



RESIDENTIAL AND COMMERCIAL R410A





THE PERFECT SYNTHESIS BETWEEN DESIGN, PERFORMANCE AND RESPECT FOR THE ENVIRONMENT



Hokkaido looks to the future with its line of air conditioners with functional, versatile aesthetics: **V-DESIGN DC INVERTER** models are for anyone who is looking for an innovative and attractive design, while **ACTIVE DC INVERTER** models combine tradition and technology to guarantee maximum comfort.

The range includes other types of indoor units such as **console, cassette, ductable** and **floor/ceiling**.

All models are designed with special attention to detail and with the full force of cutting-edge technology that greatly improves product performance.

RESIDENTIAL AND COMMERCIAL R410A



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RESIDENTIAL AND COMMERCIAL R410A - LINE UP

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MONOSPLIT

	kW	2.60	3.50	5.30	7.10	10.80	14.00	16.00
V-DESIGN DC INVERTER								
Wall		HKEU XAL-2*	HKEU XAL-2*					
ACTIVE LINE DC INVERTER								
Wall		HKEU XAL-1*	HKEU XAL-1*					
COMMERCIAL								
Console			HFIU ZAL*					
Compact Cassette			HTFU ZAL	HTFU ZAL				
Slim Cassette 84x84					HTBI ZA	HTBI ZA	HTBI ZA	HTBI ZA
Ducted medium head Pa			HUCI ZA	HUCI ZA	HUCI ZA	HUCI ZA	HUCI ZA	HUCI ZA
Floor/ceiling				HSFU ZAL	HSFI ZA1	HSFI ZA1	HSFI ZA1	HSFI ZA1




* Can also be installed in multisplit version.

Performance and consumption are based on the following test conditions. O.T. heating 7° C DB, 6° C WB and - I.T. 20° C DB. Cooling: O.T. 35° C DB, 24° C WB - I.T. 27° C DB, 19° C WB (ISO T1).

RESIDENTIAL AND COMMERCIAL R410A - LINE UP

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MULTISPLIT

kW		5.20	6.10	8.00	8.20	11.05	12.30
Number of connectable I.U.		2	3	3	4	4	5
							
		HCKU 531 X2	HCKU 601 X3	HCKU 761 X3	HCKU 811 X4	HCKU 1061 X4	HCKU 1201 X5
	HKEU 262 XAL-2	•	•	•	•	•	•
	HKEU 352 XAL-2	•	•	•	•	•	•
	HKEU 263 XAL-1	•	•	•	•	•	•
	HKEU 353 XAL-1	•	•	•	•	•	•
	HKEU 533 XAL-1	•	•	•	•	•	•
	HKEU 713 XAL-1				•	•	•
	HFU 350 ZAL	•	•	•	•	•	•

Performance and consumption are based on the following test conditions. O.T. heating 7° C DB, 6° C WB and - I.T. 20° C DB. Cooling: O.T. 35° C DB, 24° C WB - I.T. 27° C DB, 19° C WB (ISO T1).



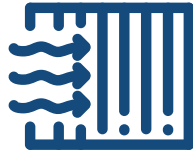
V-DESIGN DC INVERTER

Clean air, design, high performance



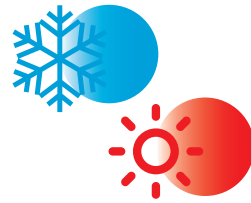
Turbo function

In both cooling and heating modes, Turbo function allows the user to quickly reach desired temperature to quickly cool or heat rooms.



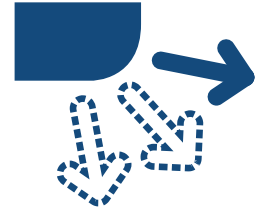
High density filter

These remove dust and pollen by up to 80%, improving room air quality.



Light effects

The V-DESIGN colour display allows for at-a-glance understanding of which operating mode is activated on the unit (blue light for cooling, orange light for heating).



Storing air flow louvre position

When the V-Design is switched back on, this function allows the horizontal deflector to maintain the same angle tilt used and stored during the last machine use.



Auto-brightness

When the room light is off, the display goes dark slowly after 5s, the fan speed is reduced and the buzzer goes into silent mode. When the room is back to light, these functions resume automatically according to normal operation.



Wi-Fi

Wi-Fi control

Conveniently control air conditioners via smartphone. HKM-Wi-Fi is a simple, intuitive app that allows users to control air conditioning wherever you are. Available for iOS and Android.



Simplicity of installation

The condensate drain pipe is characterised by flexibility and the possibility of two applications (right and left). The new layout of the indoor unit mounting brackets makes wall application more secure.



Simplicity of maintenance

V DESIGN wall unit design facilitates all maintenance, disassembly and cleaning operations.

RESIDENTIAL AND COMMERCIAL R410A

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V-DESIGN DC INVERTER

Wall HKEU 262-352 XAL-2 Dark silver



Standard remote control with built-in temperature sensor (Follow me function)

Characteristics

2.64~3.52 kW | 2 available power levels

A++/A+ | Seasonal energy efficiency class in cooling/heating mode

7.4/4.1 (2.64 kW) | SEER/SCOP values

-15~50°C | **-20~30°C** | Operating range in cooling and heating

20 dB(A) (2.64 kW) | Extremely quiet

21 dB(A) (3.52 kW) | Extremely quiet

182 mm deep | Compact dimensions

Installation flexibility | Up to 25 m splitting length and 10 m height difference between O.U. and I.U.

