RESIDENTIAL AND COMMERCIAL R32, WELL-BEING FOR YOUR HOME

The most demanding customers, attentive to technological developments their benefits and respect for the eviroment, will find a practical solution in the new **RESIDENTIAL AND COMMERCIAL R32** line, which offers a selection of the best the market has to offer for residential installations.

THE **RESPONSIBLE** CHOICE

WELL-BEING FOR **PEOPLE AND THE PLANET**

THE ADVANTAGES OF R32

In this day and age, environmental protection is considered by both users and professionals to be of the utmost importance.

Choosing an air conditioner with the new R32 refrigerant helps achieve excellent comfort in both cooling and heating, reducing polluting emissions.

The most relevant aspect of the R32 gas is its 675 GWP value, which makes it possible to create systems containing up to 7 kg of gas without exceeding the threshold requiring a characteristic leakage control, keeping of the equipment register; a threshold that for a R410A gas has already been surpassed by 2.4 kg of gas.

- Environmentally friendly.
- **Non-toxic**.
- Slightly flammable.
- Not harmful and does not present risks to the ozone.
- Very efficient.

WHY CHOOSE R32?

The specific name of R32 gas is difluoromethane. Currently, it is present among the low-value GWP fluorinated gases, equal to 675, and is used in residential use air conditioning units.

There is no requirement to replace the current R410A gas, which therefore remains regularly on the market, except in monosplit applications with refrigerant <3 kg where the use of gas with GWP<750 will be mandatory for new installations beginning in 2025.

There are certain limitations on particular conditions of use that must be considered in accordance with the regulations in force.

STORAGE, STANDARDS AND DESIGN

When storing units containing R32, it may be necessary to revise the Fire Prevention Certificate depending on the quantities stored, to guarantee the validity of its insurance coverage (Presidential Decree 151/2011). The transport of dangerous goods is regulated by Leg. Decree 35/2010. R32 has been classified as slightly flammable by ISO 817 and as such has no stringent restrictions on road transport (ADR in force), maintaining a strict regulation in maritime (IMDG in force) and aeronautical (IATA in force) transport.

The EN 378:2016 standard also regulates the applications of appliances using R32 gas. The maximum concentration limits of gas in residential applications must always be verified, with particular regard to multisplit systems that can potentially concentrate high quantities of refrigerant in small-sized environments (in case of leakage). **R32 gas is heavier than air and accumulates in the event of a leak**. Indoor units therefore follow different normative parameters depending on the type of application.

Installation in public buildings is regulated by specific standards concerning the application of appliances with flammable gases, such as: Min. Decree for Hotels 09/04/1994, Min. Decree for shopping centres 27/07/2010, Min. Decree for buildings for public entertainment 19/08/1996, Min. Decree for hospitals 18/09/2012, Min. Decree for schools 26/08/1992, Min. Decree for offices 22/02/2006, Min. Decree for games for children 16/07/2014, Min. Decree for airports 07/07/2014, Min. Decree for interports 18/07/2014.

The design, installation and maintenance of appliances with R32 gas are regulated by the following standards: Ministerial Decree 37/2008 provisions concerning the installation of plants inside buildings, Leg. Decree 81/2008 text on health and safety at work, F-gas 517/2014 regulation of fluorinated gases, Presidential Decree 151/2011 governing the procedures relating to fire prevention, EN 378:2016 refrigeration systems and heat pumps (requirements for plant safety).

With Ministerial Decree of 10 March 2020 and the subsequent Circular DCPREV 9833 of 22 July 2020 by the Fire Brigade, the technical provisions are updated allowing the possibility of using machines equipped with A1 or A2L classified refrigerants in air conditioning systems, thus overcoming the restriction of using only non-toxic or non-flammable fluids.

A scrupulous check of existing regulations is however recommended when using equipment containing R32 gas. Failure to comply with these regulations means that designers and installers of R32 equipment assume direct legal responsibility for application of the equipment.

