

RESIDENTIAL AND COMMERCIAL R32

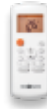
DUCTED WITH MEDIUM HEAD



HUCU 350-530 ZAL



Infrared remote control



Main features

- 2 available power levels: 3.51-5.28 kW.
- Seasonal energy efficiency class in cooling/heating mode: A++/A+.
- Operating range in cooling and heating: -15~50° C; -15~24° C.
- Compact dimensions: only 200 mm in height (3.51 kW).
- Automatic adjustment of the head of the fan at constant flow rate.
- Flexi air inlet, from the bottom or from the back.
- Condensate drain pump with possibility of raising the discharge up to 750 mm from the lower part of the unit.
- Possibility of access to tax deductions and to the thermal account.



Indoor unit model			HUCU 350 ZAL	HUCU 530 ZAL
Outdoor unit model			HCKI 350 ZA	HCKI 530 ZA
Type			FULL DC-Inverter heat pump	
Control			Remote control	
Rated capacity (T=+35°C)	Cooling	kW	3.51 (1.49~4.75)	5.28 (2.55~5.69)
Rated absorbed power (T=+35°C)		kW	0.95 (0.35~1.62)	1.63 (0.71~1.90)
Rated energy efficiency coefficient		EER ³	3.69	3.24
Seasonal energy efficiency class		626/2011 ¹	A++	A++
Seasonal energy efficiency index		SEER ²	6.5	6.1
Annual energy consumption		kWh/a	188	304
Theoretical load (Pdesignc)	Heating	kW	3.5	5.3
Rated capacity (T=+7°C)		kW	4.10 (0.97~5.63)	5.86 (2.20~6.15)
Rated absorbed power (T=+7°C)		kW	1.10 (0.35~2.05)	1.58 (0.74~1.76)
Rated energy performance coefficient		COP ³	3.73	3.71
Energy efficiency class (intermediate climate season)		626/2011 ¹	A+	A+
Seasonal energy efficiency index (intermediate climate season)		SCOP ²	4.0	4.0
Annual energy consumption	kWh/a	1120	1512	
Theoretical load (Pdesignh)	kW	3.2	4.3	
Operating limits (external temperature)	Cooling	°C	-15~50	
	Heating	°C	-15~24	
Electrical data				
Power	Outdoor unit	Ph-V-Hz	1-220~240V-50HZ	
Power cable		Type	3 x 2.5 mm ²	3 x 4 mm ²
Absorbed current (rated)	Cooling	A	4.2 (1.7~7.2)	7.2 (3.2~8.3)
	Heating	A	5.0 (1.7~9.0)	7.0 (3.3~7.7)
Maximum current		A	10	13.5
Maximum absorbed power		kW	2.35	2.95
Connection wires between I.U. and O.U.		no.	5	4
Refrigerant circuit				
Refrigerant (GWP) ⁴			R32 (675)	
Quantity refrigerant pre-load		Kg	0.87	1.15
Tons of CO2 equivalent		t	0.587	0.776
Diameter of refrigerant piping on liquid/gas		mm (inches)	ø6.35(1/4") - ø9.52(3/8")	ø6.35(1/4") - ø12.74(1/2")
Max. splitting length		m	25	30
Max height difference I.U./O.U.		m	10	20
Splitting length without additional load		m	5	5
Additional load		g/m	12	12
Indoor unit specifications				
Dimensions	LxDxH	mm	700x450x200	880x674x210
	Net weight	Kg	18	24.3
Sound pressure level (I.U.)	Hi/Mi/Lo	dB(A)	35/30.5/26	41.5/38/33
Sound power level (I.U.)	Hi	dB(A)	56	59
Handled air volume	Hi/Mi/Lo	m ³ /h	600/480/300	880/650/350
Fan pressure head	Std/Max	Pa	25/60	25/100
Motor power (Output)		W	130	90
Outside diameter of condensate drain		mm	ø25	ø25
Specifications of outdoor units				
Dimensions	LxDxH	mm	800x333x554	800x333x554
	Net weight	Kg	34.7	33.7
Sound pressure level (O.U.)		dB(A)	55.5	55
Sound power level (O.U.)		dB(A)	63	63
Handled air (Max)		m ³ /h	2000	2000
Motor power (Output)		no. x W	1 x 40	1 x 57
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 labeling 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.

RESIDENTIAL AND COMMERCIAL R32

DUCTED WITH MEDIUM HEAD

HUCI 710-1080-1400-1600 ZA



Infrared remote control



Main features

6 power sizes: single phase 7.03 ~ 12.31 kW;
three-phase 10.55 ~ 15.24 kW.

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

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

160 Pa maximum fan static pressure.

Automatic adjustment of the head of the fan at constant flow rate.

Flexi air inlet, from the bottom or from the back.

Condensate drain pump with possibility of raising the discharge up to 750 mm from the lower part of the unit.