Tax deductions and **Thermal account** | Tax benefits



Indoor unit model		HKEU 262 XAL-2		HKEU 352 XAL-2	
Outdoor unit model		HCNI 260 XA-1		HCNI 352 XA	
Type		DC-Inverter heat pump			
Control (included)		Remote control			
Cooling	Rated capacity (T=35°C)	kW	2.64 (1.23~3.30)	3.52 (1.33~4.47)	
	Rated absorbed power (T=35°C)	kW	0.71 (0.10~1.26)	1.07 (0.10~1.71)	
	Rated energy efficiency coefficient	EER ³	3.71	3.29	
	Seasonal energy efficiency class	626/2011 ¹	A++	A++	
	Seasonal energy efficiency index	SEER ²	7.4	6.9	
	Annual energy consumption	kWh/a	123	178	
Heating	Theoretical load (Pdesignc)	kW	2.6	3.5	
	Rated capacity (T=7°C)	kW	2.95 (0.85~3.72)	4.16 (1.04~4.88)	
	Rated absorbed power (T=7°C)	kW	0.76 (0.13~1.32)	1.10 (0.16~1.73)	
	Rated energy performance coefficient	COP ³	3.88	3.78	
	Energy efficiency class (average season)	626/2011 ¹	A+	A+	
	Seasonal energy efficiency class index (average season)	SCOP ²	4.1	4.1	
Operating limits (outside temp.)	Annual energy consumption	kWh/a	785	922	
	Theoretical load (Pdesignh) @-10°C	kW	2.3	2.7	
		Cooling	°C	-15~50	
		Heating	°C	-20~30	
Electrical data					
Power	Outdoor unit	Ph-V-Hz	1Ph - 220/240V - 50Hz		
Power cable		Type	3 x 1.5 mm ²		3 x 2.5 mm ²
Connection wires between I.U. and O.U.		no.	5 x 1.5 mm ²		5 x 2.5 mm ²
Rated absorbed current (min~max)	Cooling	A	3.10 (0.40~5.50)		4.80 (0.40~7.40)
	Heating	A	3.40 (0.50~5.70)		4.90 (0.70~7.50)
Maximum current		A	9.5		10
Maximum absorbed power		kW	2.1		2.2
Refrigerant circuit					
Refrigerant (GWP) ⁴			R410A (2088)		R410A (2088)
Quantity refrigerant pre-load		Kg	0.80		0.95
Tons of CO2 equivalent		t	1.670		1.983
Diameter of refrigerant piping on liquid/gas		mm (inches)	ø6.35(1/4") - ø9.52(3/8")		ø6.35(1/4") - ø9.52(3/8")
Max splitting length		m	25		25
Max height difference I.U./O.U.		m	10		10
Splitting length without additional load		m	5		5
Additional load		g/m	15		15
Indoor unit specifications					
Dimensions	LxDxH	mm	897x182x312		897x182x312
Net weight		Kg	9.5		9.9
Sound pressure level (I.U.)	Hi/Mi/Lo/Ulo	dB(A)	35/26/21/20		36/29/22/21
Sound power level (I.U.)	Hi	dB(A)	51		49
Handled air volume	Hi/Mi/Lo	m ³ /h	400/300/240		500/270/350
Motor power (Output)		W	20		20
Specifications of outdoor units					
Dimensions	LxDxH	mm	770x300x555		800x333x555
Net weight		Kg	26.6		29.1
Sound pressure level (O.U.)		dB(A)	55.5		56
Sound power level (O.U.)		dB(A)	61		61
Handled air (Max)		m ³ /h	1900		2000
Motor power (Output)		no. x W	40		40
Optional parts					
Wired remote control			NO		
Centralised control			NO		
Wi-Fi module			HKM-WiFi		

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.



ACTIVE LINE DC INVERTER

Comfort, well-being and air quality



Sleep mode

It allows lowering energy consumption at night. In cooling mode, the system increases the ambient temperature within 2 hours, by 2° C (in heating mode the system lowers the temperature by 2° C). At the end of the 2 hours the fan of the indoor unit works at low speed. The system keeps the room temperature constant for the next 5 hours.



Comfort care

ACTIVE air conditioners are equipped with a device that automatically regulates the temperature and moisture in the room.



Silence mode

This function allows the operating speed of the compressor of the outdoor unit and the fan of the indoor unit to be reduced to a minimum, so as to reduce noise and energy consumption to a minimum.



Refrigerant leak detection

Active only in cooling mode, it allows to identify compressor malfunctions following the refrigerant leak.



Cold currents prevention

Through this function in heating mode, it is possible to avoid the introduction of cold air into the room following the defrost cycles.



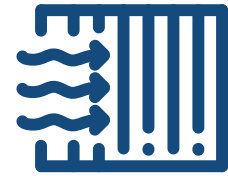
Anti-freeze function 8° C

In the event of prolonged absence, a minimum temperature level can be guaranteed inside the rooms. By activating the anti-freeze function, when a temperature lower than 8° C is detected in the room, the system starts until this temperature is reached.



24H timer

This function allows users to select delayed air conditioner on and/or off within 24 hours, either via remote (standard) or via Wi-Fi (optional).



High density filter

ACTIVE is equipped with high-density filters that ensure the removal of pollen and dust up to 80% and prolong the effect without impurities, to always have clean room air.

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ACTIVE LINE DC INVERTER

Wall HKEU 263-353 XAL-1



- Cold catalyst filter
- Self-cleaning function
- Self-diagnosis function
- High density filter
- Standard remote control with built-in temperature sensor (Follow me function)

Characteristics

2.59~3.33 kW | 2 available power levels

A++/A+ | Seasonal energy efficiency class in cooling/heating mode

6.1/4.0 | SEER/SCOP values

-15~50° C | **-15~30° C** | **Operating range in cooling and heating**

22.5 dB(A) (2.59 kW) | Extremely quiet

23 dB(A) (3.33 kW) | Extremely quiet

Compact size | Of the I.U. and O.U.

Installation flexibility | Up to 25 m splitting length and 10 m height difference between O.U. and I.U.



Indoor unit model		HKEU 263 XAL-1		HKEU 353 XAL-1	
Outdoor unit model		HCNI 263 XA		HCNI 353 XA	
Type		DC-Inverter heat pump			
Control (included)		Remote control			
Rated capacity (T=35°C)	Cooling	kW	2.59 (1.02~3.22)	3.33 (1.08~4.10)	
Rated absorbed power (T=35°C)		kW	0.76 (0.10~1.24)	1.24 (0.10~1.58)	
Rated energy efficiency coefficient		EER ³	3.42	2.69	
Seasonal energy efficiency class		626/2011 ¹	A++	A++	
Seasonal energy efficiency index		SEER ²	6.1	6.1	
Annual energy consumption		kWh/a	143	189	
Theoretical load (Pdesignc)		kW	2.5	3.3	
Rated capacity (T=7°C)	Heating	kW	2.98 (0.82~3.37)	3.74 (0.88~4.22)	
Rated absorbed power (T=7°C)		kW	0.79 (0.12~1.20)	1.26 (0.13~1.51)	
Rated energy performance coefficient		COP ³	3.76	2.96	
Energy efficiency class (average season)		626/2011 ¹	A+	A+	
Seasonal energy efficiency class index (average season)		SCOP ²	4.0	4.0	
Annual energy consumption		kWh/a	770	805	
Theoretical load (Pdesignh) @-10° C		kW	2.2	2.3	
Operating limits (outside temp.)	Cooling	°C	-15~50		
	Heating	°C	-15~30		
Electrical data					
Power	Outdoor unit	Ph-V-Hz	1Ph - 220/240V - 50Hz		
Power cable		Type	3 x 2.5 mm ²		
Connection wires between I.U. and O.U.		no.	5 x 1.5 mm ²		
Rated absorbed current (min~max)	Cooling	A	3.10 (0.40~5.40)	5.40 (0.40~6.90)	
	Heating	A	3.20 (0.50~5.20)	5.20 (0.60~6.60)	
Maximum current		A	9.5	10	
Maximum absorbed power		kW	2.1	2.2	
Refrigerant circuit					
Refrigerant (GWP) ⁴			R410A (2088)		R410A (2088)
Quantity refrigerant pre-load		Kg	0.8	0.8	
Tons of CO2 equivalent		t	1.670	1.670	
Diameter of refrigerant piping on liquid/gas		mm (inches)	ø6.35(1/4") - ø9.52(3/8")		ø6.35(1/4") - ø9.52(3/8")
Max splitting length		m	25	25	
Max height difference I.U./O.U.		m	10	10	
Splitting length without additional load		m	5	5	
Additional load		g/m	15	15	
Indoor unit specifications					
Dimensions	LxDxH	mm	715x194x285		805x194x285
Net weight		Kg	7.3		7.8
Sound pressure level (I.U.)	Hi/Mi/Lo/U/Lo	dB(A)	40/34/29.5/22.5		41/36/28/23
Sound power level (I.U.)	Hi	dB(A)	53		53
Handled air volume	Hi/Mi/Lo	m ³ /h	420/320/270		570/470/370
Motor power (Output)		W	40		40
Specifications of outdoor units					
Dimensions	LxDxH	mm	770x300x555		770x300x555
Net weight		Kg	26		26.3
Sound pressure level (O.U.)		dB(A)	55.5		56
Sound power level (O.U.)		dB(A)	61		61
Handled air (Max)		m ³ /h	1800		1800
Motor power (Output)		no. x W	40		40
Optional parts					
Wired remote control			NO		
Centralised control			NO		
Wi-Fi module			HKM-WiFi		