SIMPLIFY YOUR LIFESTYLE

HOKKAIDO WIFI SYSTEMS

HKM-WIFI | HKM-WIFI-TB

ACTIVE LIFESTYLES

Hokkaido Wi-Fi can communicate with your air conditioning system, letting you regulate the climate in your home while you carry out your day-to-day activities. Have you set your air conditioning system to turn on when you get home from work but then you decide to go out for dinner? With the Hokkaido Wi-Fi App, you can easily change the timer or turn the air conditioning system on/off remotely, saving money.

EXPERT SAVERS

Hokkaido Wi-Fi functions help you save money and energy. Did you ever go back home and it was too hot or too cold, and you had to turn the air conditioning system on at maximum? You can use the Hokkaido App to turn on the air conditioning system while you're on your way back home to gradually heat or cool it before you get there. Same results, greater savings.

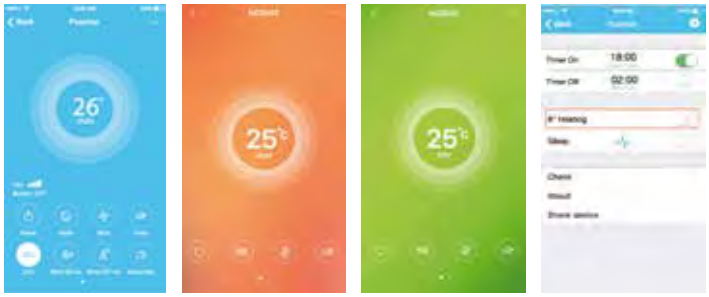
WIFI SYSTEMS FOR ALL NEEDS

Hokkaido provides of different Wi-Fi systems that can be controlled from the same app, depending on the type of indoor unit chosen by the user:

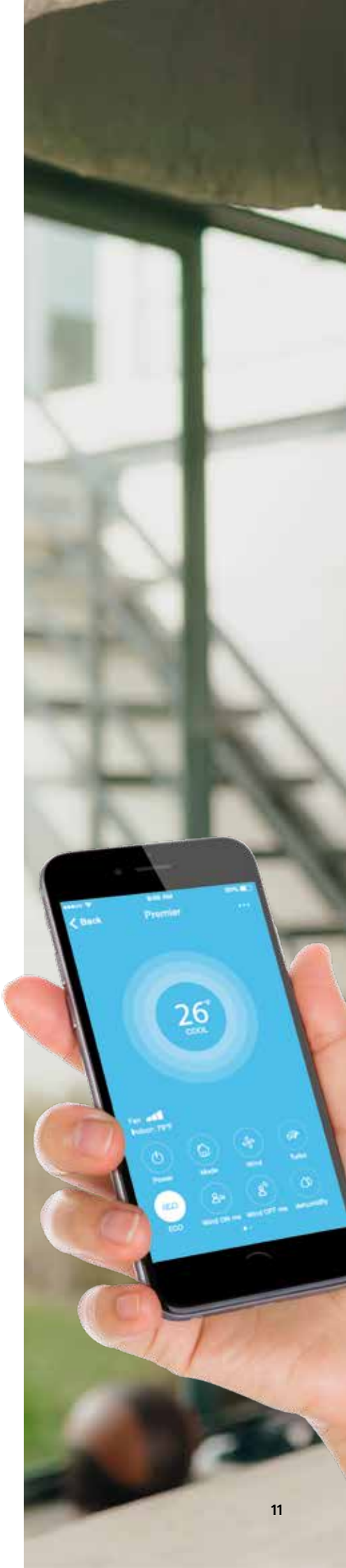
- **HKM-WIFI**: for residential wall-mounted indoor units.
- **HKM-WIFI-TB**: for commercial indoor units slim cassette.

Available for Android devices from the Google Play Store.

Some examples of screens from iOs devices



Available for iOS devices from the Apple App Store.



