

# RESIDENTIAL AND COMMERCIAL R410A



## DUCTED MEDIUM Pa



### Main features:

- 5 available power levels: 5.35~16.40 kW.
- Seasonal energy efficiency class on cooling/heating up to A++/A+.
- SEER/SCOP values up to 6.1/4.0 [model from 5.35 to 10.56 kW]
- Operating range: -15~50°C in cool.; -15~24°C in heat.
- Maximum distance between outdoor and indoor unit up to 65 metres.
- Twin Combination: possibility of connecting two indoor and two outdoor units.
- Hybrid indoor unit, compatible with gas R410A and R32.
- Possibility of bottom or rear air intake, orienting the door as needed.
- Pre-set for outside air integration.
- Remote control adjustable static pressure.



HUCI 530-710-1080-1400-1600 ZA

Remote control (standard)



Indoor unit model			HUCI 530 ZA	HUCI 710 ZA	HUCI 1080 ZA	HUCI 1400 ZA	HUCI 1600 ZA
Outdoor unit model			HCKI 531 XA	HCKI 711 XA	HCSI 1081 XA	HCSI 1401 XA	HCSI 1601 XA
Type			FULL DC-Inverter	FULL DC-Inverter	FULL DC-Inverter	FULL DC-Inverter	FULL DC-Inverter
Rated capacity (T=+35°C)	Cool.	W	5350 (1230-6150)	7350 (1990-8210)	10560 (2400-12010)	14300 (3100~16400)	16400 (3400~18200)
Rated absorbed power (T=+35°C)	Cool.	W	1860 (260-2120)	2270 (450-2800)	4200 (660-4380)	5300 (880-6000)	6590 (1100-7100)
Annual energy consumption	Cool.	kWh/a	304	402	591	813	956
Seasonal energy efficiency class	Cool.	626/20111	A++	A++	A++	A+	A+
Seasonal energy efficiency index	Cool.	SEER2	6.1	6.1	6.1	5.9	5.6
Theoretical load (Pdesignc)	Cool.	kW	5.30	7.00	10.30	13.70	15.30
Rated capacity (T=+7°C)	Heat.	W	5950 (1800-7030)	7400 (2400-8650)	12400 (2780-13200)	16700 (3500~18200)	18500 (4200~20500)
Rated absorbed power (T=+7°C)	Heat.	W	1555 (310-2150)	1890 (480-2850)	3330 (650-4400)	4510 (920-5900)	5300 (1150-7200)
Annual energy consumption	Heat.	kWh/a	1610	2030	3675	4025	4235
Energy efficiency class (average season)	Heat.	626/20111	A+	A+	A+	A+	A+
Seasonal energy efficiency class index (average season)	Heat.	SCOP2	4.0	4.0	4.0	4.0	4.0
Theoretical load (Pdesignh)	Heat.	kW	4.60	5.80	10.50	11.50	12.10
Power		Ph-V-Hz	1-220~240V-50HZ	1-220~240V-50HZ	3-380~400V-50HZ	3-380~400V-50HZ	3-380~400V-50HZ
Absorbed current (MAX)		IU ~ OU	OU	OU	OU	OU	OU
Connection wires IU/ OU (not including earthing)		A	11.5	14.4	10.0	13	14
		no.	4 (2 of which shielded)	4 (2 of which shielded)	4 (2 of which shielded)	4 (2 of which shielded)	4 (2 of which shielded)
<b>Refrigerant circuit</b>							
Diameter of refrigerant piping on liquid/gas side		mm/inches	ø 6.35(1/4") - ø 12.74(1/2")	ø 9.52(3/8") - ø 15.88(5/8")	ø 9.52(3/8") - ø 15.88(5/8")	ø 9.52(3/8") - ø 15.88(5/8")	ø 9.52(3/8") - ø 15.88(5/8")
Max. splitting length I.U./O.U.		m	30	50	65	65	65
Max. splitting height difference IU/OU		m	20	25	30	30	30
Refrigerant (GWP) <sup>4</sup>			R410A(2088)	R410A(2088)	R410A(2088)	R410A(2088)	R410A(2088)
Quantity refrigerant pre-load		Kg	1.48	1.95	3.20	4.00	4.30
Splitting length without additional load		m	5	5	5	5	5
Additional load		g/m	15	30	30	30	30
Operating limit range in cool.		°C	-15°C ~ +50°C	-15°C ~ +50°C	-15°C ~ +50°C	-15°C ~ +50°C	-15°C ~ +50°C
Operating limit range in heat.		°C	-15°C ~ +24°C	-15°C ~ +24°C	-15°C ~ +24°C	-15°C ~ +24°C	-15°C ~ +24°C
<b>Specifications of indoor units</b>							
Indoor unit	Dimensions (LxHxD)	mm	880x210x674	1100x249x774	1360x249x774	1200x300x874	1200x300x874
	Net weight	Kg	25.6	31.5	40.5	47.6	47.6
Sound pressure level - Indoor U.	Hi/Mi/Lo	dB(A)	44/42/40	44/42/40	47/43/40	50.5/49.5/48	54/52/50
Sound power level - Indoor U.	Hi	dB(A)	59	64	63	70	74
Treated air (High / Med. / Low)		m <sup>3</sup> /h	1006/853/684	1248/1054/839	1400/1150/750	2400/2040/1680	2600/2210/1820
Fan pressure head	Std./ Max	Pa	25/100	25/160	37/160	50/160	50/160
Air delivery flange	Dimensions (LxH)	mm	706x136	926x175	1186x175	1044x227	1044x227
Outside diameter of condensate drain		mm	ø 25	ø 25	ø 25	ø 25	ø 25
Remote control (supplied)	type		Remote interactive (R.I.) remote control	Remote interactive (R.I.) remote control	Remote interactive (R.I.) remote control	Remote interactive (R.I.) remote control	Remote interactive (R.I.) remote control
<b>Specifications of outdoor units</b>							
Outdoor unit	Dimensions (LxHxD)	mm	800x554x333	845x702x363	946x810x410	952x1333x410	952x1333x410
	Net weight	Kg	35.5	49	78.9	108.1	112.8
Sound pressure level - Outdoor U.		dB(A)	56.5	60.5	62	65	62.5
Sound power level - Outdoor U.		dB(A)	65	65	69	73	75
Max air treated		m <sup>3</sup> /h	2100	2700	4300	6800	7200
<b>Optional parts</b>							
Wired remote control					YES		
Centralised control					YES		
Wi-Fi control					Possible via 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. 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 2088. If 1 kg of this refrigerant fluid were released into the atmosphere, therefore, the impact on global warming would be 2088 times higher than 1 kg of CO<sub>2</sub> 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.