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.

RESIDENTIAL AND COMMERCIAL R410A

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CONSOLE

HFU 350 ZAL



4 air distribution inlets for increased system energy efficiency



Standard remote control with built-in temperature sensor (Follow me function)

Characteristics

3.52 kW | 1 available power level

A++/A+ | Seasonal energy efficiency classes in cooling/heating mode

6.1/4.0 | SEER/SCOP values

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

210 mm deep | Compact size

Double air distribution mode

Anti-formaldehyde filter supplied

Installation flexibility | Up to 25 m splitting length



Indoor unit model			HFIU 350 ZAL
Outdoor unit model			HCKI 351 XA-1
Type			FULL DC-Inverter heat pump
Control (included)			Remote control
Rated capacity (T=35°C)	Cooling	kW	3.52 (0.77~3.81)
Rated absorbed power (T=35°C)		kW	1.21 (0.17~1.84)
Rated energy efficiency coefficient		EER ³	2.91
Seasonal energy efficiency class		626/2011 ¹	A++
Seasonal energy efficiency index		SEER ²	6.1
Annual energy consumption		kWh/a	201
Theoretical load (Pdesignc)		kW	3.5
Rated capacity (T=7°C)	Heating	kW	3.81 (0.46~4.34)
Rated absorbed power (T=7°C)		kW	1.10 (0.15~1.47)
Rated energy performance coefficient		COP ³	3.46
Energy efficiency class (average season)		626/2011 ¹	A+
Seasonal energy efficiency class index (average season)		SCOP ²	4.0
Annual energy consumption		kWh/a	1015
Theoretical load (Pdesignh) @-10° C		kW	2.9
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
Connection wires between I.U. and O.U.		no.	4
Rated absorbed current (min~max)	Cooling	A	5.50 (1.40~8.10)
	Heating	A	4.80 (1.20~6.50)
Maximum current		A	9
Maximum absorbed power		kW	1.90
Refrigerant circuit			
Refrigerant (GWP) ⁴			R410A (2088)
Quantity refrigerant pre-load		Kg	1.05
Tons of CO2 equivalent		t	2.192
Diameter of refrigerant piping on liquid/gas		mm (inches)	ø6.35(1/4") - ø9.52(3/8")
Max. splitting length		m	25
Max height difference I.U./O.U.		m	10
Splitting length without additional load		m	5
Additional load		g/m	15
Indoor unit specifications			
Dimensions	LxDxH	mm	700x210x600
Net weight		Kg	14.8
Sound pressure level (I.U.)	Hi/Mi/Lo	dB(A)	43/41.5/35
Sound power level (I.U.)	Hi	dB(A)	58
Handled air volume	Hi/Mi/Lo	m ³ /h	512/480/370
Motor power (Output)		W	67
Outside diameter of condensate drain		mm	ø16
Specifications of outdoor units			
Dimensions	LxDxH	mm	800x333x554
Net weight		Kg	29.9
Sound pressure level (O.U.)		dB(A)	56
Sound power level (O.U.)		dB(A)	62
Handled air (Max)		m ³ /h	2000
Motor power (Output)		W	1 x 63
Optional parts			
Wired remote control			YES
Manual centralized control	Requires NIM-GRH interface		YES
Wi-Fi centralized control			XRV Mobile BMS

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RESIDENTIAL AND COMMERCIAL R410A

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COMPACT CASSETTE 60x60

HTFU 350-530 ZAL



Standard remote control with built-in temperature sensor (Follow me function)

Characteristics

3.52-5.28 kW | 2 available power levels

A++/A+ | Seasonal energy efficiency classes in cooling/heating mode

6.1/4.0 | SEER/SCOP values

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

260 mm in height | Compact size

TFP 200 IHRS panel with 360° air diffusion

Pre-set for external air inlet

Electrical box inside the unit body

Condensate drain pump with possibility of raising the discharge up to 750 mm from the lower height