ARASHI
EFFICIENCY & HEALTH

LOW CONSUMPTION

A++ in cooling

A+ in heating

ALL-AROUND COMFORT

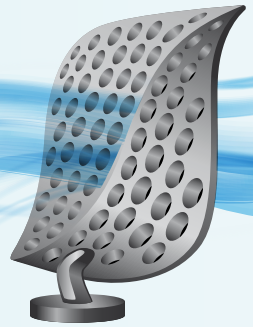
New air distribution louvers

Proprietary, patented technology gives new shape to the air outlet louvers.

The characteristic leaf shape and the perforated surface ensure even, gentle air distribution throughout the room. A cool caress in summer, a warm embrace in winter.

ONLY 22 dB | very quiet operation

(models HKETM 261 ZAL-1 and HKETM 351 ZAL-1)



EXTREMELY HIGH PERFORMANCE UNDER EXTREME CONDITIONS

53°C

ARASHI cools up to 53°C outside

-20°C

ARASHI heats down to -20°C outside

LOW CORROSION THANKS TO THE BLUE FIN TREATMENT

The coating of the heat exchanger fins guarantees effective anticorrosive protection.

WIFI INCLUDED

SMARTLIFE-SMARTHOME

An app that controls and manages the climate in your home, simply and intelligently. Available for Android and iOS.

Refer to the technical instructions for the configuration of the APP.

Commercially available voice control device (third party).

SMART MANAGEMENT WITH WIFI

the convenience of setting the temperature when you're out, for the utmost comfort when you finally get back home.

ARASHI
AIR TREATMENT

BREATHE CLEAN AIR IN YOUR HOME

ARASHI is equipped with a combined action filter system.

6-in-1 filtration system

Generates the following combined effects:
- o purifies and deodorises the air (photocatalysis);
- o filters out pollen, bacteria and odours (activated carbon);
- o purifies and prevents the spread of viruses and bacteria thanks to the green tea properties (catechin);
- o eliminates 90% of bacteria (silver ions);
- o eliminates harmful dust (anti-dust);
- o has an antioxidant effect (vitamin C).

HD (high density) filter

Located on top of the unit, easily removed from its housing, it traps dust and hair. Easy to clean.

A SANITISATION SYSTEM EFFECTIVE AGAINST VIRUSES AND BACTERIA

>98.66%

The UVC sterilization system can inactivate and reduce the concentration of bacteria by up to 98.66% in 1 hour.

UVC sterilization

ARASHI is equipped with a UVC sterilization system that uses ultraviolet rays to neutralise airborne viruses and bacteria.

NEUTRALISES VIRUSES AND BACTERIA damaging their proteins and DNA.

UVC RADIATION frequency 240/280 nm.

Scientific research has proven that COVID-19, as well as many other viruses, is vulnerable to ultraviolet radiation (UV). The new Hokkaido model, ARASHI, emits UV radiations to one side of the exchanger. The continuous stream of air through the exchanger allows therefore to reduce the quantity of viruses and bacteria in the environment.

B.I.G. Care system

This bipolar system is built into the ARASHI unit to generate and distribute active ions in the air. The ions remove allergens, pollen, mould, smoke, unpleasant odours and dust. The ionised air neutralises germs, viruses and bacteria.

Self-Clean function

This remote control-activated function self-cleans the heat exchanger, drying it of any residual condensation. It prevents the formation of mould and unpleasant odours. The unit sterilization process is carried out at 56oC, guaranteeing the neutralisation of 93.18% of the bacteria inside.

KAITEKI
COMFORT AND SAVINGS

KAITEKI is a silent heat pump air conditioner that offers the utmost comfort in all seasons.

Freely and intuitively control the air flow, directing the air distribution louvers horizontally and vertically. The system remembers the last setting made when the air conditioner is switched back on.

ONLY 22 dB | very quiet operation (mod. 2.60/3.40 kW)

22dB(A)
decibels in ULow mode

LOW CONSUMPTION

KAITEKI meets all your needs with simplicity and efficiency in A++ and A+ class.

