435	1890	2689	3398	3150	4025	4165	
Theoretical load (Pdesignh) @-10° C	kW	4.1	5.4	7.3	9.3	9.0	11.5	11.9	
Operating limits (outside temperature)	Cooling	°C	-15~50	-15~50	-15~50	-15~50	-15~50	-15~50	
	Heating	°C	-15~24	-15~24	-15~24	-15~24	-15~24	-15~24	
Electrical data									
Power supply	Outdoor unit	Ph-V-Hz	1-220~240V-50HZ				3-380~415V-50HZ		
Power cable	Type		3 x 4 mm ²	3 x 4 mm ²	3 x 4 mm ²	3 x 6 mm ²	5 x 2.5 mm ²	5 x 2.5 mm ²	5 x 4 mm ²
Connection wires between I.U. and O.U.	no.		4				5 (2 of which shielded)		
Rated absorbed current (min~max)	Cooling	A	7.20 (3.20~8.20)	10.00 (2.10~13.10)	11.80 (3.90~17.40)	16.30 (5.60~20.50)	5.80 (1.20~8.20)	9.10 (1.80~9.80)	10.50 (1.90~11.30)
	Heating	A	6.60 (2.70~7.30)	9.50 (2.20~12.70)	10.60 (3.20~17.40)	16.70 (5.60~18.30)	4.80 (1.20~8.30)	8.10 (1.60~10.30)	9.90 (1.60~11.50)
Maximum current	A		13.5	13.5	16.5	22.5	10	11.2	14
Maximum absorbed power	kW		2.95	2.95	3.60	4.80	5.60	6.20	7.50
Refrigerant circuit									
Refrigerant (GWP) ⁴	R32 (675)								
Quantity refrigerant pre-load	Kg		1.15	1.5	2	2.8	2.4	2.8	2.95
Tons of CO2 equivalent	t		0.76	1.013	1.350	1.890	1.620	1.890	1.991
Diameter of refrigerant piping on liquid/gas	mm (inches)		ø6.35(1/4") - ø12.74(1/2")			ø9.52(3/8") - ø15.88(5/8")			
Max. splitting length	m		30	50	50	50	65	65	65
Max height difference I.U./O.U.	m		20	25	25	30	30	30	30
Splitting length without additional load	m		5	5	5	5	5	5	5
Additional load	g/m		12	24	24	24	24	24	24
Indoor unit specifications									
Dimensions	LxDxH	mm	1068x675x235	1068x675x235	1650x675x235	1650x675x235	1650x675x235	1650x675x235	1650x675x235
Net weight	Kg		26.8	28	39	41.2	39	41.2	41.4
Sound pressure level (I.U.)	Hi/Mi/Lo	dB(A)	41.5/38.5/34.5	50/46/41	51/47/42	54/50/46	51/47/42	54/50/46	54/47/42
Sound power level (I.U.)	Hi	dB(A)	58	61	62	67	59	66	69
Treated air volume	Hi/Mi/Lo	m ³ /h	880/760/650	1208/1066/853	2160/1844/1431	2329/1930/1417	2160/1844/1431	2329/1930/1417	2454/1834/1426
Motor power (Output)	no. x W		1 x 96	1 x 100	2 x 96	2 x 96	2 x 96	2 x 96	2 x 90
Outside diameter of condensate drain	mm		ø25	ø25	ø25	ø25	ø25	ø25	ø25
Specifications of outdoor units									
Dimensions	LxDxH	mm	800x333x554	845x363x702	946x410x810	946x410x810	946x410x810	952x415x1333	952x415x1333
Net weight	Kg		33.7	66.8	56.9	73.9	81.5	106.7	111.3
Sound pressure level (O.U.)	dB(A)		55	62	60.5	67	64	66	66
Sound power level (O.U.)	dB(A)		63	65	69	74	68	72	74
Treated air (Max)	m ³ /h		2000	2700	3600	3800	4000	7500	7500
Motor power (Output)	no. x W		1 x 57	1 x 115	1 x 150	1 x 150	1 x 150	2 x 126	2 x 126
Optional parts									
Wired remote control								YES	
Manual centralized control								YES	
Wi-Fi centralized control								HKM-WIFI LCAC	

1 EU Delegated Regulation No.626/2011 on the new labelling indicating the energy consumption of air conditioners. 2 EU Regulation No.206/2012 - Value measured according to harmonised standard EN14825. 3 Value measured according to harmonised standard EN14511. 4 Refrigerant leakage contributes to climate change. When released into the atmosphere, refrigerants with a lower global warming potential (GWP) contribute less to global warming than those with a higher GWP. This appliance contains a refrigerant with a GWP of 675. If 1 kg of this refrigerant fluid were released into the atmosphere, therefore, the impact on global warming would be 675 times higher than 1 kg of CO2, over a period of 100 years. Under no circumstances should the user try to intervene on the refrigerant circuit or disassemble the product. Always contact qualified personnel if necessary.