Tax deductions and **Thermal account** | Tax benefits



Indoor unit model		HTFU 350 ZAL		HTFU 530 ZAL	
Outdoor unit model		HCKI 351 XA-1		HCKI 531 XA-1	
Type		FULL DC-Inverter heat pump			
Control (included)		Remote control			
Rated capacity (T=35°C)	Cooling	kW	3.52 (0.62~4.40)	5.28 (0.79~6.15)	
		kW	1.08 (0.21~1.69)	1.82 (0.27~2.27)	
		EER ³	3.26	2.90	
		626/2011 ¹	A++	A++	
		SEER ²	6.1	6.1	
		kWh/a	201	298	
Rated capacity (T=7°C)	Heating	kW	4.10 (0.62~5.13)	5.42 (0.88~6.29)	
		kW	1.06 (0.50~1.83)	1.42 (0.30~2.31)	
		COP ³	3.87	3.82	
		626/2011 ¹	A+	A+	
		SCOP ²	4.0	4.0	
		kWh/a	1190	1610	
Operating limits (external temperature)	Cooling	°C	-15~50	-15~50	
	Heating	°C	-15~24	-15~24	
Electrical data					
Power	Outdoor unit	Ph-V-Hz	1-220~240V-50HZ		1-220~240V-50HZ
Power cable		Type	3 x 2.5 mm ²		3 x 4.0 mm ²
Connection wires between I.U. and O.U.		no.	4		4
Rated absorbed current (min~max)	Cooling	A	4.80 (1.00~7.70)		8.10 (1.20~10.90)
	Heating	A	4.70 (2.30~8.40)		6.30 (1.40~10.50)
Maximum current		A	9		13.5
Maximum absorbed power		kW	1.90		2.95
Refrigerant circuit					
Refrigerant (GWP) ⁴		R410A (2088)			
Quantity refrigerant pre-load		Kg	1.05		1.35
Tons of CO2 equivalent		t	2.192		2.819
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	15		15
Indoor unit specifications					
Dimensions	LxDxH	mm	570x570x260		570x570x260
Net weight		Kg	16.5		16.2
Sound pressure level (I.U.)	Hi/Mi/Lo	dB(A)	43/39/35		43/39/36
Sound power level (I.U.)	Hi	dB(A)	58		57
Handled air volume	Hi/Mi/Lo	m ³ /h	617/504/416		720/625/540
Motor power (Output)		W	45		45
Outside diameter of condensate drain		mm	ø25		ø25
Specifications of outdoor units					
Dimensions	LxDxH	mm	800x333x554		800x333x554
Net weight		Kg	29.9		34.5
Sound pressure level (O.U.)		dB(A)	56		55.5
Sound power level (O.U.)		dB(A)	62		64
Handled air (Max)		m ³ /h	2000		2000
Motor power (Output)		no. x W	1 x 63		1 x 34
Accessories					
Decorative panel		TFP 200 ZA			
Dimensions	LxDxH	mm	647x647x50		
Net weight		Kg	2.5		
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.

RESIDENTIAL AND COMMERCIAL R410A

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SLIM CASSETTE 84x84

HTBI 710-1080-1400-1600 ZA



Standard remote control with built-in temperature sensor (Follow me function)

Characteristics

7.03 kW | 1 single phase power level

10.55~15.53 kW | 3 three-phase power levels

A++/A+ (single phase 7.03 kW | three-phase 10.55 kW)
Seasonal energy efficiency classes in cool./heat.

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

Pre-set for external air inlet

Electrical box inside the unit body

Condensate drain pump with possibility of raising the discharge up to 750 mm from the lower height

Installation flexibility | Up to 65 m splitting length and 30 m height difference between O.U. and I.U. (10.55 ~ 15.53 kW)



Indoor unit model		HTBI 710 ZA		HTBI 1080 ZA		HTBI 1400 ZA		HTBI 1600 ZA		
Outdoor unit model		HCKI 711 XA-1		HCSI 1081 XA-1		HCSI 1401 XA-1		HCSI 1601 XA-1		
Type		FULL DC-Inverter heat pump								
Control (included)		Remote control								
Rated capacity (T=35°C)	Cooling	kW	7.03 (1.20~8.21)	10.55 (2.93~12.02)	14.07 (3.99~16.12)	15.53 (4.98~18.46)				
		kW	2.17 (0.40~3.16)	4.06 (0.98~4.62)	5.39 (1.33~6.20)	6.40 (1.66~7.10)				
		EER ³	3.24	2.60	2.61	2.43				
		626/2011 ¹	A++	A++	A+	A+				
		SEER ²	6.1	6.1	5.6	5.6				
		kWh/a	402	602	875	950				
Rated capacity (T=7°C)	Heating	kW	7.62 (1.20~8.65)	11.13 (2.64~13.19)	16.12 (4.19~17.59)	18.17 (5.28~20.51)				
		kW	2.05 (0.40~3.09)	3.09 (0.88~4.69)	5.36 (1.40~6.77)	5.74 (1.76~7.32)				
		COP ³	3.72	3.60	3.01	3.17				
		626/2011 ¹	A+	A+	A+	A+				
		SCOP ²	4.0	4.0	4.0	4.0				
		kWh/a	1820	3535	4025	4025				
Operating limits (external temperature)	Cooling	°C		-15~50						
	Heating	°C		-15~24						
Electrical data										
Power	Outdoor unit	Ph-V-Hz	1-220~240V-50HZ	3-380~415V-50HZ	3-380~415V-50HZ	3-380~415V-50HZ				
Power cable		Type	3 x 4 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.	5 (2 of which shielded)							
Rated absorbed current (min~max)	Cooling	A	9.90 (1.80~14.40)	7.00 (1.70~8.00)	9.30 (2.30~10.70)	11.00 (2.90~12.30)				
	Heating	A	8.90 (1.80~14.10)	5.30 (1.50~8.10)	9.20 (2.10~11.70)	9.90 (3.00~12.60)				
Maximum current		A	14.4	10	13	14				
Maximum absorbed power		kW	2.95	5.30	6.10	7.50				
Refrigerant circuit										
Refrigerant (GWP) ⁴		R410A (2088)								
Quantity refrigerant pre-load		Kg	1.95	3.2	4.00	4.3				
Tons of CO2 equivalent		t	4.072	6.682	8.352	8.978				
Diameter of refrigerant piping on liquid/gas		mm (inches)	ø9.52(3/8") - ø15.88(5/8")							
Max. splitting length		m	50	65	65	65				
Max height difference I.U./O.U.		m	25	30	30	30				
Splitting length without additional load		m	5	5	5	5				
Additional load		g/m	30	30	30	30				
Indoor unit specifications										
Dimensions	LxDxH	mm	840x840x245	840x840x245	840x840x287	840x840x287				
Net weight		Kg	23	27.5	29	29.7				
Sound pressure level (I.U.)	Hi/Mi/Lo	dB(A)	47/43/40	52/49/46	52/50/49	53/50.5/48				
Sound power level (I.U.)	Hi	dB(A)	61	62	64	68				
Handled air volume	Hi/Mi/Lo	m ³ /h	1378/1200/1032	1775/1620/1438	1715/1568/1381	1970/1737/1537				
Motor power (Output)		W	141	141	141	232				
Outside diameter of condensate drain		mm	ø32	ø32	ø32	ø32				
Specifications of outdoor units										
Dimensions	LxDxH	mm	845x363x702	946x410x810	952x410x1333	952x410x1333				
Net weight		Kg	49	78.9	108.1	112.8				
Sound pressure level (O.U.)		dB(A)	60.5	62	65	62.5				
Sound power level (O.U.)		dB(A)	65	69	73	75				
Handled air (Max)		m ³ /h	2700	4300	6800	7200				
Motor power (Output)		no. x W	1 x 115	1 x 150	2 x 126	2 x 126				
Accessories										
Decorative panel		TBP 710 ZA								
Dimensions	LxDxH	mm	950x950x55							
Net weight		Kg	5							
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.