A++ **in cooling**

A+ **in heating**

KAITEKI
QUALITY THAT LASTS

Turbo function

Helps reach the temperature you want quickly at start-up.

Bluefin treatment

Heat exchanger efficiency is protected from the aggression of external elements, such as salty air in maritime areas.

Bluefin treatment increases corrosion resistance and protects against UV radiation.

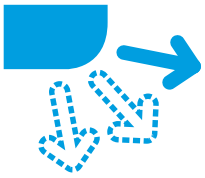
THE TEMPERATURE YOU WANT, WHERE YOU WANT IT

Detects the room temperature from the remote control, thus enabling the desired climate to be reached at a specific point in the room, quickly and with the utmost comfort.

FUNCTIONAL FEATURES
HOKKAIDO MODELS

Refrigerant leak detection

Active in cooling mode only. It identifies compressor malfunctions following a refrigerant leak.



Louver position memory

Is switched back on, this function allows the horizontal deflector to maintain the same angle tilt used and stored during the last machine use.

24H timer

This function allows users to select when to turn on and/or off the air conditioner on a daily basis, either via remote (standard) or via Wi-Fi (Arashi).

Sleep mode

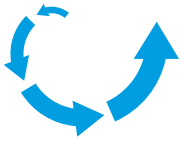
Reduces consumption at night.
In cooling mode, the system increases the room temperature by 2° C within 2 hours (in heating mode the system lowers the temperature by 2° C). At the end of the 2 hours, the indoor unit runs at low speed. The system maintains the temperature for the next 5 hours.

Silence mode

This function minimises the operating speed of the outdoor unit compressor so as to reduce noise and energy consumption to minimum.

The temperature sensor is in the remote control

The Follow-me function activates a temperature sensor in the remote control, which lets you adjust the climate according to your location. This makes it possible to adjust the air conditioner operation to different room conditions.



Turbo function

The unit runs at full speed to quickly reach the temperature in cooling or heating mode.

Autorestart function

Resets pre-defined settings after a blackout.

R32 MONOSPLIT

kW		2.60	3.50	5.30	7.10	10.80	14.00	16.00
ARASHI								
Wall		HKETM ZAL-1	HKETM ZAL-1	HKETM ZAL-1	HKETM ZAL-1			
KAITEKI								
Wall		HKETM ZAL	HKETM ZAL	HKETM ZAL	HKETM ZAL			
ACTIVE LINE								
Wall		HKEU ZAL	HKEU ZAL-1	HKEU ZAL	HKEU ZAL			
COMMERCIAL								
Compact cassette			HTFU ZAL	HTFU ZAL				
Slim cassette 84x84					HTBI ZA	HTBI ZA	HTBI ZA	HTBI ZA
Ducted with medium static pressure			HUCU ZAL	HUCU ZAL	HUCI ZA	HUCI ZA	HUCI ZA	HUCI ZA
Floor/ceiling				HSFU ZAL	HSFI ZA1	HSFI ZA1	HSFI ZA1	HSFI ZA1
Outdoor units wall ARASHI and KAITEKI								
Outdoor units wall ACTIVE Outdoor units commercial								

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

ARASHI DC INVERTER

Wall HKETM 261-351-531-711 ZAL-1

Remote control included as standard

	SEER	SCOP
2.60 kW	6.30/A++	4.00/A+
3.40 kW	6.10/A++	4.00/A+
5.10 kW	6.10/A++	4.00/A+
6.84 kW	6.50/A++	4.00/A+

-15~53° C in cooling
-20~30° C in heating
22 dB(A) extremely quiet (2.60/3.40)
5 fan speeds

SMARTLIFE-SMARTHOME
An app that simply controls and manages the climate in your home