Indoor unit model		HUCI 710 ZA	HUCI 1080 ZA	HUCI 1400 ZA	HUCI 1080 ZA	HUCI 1400 ZA	HUCI 1600 ZA	
Outdoor unit model		HCKI 710 ZA	HCKI 880 ZA	HCKI 1200 ZA	HCSI 1080 ZA	HCSI 1400 ZA	HCSI 1600 ZA	
Type		FULL DC-Inverter heat pump						
Control		Remote control						
Rated capacity (T=+35°C)	Cooling	kW	7.03 (3.28~8.16)	8.79 (2.23~9.82)	12.31 (2.58~12.31)	10.55 (4.04~12.02)	14.07 (4.26~15.19)	15.24 (5.86~17.29)
Rated absorbed power (T=+35°C)		kW	2.19 (0.48~2.85)	2.60 (0.19~3.35)	3.65 (0.23~4.35)	4.10 (0.89~4.98)	5.15 (1.17~5.70)	5.42 (1.27~6.65)
Rated energy efficiency coefficient		EER ³	3.21	3.38	3.37	2.57	2.73	2.81
Seasonal energy efficiency class		626/2011 ¹	A++	A++	A++	A++	A++	A++
Seasonal energy efficiency index	Heating	SEER ²	6.1	6.1	6.1	6.1	6.1	6.1
Annual energy consumption		kWh/a	402	505	711	602	808	878
Theoretical load (Pdesignc)		kW	7.0	8.8	12.4	10.5	14.0	15.3
Rated capacity (T=+7°C)		kW	7.62 (2.72~8.72)	9.38 (2.70~11.14)	13.48 (2.05~14.27)	11.14 (2.81~13.19)	16.12 (3.7~18.02)	18.17 (4.69~20.52)
Rated absorbed power (T=+7°C)	kW	2.05 (0.50~2.88)	2.30 (0.43~2.90)	3.68 (0.34~4.29)	3.00 (0.78~4.67)	4.28 (0.95~5.82)	5.33 (1.04~6.03)	
Rated energy performance coefficient	Heating	COP ³	3.72	4.08	3.66	3.71	3.77	3.41
Energy efficiency class (intermediate climate season)		626/2011 ¹	A+	A+	A+	A+	A+	A+
Seasonal energy efficiency index (intermediate climate season)		SCOP ²	4.0	4.0	4.0	4.0	4.0	4.0
Annual energy consumption		kWh/a	1911	2800	3360	2968	4263	4375
Theoretical load (Pdesignh)	kW	5.4	8.0	9.6	8.4	12.1	12.5	
Operating limits (external temperature)	Cooling	°C						
	Heating	°C						
Electrical data								
Power	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 6 mm ²	5 x 2.5 mm ²	5 x 2.5 mm ²	5 x 4 mm ²
Absorbed current (rated)	Cooling	A	9.5 (2.1~12.4)	11.8 (2.0~15.5)	16.0 (1.5~19.1)	6.5 (1.4~8.2)	8.3 (1.8~9.4)	8.9 (2.0~11.6)
	Heating	A	8.9 (2.2~12.5)	10.6 (3.0~13.5)	16.2 (1.9~18.8)	4.7 (1.3~7.4)	6.8 (1.5~9.2)	8.8 (1.6~10.5)
Maximum current	A	13.5	16.5	22.5	10	11.2	14	
Maximum absorbed power	kW	2.95	3.60	4.80	5.60	6.20	7.50	
Connection wires between I.U. and O.U.	no.	5 (2 of which shielded)						
Refrigerant circuit								
Refrigerant (GWP) ⁴	R32 (675)							
Quantity refrigerant pre-load	Kg	1.5	2	2.8	2.4	2.8	2.95	
Tons of CO2 equivalent	t	1.013	1.350	1.890	1.620	1.890	1.991	
Diameter of refrigerant piping on liquid/gas	mm (inches)	ø9.52(3/8") - ø15.88(5/8")						
Max. splitting length	m	50	50	50	65	65	65	
Max height difference I.U./O.U.	m	25	25	30	30	30	30	
Splitting length without additional load	m	5	5	5	5	5	5	
Additional load	g/m	24	24	24	24	24	24	
Indoor unit specifications								
Dimensions	LxDxH	mm	1100x774x249	1360x774x249	1200x874x300	1360x774x249	1200x874x300	1200x874x300
	Net weight	Kg	31.5	40.5	47.6	40.5	47.6	47.6
Sound pressure level (I.U.)	Hi/Mi/Lo	dB(A)	42/40/38	47/43/40	51/50/48	47/43/40	51/50/48	54/52/51
Sound power level (I.U.)	Hi	dB(A)	62	63	68	63	68	71
Handled air volume	Hi/Mi/Lo	m ³ /h	1248/1054/839	1400/1150/750	2400/2040/1680	1400/1150/750	2400/2040/1680	2600/2210/1820
Fan pressure head	Std/Max	Pa	25/160	37/160	50/160	37/160	50/160	50/160
Motor power (Output)	W	90	250	560	250	560	560	
Outside diameter of condensate drain	mm	ø25	ø25	ø25	ø25	ø25	ø25	
Specifications of outdoor units								
Dimensions	LxDxH	mm	845x363x702	946x410x810	946x410x810	946x410x810	952x415x1333	952x415x1333
	Net weight	Kg	66.8	56.9	73.9	81.5	106.7	111.3
Sound pressure level (O.U.)	dB(A)	62	60.5	67	64	66	66	
Sound power level (O.U.)	dB(A)	65	69	74	68	72	74	
Handled air (Max)	m ³ /h	2700	3600	3800	4000	7500	7500	
Motor power (Output)	no. x W	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	XRV Mobile BMS							

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