RESIDENTIAL AND COMMERCIAL R410A

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DUCTED WITH MEDIUM HEAD

HUCU 350-530 ZAL



Standard remote control with built-in temperature sensor (Follow me function)

Characteristics

3.52-5.28 kW | 2 available power levels

A++/A+ (5.28 kW) | Seasonal energy efficiency classes in cooling/heating mode

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

200 mm in height | Compact size (3.52 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 height



Indoor unit model			HUCU 350 ZAL	HUCU 530 ZAL
Outdoor unit model			HCKI 351 XA-1	HCKI 531 XA-1
Type			FULL DC-Inverter heat pump	
Control (included)			Remote control	
Rated capacity (T=35°C)	Cooling	kW	3.52 (0.53~3.75)	5.28 (1.23~6.15)
		kW	1.30 (0.16~2.10)	1.64 (0.26~2.12)
		EER ³	2.71	3.22
		626/2011 ¹	A+	A++
		SEER ²	5.6	6.1
		kWh/a	219	304
Rated capacity (T=7°C)	Heating	kW	3.5	5.3
		kW	3.81 (1.00~4.00)	5.86 (1.80~7.03)
		kW	1.20 (0.30~2.10)	1.58 (0.31~2.15)
		COP ³	3.18	3.71
		626/2011 ¹	A+	A+
		SCOP ²	4.0	4.0
Annual energy consumption		kWh/a	910	1505
		kW	2.6	4.3
Theoretical load (Pdesignh) @-10° C	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
Connection wires between I.U. and O.U.		no.	4	4
Rated absorbed current (min~max)	Cooling	A	5.70 (1.30~10.00)	7.20 (1.10~9.20)
	Heating	A	5.50 (1.50~10.00)	7.00 (1.30~9.30)
Maximum current		A	10	13.5
Maximum absorbed power		kW	1.90	2.95
Refrigerant circuit				
Refrigerant (GWP) ⁴			R410A (2088)	
Quantity refrigerant pre-load		Kg	1.05	1.35
Tons of CO2 equivalent		t	2.192	2.819
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	15	15
Indoor unit specifications				
Dimensions	LxDxH	mm	700x450x200	880x674x210
Net weight		Kg	18	24.3
Sound pressure level (I.U.)	Hi/Mi/Lo	dB(A)	40/34.5/27.5	42/38/33
Sound power level (I.U.)	Hi	dB(A)	59	60
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	29.9	34.5
Sound pressure level (O.U.)		dB(A)	56	55.5
Sound power level (O.U.)		dB(A)	62	64
Handled air (Max)		m ³ /h	2000	2000
Motor power (Output)		no. x W	1 x 63	1 x 34
Optional parts				
Wired remote control			YES	
Manual centralized control			YES	
Wi-Fi centralized control			XRV Mobile BMS	

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RESIDENTIAL AND COMMERCIAL R410A

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DUCTED WITH MEDIUM HEAD

HUCI 710-1080-1400-1600 ZA



Standard remote control with built-in temperature sensor (Follow me function)

Characteristics

7.03 kW | 1 single phase power level

10.55-15.20 kW | 3 three-phase power levels

A++/A+ (single phase 7.03 kW | three-phase 10.55 kW)
Seasonal energy efficiency classes in cool./heat.

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

160 Pa | Maximum static fan pressure

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

Flexi air inlet, from the bottom or back

Condensate drain pump with possibility of raising the discharge up to 750 mm from the lower height



Indoor unit model		HUCI 710 ZA		HUCI 1080 ZA		HUCI 1400 ZA		HUCI 1600 ZA		
Outdoor unit model		HCKI 711 XA-1		HCSI 1081 XA-1		HCSI 1401 XA-1		HCSI 1601 XA-1		
Type		FULL DC-Inverter heat pump								
Control (included)		Remote control								
Rated capacity (T=+35°C)	Cooling	kW	7.03 (1.99~8.21)	10.55 (2.40~12.01)	14.07 (3.10~16.40)	15.20 (3.40~18.20)				
		kWh/a	402	591	813	956				
		SEER ²	6.1	6.1	5.9	5.6				
		Energy efficiency class (average season)	A++	A++	A+	A+				
		Seasonal energy efficiency class index (average season)	626/2011 ¹	626/2011 ¹	626/2011 ¹	626/2011 ¹				
		Annual energy consumption	402	591	813	956				
Rated capacity (T=7°C)	Heating	kW	7.62 (2.40~8.65)	11.14 (2.78~13.2)	16.12 (3.50~18.20)	18.17 (4.20~20.50)				
		kWh/a	2030	3675	4025	4235				
		SCOP ²	4.0	4.0	4.0	4.0				
		Energy efficiency class (average season)	A+	A+	A+	A+				
		Seasonal energy efficiency class index (average season)	626/2011 ¹	626/2011 ¹	626/2011 ¹	626/2011 ¹				
		Annual energy consumption	2030	3675	4025	4235				
Operating limits (external temperature)	Cooling	°C					-15~50			
	Heating	°C					-15~24			
Electrical data										
Power	Outdoor unit	Ph-V-Hz	1-220~240V-50HZ		3-380~415V-50HZ					
Power cable		Type	3 x 4 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.	5 (2 of which shielded)							
Rated absorbed current (min~max)	Cooling	A	10.00 (2.00~12.20)	7.50 (1.20~8.00)	8.70 (1.60~10.90)	10.90 (2.00~12.90)				
	Heating	A	8.90 (2.10~12.40)	5.70 (1.20~8.00)	7.50 (1.70~10.70)	8.70 (2.10~13.10)				
Maximum current		A	14	10	13	14				
Maximum absorbed power		kW	2.95	5.30	6.10	7.50				
Refrigerant circuit										
Refrigerant (GWP) ⁴		R410A (2088)								
Quantity refrigerant pre-load		Kg	1.95	3.2	4.00	4.3				
Tons of CO2 equivalent		t	4.072	6.682	8.352	8.978				
Diameter of refrigerant piping on liquid/gas		mm (inches)	ø9.52(3/8") - ø15.88(5/8")							
Max. splitting length		m	50	65	65	65				
Max height difference I.U./O.U.		m	25	30	30	30				
Splitting length without additional load		m	5	5	5	5				
Additional load		g/m	30	30	30	30				
Indoor unit specifications										
Dimensions	LxDxH	mm	1100x774x249	1360x774x249	1200x874x300	1200x874x300				
Net weight		Kg	31.5	40.5	47.6	47.6				
Sound pressure level (I.U.)	Hi/Mi/Lo	dB(A)	44/42/40	47/43/40	50.5/49.5/48	54/52/50.5				
Sound power level (I.U.)	Hi	dB(A)	64	63	70	74				
Handled air volume	Hi/Mi/Lo	m ³ /h	1248/1054/839	1400/1150/750	2400/2040/1680	2600/2210/1820				
Fan pressure head	Std/Max	Pa	25/160	37/160	50/160	50/160				
Motor power (Output)		W	90	250	560	560				
Outside diameter of condensate drain		mm	ø25	ø25	ø25	ø25				
Specifications of outdoor units										
Dimensions	LxDxH	mm	845x363x702	946x410x810	952x410x1333	952x410x1333				
Net weight		Kg	49	78.9	108.1	112.8				
Sound pressure level (O.U.)		dB(A)	60.5	62	65	62.5				
Sound power level (O.U.)		dB(A)	65	69	73	75				
Handled air (Max)		m ³ /h	2700	4300	6800	7200				
Motor power (Output)		no. x W	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 EN1451. 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.