Wi-Fi included

Indoor unit model			HKETM 261 ZAL-1	HKETM 351 ZAL-1	HKETM 531 ZAL-1	HKETM 711 ZAL-1
Outdoor unit model			HCNTS 261 ZA	HCNTS 351 ZA	HCNTS 531 ZA	HCNTS 711 ZA
Type			DC-Inverter heat pump			
Control (included)			Remote control			
Rated capacity (T=+35°C)	Cooling	kW	2.60 (0.94~3.30)	3.40 (1.00~3.77)	5.10 (1.25~5.90)	6.84 (1.83~7.82)
Rated absorbed power (T=+35°C)		kW	0.80 (0.24~1.38)	1.05 (0.29~1.50)	1.57 (0.33~2.35)	2.10 (0.41~2.80)
Rated energy efficiency coefficient		EER[3]	3.24	3.24	3.24	3.24
Seasonal energy efficiency class		626/2011[1]	A++	A++	A++	A++
Seasonal energy efficiency index		SEER[2]	6.30	6.10	6.10	6.50
Annual energy consumption		kWh/a	144	195	293	366
Theoretical load (Pdesignc)		kW	2.60	3.40	5.10	6.80
Rated capacity (T=+7°C)	Heating	kW	2.63 (0.94~3.36)	3.43 (1.00~3.81)	5.13 (1.25~6.08)	7.05 (1.85~7.96)
Rated absorbed power (T=+7°C)		kW	0.71 (0.24~1.55)	0.92 (0.29~1.73)	1.38 (0.34~2.55)	1.90 (0.42~3.00)
Rated energy performance coefficient		COP[3]	3.73	3.71	3.71	3.71
Energy efficiency class (average season)		626/2011[1]	A+	A+	A+	A+
Seasonal energy efficiency class index (average season)		SCOP[2]	4.00	4.00	4.00	4.00
Annual energy consumption		kWh/a	735	840	1330	1995
Theoretical load (Pdesignh) @-10°C		kW	2.10	2.40	3.80	5.70
Operating limits (outside temperature)	Cooling	°C	-15~53			
	Heating	°C	-20~30			
Electrical data						
Power supply	Outdoor unit	Ph-V-Hz	1Ph - 220/240V - 50Hz			
Power cable		Type	3 x 2.5 mm²		3 x 4 mm²	
Connection wires between I.U. and O.U.		no.	4	4	4	4
Absorbed current	Cooling	A	4.70 (1.20~8.00)	5.10 (1.50~9.00)	8.20 (1.70~12.00)	9.80 (2.30~13.00)
	Heating	A	4.20 (1.20~9.00)	4.70 (1.50~10.00)	7.20 (1.70~13.00)	8.60 (2.30~14.00)
Maximum current		A	9.00	10.00	13.00	14.00
Maximum absorbed power		kW	1.55	1.73	2.55	3.00
Refrigerant circuit						
Refrigerant (GWP)[4]			R32 (675)	R32 (675)	R32 (675)	R32 (675)
Quantity refrigerant pre-load		Kg	0.55	0.55	1.00	1.11
Tons of CO2 equivalent		t	0.371	0.371	0.675	0.749
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") - ø9.52(3/8")	ø6.35(1/4") - ø12.74(1/2")
Max splitting length		m	25	25	25	25
Max height difference I.U./O.U.		m	10	10	10	10
Split length without additional charge		m	5	5	5	5
Additional load		g/m	15	15	25	25
Indoor unit specifications						
Dimensions	LxDxH	mm	790x192x275	790x192x275	920x195x306	1100x222x333
Net weight		Kg	8.5	8.5	11	14
Sound pressure level (I.U.)	SHi/Hi/Me/Lo/ULo	dB(A)	41/37/33/25/22	41/37/33/25/22	43/41/38/35/27	47/42/38/34/31
Sound power level (I.U.)	Hi	dB(A)	51	51	54	58
Treated air volume	Hi	m³/h	560	560	820	1100
Specifications of outdoor units						
Dimensions	LxDxH	mm	777x290x498	777x290x498	853x349x602	920x380x699
Net weight		Kg	24	24	35	40
Sound pressure level (O.U.)		dB(A)	50	50	55	57
Sound power level (O.U.)		dB(A)	60	60	65	68
Treated air (Max)		m³/h	1900	1900	2600	3000
Optional parts						
Wired remote control			NO			
Centralized control			NO			
Wi-Fi module			INCLUDED			

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.

