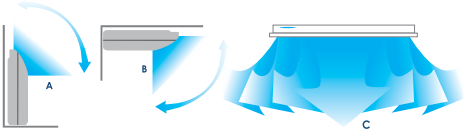
RESIDENTIAL AND COMMERCIAL R410A

FLOOR/CEILING

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

NEW

Infrared remote control



Installation flexibility: possibility of installation even in the corners of the ceiling, in the event that it is not possible to install the unit in the centre of the room due to the presence of any obstacles.

Main features

5 power sizes: single phase 5.28 ~ 7.03 kW; three-phase 10.55 ~ 15.82 kW.

Seasonal energy efficiency class in cooling/heating mode: A++/A+.

SEER/SCOP values up to 6.1/4.0.

Operating range in cooling and heating: -15~50° C; -15~24° C.

Terminal for remote on-off control and output for alarm signal in case of malfunction.

Turbo function, for heating and cooling the room quickly.

Indoor unit model			HSFU 530 ZAL	HSFI 710 ZA1	HSFI 1080 ZA1	HSFI 1400 ZA1	HSFI 1600 ZA1
Outdoor unit model			HCKI 531 XA-1	HCKI 711 XA-1	HCSI 1081 XA-1	HCSI 1401 XA-1	HCSI 1601 XA-1
Type			FULL DC-Inverter heat pump				
Control			Remote control				
Rated capacity (T=+35°C)		kW	5.28 (2.86~5.61)	7.03 (1.20~8.21)	10.55 (2.93~12.02)	14.07 (4.10~16.41)	15.82 (4.98~18.11)
Rated absorbed power (T=+35°C)		kW	1.63 (0.61~1.80)	2.29 (0.40~3.16)	4.06 (0.98~4.62)	5.19 (1.37~6.31)	6.06 (1.66-6.97)
Rated energy efficiency coefficient		EER[3]	3.24	3.07	2.60	2.71	2.61
Seasonal energy efficiency class	Cooling	626/2011[1]	A++	A++	A++	A++	A++
Seasonal energy efficiency index		SEER[2]	6.1	6.1	6.1	6.1	6.1
Annual energy consumption		kWh/a	304	402	602	803	918
Theoretical load (Pdesignc)		kW	5.3	7.0	10.5	14.0	16.0
Rated capacity (T=+7°C)		kW	5.57 (2.40~5.83)	7.62 (1.20~8.65)	11.13 (2.64~13.19)	16.12 (4.40~18.46)	18.17 (5.28~20.51)
Rated absorbed power (T=+7°C)		kW	1.50 (0.51~1.53)	2.05 (0.40~3.09)	2.99 (0.88~4.69)	4.73 (1.47~6.59)	5.65 (1.76~7.32)
Rated energy performance coefficient		COP[3]	3.71	3.72	3.72	3.41	3.22
Energy efficiency class (intermediate climate season)	Heating	626/2011[1]	A+	A+	A+	A+	A+
Seasonal energy efficiency index (intermediate climate season)		SCOP[2]	4.0	4.0	4.0	4.0	4.0
Annual energy consumption		kWh/a	1540	1855	3605	4130	4200
Theoretical load (Pdesignh)		kW	4.4	5.3	10.3	11.8	12.0
Operating limits (external temperature)	Cooling	°C	-15~50	-15~50	-15~50	-15~50	-15~50
	Heating	°C	-15~24	-15~24	-15~24	-15~24	-15~24
Electrical data							
Power	Outdoor unit	Ph-V-Hz	1-220~240V-50HZ		3-380~415V-50HZ		
Power cable		Type	3 x 4 mm²	3 x 4 mm²	5 x 2.5 mm²	5 x 2.5 mm²	5 x 4 mm²
Absorbed current (rated)	Cooling	A	7.3 (2.8~7.9)	10.4 (1.8~14.4)	7.0 (1.7~8.0)	9.0 (2.4~10.9)	10.5 (2.9~12.0)
	Heating	A	6.6 (2.4~6.8)	8.9 (1.8~14.1)	5.2 (1.5~8.1)	8.2 (2.5~11.4)	9.7 (3.0~12.6)
Maximum current		A	13.5	14.4	10	13	14
Maximum absorbed power		kW	2.95	3.16	5.30	6.59	7.50
Connection wires between I.U. and O.U.		no.	4	5 (2 of which shielded)			
Refrigerant circuit							
Refrigerant (GWP)[4]			R410A (2088)				
Quantity refrigerant pre-load		Kg	1.35	1.95	3.2	4.00	4.3
Tons of CO2 equivalent		t	2.819	4.072	6.682	8.352	8.978
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	65	65	65
Max height difference I.U./O.U.		m	20	25	30	30	30
Splitting length without additional load		m	5	5	5	5	5
Additional load		g/m	15	30	30	30	30
Indoor unit specifications							
Dimensions	LxDxH	mm	1068x675x235	1068x675x235	1650x675x235	1650x675x235	1650x675x235
	Net weight	Kg	28	26.8	39	41.2	41.4
Sound pressure level (I.U.)	Hi/Mi/Lo	dB(A)	42/38.5/34.5	50/46/41	51/47/42	54/50/46	54/47/42
Sound power level (I.U.)	Hi	dB(A)	55	63	63	67	71
Handled air volume	Hi/Mi/Lo	m³/h	880/760/650	1208/1066/853	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 90
Outside diameter of condensate drain		mm	ø25	ø25	ø25	ø25	ø25
Specifications of outdoor units							
Dimensions	LxDxH	mm	800x333x554	845x363x702	946x410x810	952x410x1333	952x410x1333
	Net weight	Kg	34.5	49	78.9	108.1	112.8
Sound pressure level (O.U.)		dB(A)	55.5	60.5	62	65	62.5
Sound power level (O.U.)		dB(A)	64	65	69	73	75
Handled air (Max)		m³/h	2000	2700	4300	6800	7200
Motor power (Output)		no. x W	1 x 34	1 x 115	1 x 150	2 x 126	2 x 126
Optional parts							
Wired remote control			YES				
Manual centralized control			YES				
Wi-Fi centralized control			XRV Mobile BMS				

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 cooling fluid with a 2088 GWP. If 1 kg of this refrigerant was released into the atmosphere, then the impact on global warming would be 2088 times higher than 1 kg of CO2, for a period of 100 years. In no case should the user try to intervene on the refrigerant circuit or to disassemble the product. If necessary, always contact qualified personnel.