RESIDENTIAL AND COMMERCIAL R410A

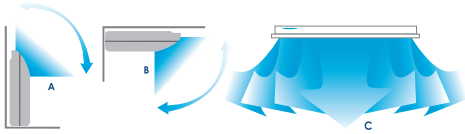
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FLOOR/CEILING

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



Standard remote control with built-in temperature sensor (Follow me function)



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.

Characteristics

5.28-7.03 kW | 2 single phase power levels

10.55-15.82 kW | 3 three-phase power levels

A++/A+ (single phase 5.28-7.03 | three-phase 10.55-15.82 kW) Seasonal energy efficiency classes in cool/heat.

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

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		HSF1 710 ZA1		HSF1 1080 ZA1		HSF1 1400 ZA1		HSF1 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 (included)	Remote control										
Cooling	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	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				
Heating	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 (average season)	626/2011 ¹	A+	A+	A+	A+	A+				
	Seasonal energy efficiency class index (average season)	SCOP ²	4.0	4.0	4.0	4.0	4.0				
Operating limits (external temperature)	Annual energy consumption	kWh/a	1540	1855	3605	4130	4200				
	Theoretical load (Pdesignh) @-10° C	KW	4.4	5.3	10.3	11.8	12.0				
	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 mm ²		3 x 4 mm ²		5 x 2.5 mm ²		5 x 2.5 mm ²		
Connection wires between I.U. and O.U.		no.	4		5 (2 of which shielded)						
Rated absorbed current (min~max)	Cooling	A	7.30 (2.80~7.90)	10.40 (1.80~14.40)	7.00 (1.70~8.00)	9.00 (2.40~10.90)	10.50 (2.90~12.00)				
	Heating	A	6.60 (2.40~6.80)	8.90 (1.80~14.10)	5.20 (1.50~8.10)	8.20 (2.50~11.40)	9.70 (3.00~12.60)				
Maximum current		A	13.5	14.4	10	13	14				
Maximum absorbed power		KW	2.95	3.16	5.30	6.59	7.50				
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	26.8	28	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	m ³ /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)	m ³ /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	

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RESIDENTIAL AND COMMERCIAL R410A

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TWIN COMBINATIONS



Indoor unit model			2 x HTBI 710 ZA
Outdoor unit model			HCSI 1401 XA-1
Type			FULL DC-Inverter heat pump
Control (included)			Remote control
Rated capacity (T=35°C)	Cooling	kW	14.07 (3.99~16.12)
Rated absorbed power (T=35°C)		kW	5.39 (1.33~6.20)
Rated energy efficiency coefficient		EER ³	2.61
Seasonal energy efficiency class		626/2011 ¹	A+
Seasonal energy efficiency index		SEER ²	5.6
Annual energy consumption		kWh/a	875
Theoretical load (Pdesignc)	Heating	kW	14.0
Rated capacity (T=7°C)		kW	16.12 (4.19~17.58)
Rated absorbed power (T=7°C)		kW	5.36 (1.40~6.77)
Rated energy performance coefficient		COP ³	3.00
Energy efficiency class (average season)		626/2011 ¹	A+
Seasonal energy efficiency class index (average season)		SCOP ²	4.0
Annual energy consumption	kWh/a	4025	
Theoretical load (Pdesignh) @-10°C	Cooling	kW	11.5
Operating limits (external temperature)		Heating	°C
	Electrical data		
Power	Indoor unit	Ph-V-Hz	1-220~240V-50HZ
	Outdoor unit		3-380~415V-50HZ
Power cable		Type	5 x 2.5 mm ²
Connection wires between each I.U. and O.U.		no.	5 (2 of which shielded)
Rated absorbed current (min~max)	Cooling	A	9.30 (2.30~10.70)
	Heating	A	9.20 (2.10~11.70)
Maximum current		A	13
Maximum absorbed power		kW	6.77
Refrigerant circuit			
Refrigerant (GWP) ⁴			R410A (2088)
Quantity refrigerant pre-load		Kg	4.0
Tons of CO2 equivalent		t	8.352
Diameter of refrigerant piping on liquid/gas	Indoor unit	mm (inches)	ø9.52(3/8") - ø15.88(5/8")
	Outdoor unit		
Max. splitting length		m	65
Max height difference I.U./O.U.		m	30
Splitting length without additional load		m	5
Additional load		g/m	30



Indoor unit model			2 x HUCI 710 ZA
Outdoor unit model			HCSI 1401 XA-1
Type			FULL DC-Inverter heat pump
Control (included)			Remote control
Rated capacity (T=35°C)	Cooling	kW	13.72 (3.08~16.41)
Rated absorbed power (T=35°C)		kW	5.03 (0.88~6.00)
Rated energy efficiency coefficient		EER ³	2.73
Seasonal energy efficiency class		626/2011 ¹	A+
Seasonal energy efficiency index		SEER ²	5.9
Annual energy consumption		kWh/a	813
Theoretical load (Pdesignc)	Heating	kW	13.7
Rated capacity (T=7°C)		kW	16.12 (3.52~18.17)
Rated absorbed power (T=7°C)		kW	4.35 (0.92~5.90)
Rated energy performance coefficient		COP ³	3.71
Energy efficiency class (average season)		626/2011 ¹	A+
Seasonal energy efficiency class index (average season)		SCOP ²	4.0
Annual energy consumption	kWh/a	4025	
Theoretical load (Pdesignh) @-10°C	Cooling	kW	11.5
Operating limits (external temperature)		Heating	°C
	Electrical data		
Power	Indoor unit	Ph-V-Hz	1-220~240V-50HZ
	Outdoor unit		3-380~415V-50HZ
Power cable		Type	5 x 2.5 mm ²
Connection wires between each I.U. and O.U.		no.	5 (2 of which shielded)
Rated absorbed current (min~max)	Cooling	A	8.70 (1.60~10.90)
	Heating	A	7.50 (1.70~10.70)
Maximum current		A	13
Maximum absorbed power		kW	6.10
Refrigerant circuit			
Refrigerant (GWP) ⁴			R410A (2088)
Quantity refrigerant pre-load		Kg	4.0
Tons of CO2 equivalent		t	8.352
Diameter of refrigerant piping on liquid/gas	Indoor unit	mm (inches)	ø9.52(3/8") - ø15.88(5/8")
	Outdoor unit		
Max. splitting length		m	65
Max height difference I.U./O.U.		m	30
Splitting length without additional load		m	5
Additional load		g/m	30