KAITEKI DC INVERTER

Wall HKETM 260-350-530-710 ZAL

Remote control included as standard

	SEER	SCOP
2.60 kW	6.30/A++	4.00/A+
3.40 kW	6.10/A++	4.00/A+
5.10 kW	6.10/A++	4.00/A+
6.81 kW	6.10/A++	4.00/A+

-15~53° C in cooling
-20~30° C in heating
22 dB(A) extremely quiet (2.60/3.40)
5 fan speeds

Indoor unit model			HKETM 260 ZAL	HKETM 350 ZAL	HKETM 530 ZAL	HKETM 710 ZAL
Outdoor unit model			HCNTS 260 ZA	HCNTS 350 ZA	HCNTS 530 ZA	HCNTS 710 ZA
Type			DC-Inverter heat pump			
Control (included)			Remote control			
Rated capacity (T=+35°C)	Cooling	kW	2.60 (0.94~3.35)	3.40 (1.00~3.77)	5.10 (1.25~5.90)	6.81 (1.83~7.80)
Rated absorbed power (T=+35°C)		kW	0.79 (0.24~1.38)	1.13 (0.29~1.50)	1.58 (0.33~2.35)	2.26 (0.41~2.82)
Rated energy efficiency coefficient		EER[3]	3.30	3.01	3.23	3.02
Seasonal energy efficiency class		626/2011[1]	A++	A++	A++	A++
Seasonal energy efficiency index		SEER[2]	6.30	6.10	6.10	6.10
Annual energy consumption		kWh/a	144	195	293	390
Theoretical load (Pdesignc)		kW	2.60	3.40	5.10	6.80
Rated capacity (T=+7°C)	Heating	kW	2.75 (0.94~3.38)	3.42 (1.00~3.81)	5.13 (1.25~6.08)	6.87 (1.85~7.90)
Rated absorbed power (T=+7°C)		kW	0.73 (0.24~1.55)	0.92 (0.29~1.72)	1.38 (0.34~2.54)	2.06 (0.42~3.01)
Rated energy performance coefficient		COP[3]	3.75	3.71	3.71	3.33
Energy efficiency class (average season)		626/2011[1]	A+	A+	A+	A+
Seasonal energy efficiency class index (average season)		SCOP[2]	4.00	4.00	4.00	4.00
Annual energy consumption		kWh/a	735	840	1575	1680
Theoretical load (Pdesignh) @-10°C		kW	2.10	2.40	4.50	4.80
Operating limits (outside temperature)	Cooling	°C	-15~53			
	Heating	°C	-20~30			
Electrical data						
Power supply	Outdoor unit	Ph-V-Hz	1Ph - 220/240V - 50Hz			
Power cable		Tipo	3 x 2.5 mm²		3 x 4 mm²	
Connection wires between I.U. and O.U.		n°	4	4	4	4
Absorbed current	Cooling	A	4.10 (1.20~8.00)	5.80 (1.50~9.00)	8.10 (1.70~12.00)	10.70 (2.30~12.30)
	Heating	A	3.80 (1.20~9.00)	4.70 (1.50~10.00)	7.10 (1.70~13.00)	9.90 (2.30~13.50)
Maximum current		A	9.00	10.00	13.00	13.50
Maximum absorbed power		kW	1.55	1.72	2.54	3.01
Refrigerant circuit						
Refrigerant (GWP)[4]			R32 (675)	R32 (675)	R32 (675)	R32 (675)
Quantity refrigerant pre-load		Kg	0.55	0.55	0.92	1.14
Tons of CO2 equivalent		t	0.371	0.371	0.621	0.770
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") - ø9.52(3/8")	ø6.35(1/4") - ø12.74(1/2")
Max splitting length		m	25	25	25	25
Max height difference I.U./O.U.		m	10	10	10	10
Split length without additional charge		m	5	5	5	5
Additional load		g/m	15	15	25	25
Indoor unit specifications						
Dimensions	LxDxH	mm	777x201x250	777x201x250	910x206x294	1010x220x315
Net weight		Kg	8	8	10	13
Sound pressure level (I.U.)	SHi/Hi/Me/Lo/ULo	dB(A)	40/37/33/25/22	40/37/33/25/22	43/41/38//35/27	44/41/38/34/30
Sound power level (I.U.)	Hi	dB(A)	50	50	53	54
Treated air volume	Hi	m³/h	550	550	800	980
Specifications of outdoor units						
Dimensions	LxDxH	mm	777x290x498	777x290x498	853x349x602	920x380x699
Net weight		Kg	24	24	35	40
Sound pressure level (O.U.)		dB(A)	50	50	55	57
Sound power level (O.U.)		dB(A)	60	60	65	67
Treated air (Max)		m³/h	1900	1900	2600	3000
Optional parts						
Wired remote control			NO			
Centralized control			NO			
Wi-Fi module			NO			