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TWIN COMBINATIONS



Indoor unit model			HSFI 710 ZA1
Outdoor unit model			HCSI 1401 XA-1
Type			FULL DC-Inverter heat pump
Control (included)			Remote control
Rated capacity (T=35°C)	Cooling	kW	14.07 (4.10~16.41)
Rated absorbed power (T=35°C)		kW	5.19 (1.37~6.31)
Rated energy efficiency coefficient		EER ³	2.71
Seasonal energy efficiency class		626/2011 ¹	A++
Seasonal energy efficiency index		SEER ²	6.1
Annual energy consumption		kWh/a	803
Theoretical load (Pdesignc)	Heating	kW	14.0
Rated capacity (T=7°C)		kW	16.12 (4.40~18.46)
Rated absorbed power (T=7°C)		kW	4.73 (1.47~6.59)
Rated energy performance coefficient		COP ³	3.41
Energy efficiency class (average season)		626/2011 ¹	A+
Seasonal energy efficiency class index (average season)		SCOP ²	4.0
Annual energy consumption	kWh/a	4130	
Theoretical load (Pdesignh) @-10°C		kW	11.8
Operating limits (external temperature)	Cooling	°C	-15~50
	Heating	°C	-15~24
Electrical data			
Power	Indoor unit	Ph-V-Hz	1-220~240V-50HZ
	Outdoor unit		3-380~415V-50HZ
Power cable		Type	5 x 2.5 mm ²
Connection wires between each I.U. and O.U.		no.	5 (2 of which shielded)
Rated absorbed current (min~max)	Cooling	A	9.00 (2.40~10.90)
	Heating	A	8.20 (2.50~11.40)
Maximum current		A	13
Maximum absorbed power		kW	6.59
Refrigerant circuit			
Refrigerant (GWP) ⁴			R410A (2088)
Quantity refrigerant pre-load		Kg	4.0
Tons of CO2 equivalent		t	8.352
Diameter of refrigerant piping on liquid/gas	Indoor unit	mm (inches)	ø9.52(3/8") - ø15.88(5/8")
	Outdoor unit		
Max. splitting length		m	65
Max height difference I.U./O.U.		m	30
Splitting length without additional load		m	5
Additional load		g/m	30

For the specifications of the units, the connectable accessories and the optional parts, refer to the tables of the single models.

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 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 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.

The indoor units that can be used in twin combinations are the slim cassette, the medium head duct and the floor/ceiling combined with an external 14.00 kW unit.

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R410A MULTISPLIT

Outdoor unit - Up to 5 connectable indoor units



HCKU 531 X2



HCKU 601 X3
HCKU 761 X3



HCKU 811 X4



HCKU 1061 X4
HCKU 1201 X5

Characteristics

A++/A+ (5.20-8.20 kW) | Energy efficiency class in cooling/heating

Broad operating range in heating mode up to an outdoor temperature of -15° C, in cooling mode up to an outdoor temperature of +50° C

Maximum flexibility and ease of installation guaranteed by long refrigerant pipe length

Model		HCKU 531 X2	HCKU 601 X3	HCKU 761 X3	HCKU 811 X4	HCKU 1061 X4	HCKU 1201 X5	
Type		Outdoor DC-Inverter heat pump unit						
Connectable indoor units (min - max)	no.	1 - 2	2 - 3	2 - 3	2 - 4	2 - 4	2 - 5	
Rated capacity (T=+35°C)	kW	5.20 (2.08~6.29)	6.10 (2.44~7.32)	8.00 (2.77~8.69)	8.20 (3.04~9.93)	11.05 (3.71~13.78)	12.30 (4.18~14.00)	
Rated absorbed power (T=+35°C)	kW	1.79 (0.59~2.16)	1.89 (0.68~2.38)	2.48 (0.76~2.93)	2.47 (0.84~3.09)	3.42 (0.89~4.29)	3.73 (1.01~4.55)	
Rated energy efficiency coefficient	EER ³	2.91	3.23	3.23	3.32	3.23	3.30	
Seasonal energy efficiency class	626/2011 ¹	A++	A++	A++	A++	A++	A++	
Seasonal energy efficiency index	SEER ²	6.2	6.3	6.6	6.8	7.1	7.6	
Annual energy consumption	kWh/a	282	339	403	401	523	566	
Theoretical load (Pdesignc)	kW	5.0	6.1	7.6	7.8	10.6	12.3	
Rated capacity (T=+7°C)	kW	5.50 (2.20~6.66)	6.60 (2.64~7.92)	8.60 (2.87~9.02)	8.80 (3.26~10.65)	11.30 (3.89~13.32)	12.50 (4.18~14.94)	
Rated absorbed power (T=+7°C)	kW	1.48 (0.50~1.85)	1.78 (0.64~2.22)	2.32 (0.70~2.70)	2.34 (0.83~3.05)	3.045 (0.83~3.98)	3.37 (0.91~4.21)	
Rated energy performance coefficient	COP ³	3.72	3.71	3.71	3.76	3.72	3.71	
Energy efficiency class (average season)	626/2011 ¹	A	A	A+	A+	A	A	
Seasonal energy efficiency class index (average season)	SCOP ²	3.8	3.8	4.0	4.0	3.8	3.8	
Annual energy consumption	kWh/a	1695	2034	1995	2415	3426	3537	
Theoretical load (Pdesignh) @-10° C	kW	4.6	5.5	5.7	6.9	9.3	9.6	
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	Ph-V-Hz	1-220~240V-50HZ	1-220~240V-50HZ	1-220~240V-50HZ	1-220~240V-50HZ	1-220~240V-50HZ	1-220~240V-50HZ	
Power cable	Type	3 x 2.5 mm ²	3 x 4 mm ²	3 x 4 mm ²	3 x 4 mm ²	3 x 6 mm ²	3 x 6 mm ²	
Connection wires between each I.U. and O.U.	no.	4	4	4	4	4	4	
Rated absorbed current (min~max)	Cooling	A	7.60 (2.80~7.00)	8.30 (4.40~7.70)	10.70 (3.30~10.20)	9.90 (5.80~12.10)	16.90 (5.40~15.30)	16.60 (3.00~16.00)
	Heating	A	6.70 (2.30~6.90)	7.80 (3.50~7.10)	9.80 (3.20~9.50)	10.60 (7.20~15.30)	13.00 (5.90~14.60)	14.70 (3.00~15.80)
Maximum current	A	12	15	16	17	21.5	22	
Maximum absorbed power	kW	2.3	2.8	3.3	3.5	4.6	4.7	
Refrigerant circuit								
Refrigerant (GWP) ⁴		R410A (2088)	R410A (2088)	R410A (2088)	R410A (2088)	R410A (2088)	R410A (2088)	
Quantity refrigerant pre-load	Kg	1.7	2.1	2.1	2.4	3.0	3.6	
Tons of CO2 equivalent	t	3.550	4.385	4.385	5.011	6.264	7.517	
Diameter of refrigerant piping on liquid/gas	mm (inches)	2 x ø6.35(1/4") 2 x ø9.52(3/8")	3 x ø6.35(1/4") 3 x ø9.52(3/8")	3 x ø6.35(1/4") 3 x ø9.52(3/8")	4 x ø6.35(1/4") 3 x ø9.52(3/8") + 1 x ø12.74(1/2")	4 x ø6.35(1/4") 3 x ø9.52(3/8") + 1 x ø12.74(1/2")	5 x ø6.35(1/4") 4 x ø9.52(3/8") + 1 x ø12.74(1/2")	
Total splitting length	m	40	60	60	80	80	80	
Max length of a single refrigeration line	m	25	30	30	35	35	35	
Max height difference I.U./O.U.	m	15	15	15	15	15	15	
Max height difference between I.U.	m	10	10	10	10	10	10	
Splitting length without additional load	m	15	22.5	22.5	30	30	37.5	
Additional load	g/m	15	15	15	15	15	15	
Product specifications								
Dimensions	LxDxH	mm	800x333x554	845x363x702	845x363x702	946x410x810	946x410x810	
Net weight	Kg		36.0	47.0	52.7	67.6	76.0	
Sound pressure level	dB(A)		56.5	57.5	59.5	60	63.5	
Sound power level	dB(A)		65	65	69	67	69	
Handled air (Max)	m ³ /h		2100	2700	3500	3800	5500	
Motor power (Input)	W		40	50	50	120	120	

Energy efficiency values refer to the following combinations: HCKU 472 X2 + 2 x HKEU 262 XAL - HCKU 531 X2 + 2 x HKEU 262 XAL - HCKU 601 X3 + 3 x HKEU 262 XAL - HCKU 761 X3 + 3 x HKEU 262 XAL - HCKU 811 X4 + 4 x HKEU 262 XAL - HCKU 1061 X4 + 4 x HKEU 262 XAL - HCKU 1201 X5 + 5 x HKEU 262 XAL.

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V-DESIGN DC INVERTER MULTISPLIT INTERNAL UNITS

Wall HKEU 262-352 XAL-2 Dark silver



Standard remote control
with built-in temperature sensor
(Follow me function)

Model			HKEU 262 XAL-2	HKEU 352 XAL-2
Type			Indoor wall unit	
Control (included)			Remote control	
Rated heating	Cooling	kW	2.64	3.52
	Heating	kW	2.93	3.81
Electrical data				
Power		Ph-V-Hz	-	-
Connection wires between I.U. and O.U.		no.	4	4
Refrigerant circuit				
Diameter of refrigerant piping on liquid/gas		mm (inches)	ø6.35(1/4") - ø9.52(3/8")	ø6.35(1/4") - ø9.52(3/8")
Product specifications				
Dimensions		LxDxH mm	897x182x312	897x182x312
Net weight		Kg	9.5	9.9
Sound pressure level	Hi/Mi/Lo	dB(A)	35/26/21	36/29/22
Sound power level	Hi	dB(A)	51	49
Treated air (High / Med. / Low)		m³/h	400/300/240	500/350/270
Motor power (Output)		W	16	16
Optional parts				
Wi-Fi module			HKM-WiFi	
Wired remote control			NO	
Centralised control			NO	

ACTIVE LINE DC INVERTER MULTISPLIT INTERNAL UNITS

Wall HKEU 263-353-533-713 XAL-1



Standard remote control
with built-in temperature sensor
(Follow me function)

Model			HKEU 263 XAL-1	HKEU 353 XAL-1	HKEU 533 XAL-1	HKEU 713 XAL-1
Type			Indoor wall unit			
Control (included)			Remote control			
Rated heating	Cooling	kW	2.59	3.33	5.37	7.14
	Heating	kW	2.98	3.74	5.52	7.97
Electrical data						
Power		Ph-V-Hz	-	-	-	-
Connection wires between I.U. and O.U.		no.	4	4	4	4
Refrigerant circuit						
Diameter of refrigerant piping on liquid/gas		mm (inches)	ø6.35(1/4") - ø9.52(3/8")	ø6.35(1/4") - ø9.52(3/8")	ø6.35(1/4") - ø12.74(1/2")	ø9.52(3/8") - ø15.88(5/8")
Product specifications						
Dimensions		LxDxH mm	715x194x285	805x194x285	957x213x302	1040x220x327
Net weight		Kg	7.3	7.8	10.5	12
Sound pressure level	Hi/Mi/Lo/ULO	dB(A)	40/34/29.5/22.5	41/36/28/23	42.5/37/33/23.5	45/39/34/25
Sound power level	Hi	dB(A)	53	53	55	59
Treated air (High / Med. / Low)		m³/h	420/320/270	570/470/370	840/680/540	980/800/640
Motor power (Output)		W	16	16	16	16
Optional parts						
Wi-Fi module			HKM-WiFi			
Wired remote control			NO			
Centralised control			NO			

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MULTISPLIT INTERNAL UNITS

Console HFIU 350 ZAL



Standard remote control
with built-in temperature sensor
(Follow me function)

Model			HFIU 350 ZAL
Type			Indoor console unit
Control (included)			Remote control
Rated heating	Cooling	kW	3.49
	Heating	kW	3.78
Electrical data			
Power		Ph-V-Hz	-
Connection wires between I.U. and O.U.		no.	4
Refrigerant circuit			
Diameter of refrigerant piping on liquid/gas		mm (inches)	ø6.35(1/4") - ø9.52(3/8")
Product specifications			
Dimensions		LxDxH	mm
			700x210x600
Net weight			Kg
			14.8
Sound pressure level	Hi/Mi/Lo		dB(A)
			43/41.5/35
Sound power level	Hi		dB(A)
			58
Treated air (High / Med. / Low)			m ³ /h
			512/480/370
Motor power (Output)			W
			16
Optional parts			
Wired remote control			YES
Manual centralized control		Requires NIM-GRH interface	YES
Wi-Fi centralized control			XRV Mobile BMS