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ACTIVE LINE DC INVERTER

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

	SEER	SCOP
2.64 kW	6.30/A++	4.00/A+
3.52 kW	6.10/A++	4.00/A+
5.28 kW	7.10/A++	4.00/A+
7.03 kW	6.10/A++	4.00/A+

Remote control included as standard

-15~50° C in cooling
-15~30° C in heating
25 dB(A) extremely quiet (2.64/3.52/5.28)

optional Wi-Fi

Indoor unit model			HKEU 263 ZAL	HKEU 353 ZAL-1	HKEU 533 ZAL	HKEU 713 ZAL
Outdoor unit model			HCNMX 263 ZA	HCNMX 353 ZA	HCNI 533 ZA	HCNI 713 ZA
Type			DC-Inverter heat pump			
Control (included)			Remote control			
Rated capacity (T=+35°C)	Cooling	kW	2.64 (0.91~3.40)	3.52 (1.11~4.16)	5.28 (1.82~6.13)	7.03 (2.08~7.95)
Rated absorbed power (T=+35°C)		kW	0.73 (0.10~1.24)	1.21 (0.13~1.58)	1.54 (0.14~2.36)	2.35 (0.16~2.96)
Rated energy efficiency coefficient		EER[3]	3.62	2.91	3.43	2.99
Seasonal energy efficiency class		626/2011[1]	A++	A++	A++	A++
Seasonal energy efficiency index		SEER[2]	6.30	6.10	7.10	6.10
Annual energy consumption		kWh/a	156	221	256	412
Theoretical load (Pdesignc)		kW	2.80	3.60	5.20	7.00
Rated capacity (T=+7°C)	Heating	kW	2.93 (0.82~3.37)	3.81 (1.08~4.22)	5.57 (1.38~6.74)	7.33 (1.61~8.79)
Rated absorbed power (T=+7°C)		kW	0.73 (0.12~1.20)	1.09 (0.10~1.68)	1.48 (0.20~2.41)	2.04 (0.26~3.14)
Rated energy performance coefficient		COP[3]	4.01	3.50	3.76	3.59
Energy efficiency class (average season)		626/2011[1]	A+	A+	A+	A+
Seasonal energy efficiency class index (average season)		SCOP[2]	4.00	4.00	4.00	4.00
Annual energy consumption		kWh/a	910	945	1435	1697
Theoretical load (Pdesignh) @-10°C		kW	2.60	2.70	4.10	4.80
Operating limits (outside temperature)	Cooling	°C	-15~50			
	Heating	°C	-15~30			
Electrical data						
Power supply	Outdoor unit	Ph-V-Hz	1Ph - 220/240V - 50Hz			
Power cable		Type	3 x 2.5 mm²		3 x 4 mm²	
Connection wires between I.U. and O.U.		no.	5	5	5	5
Absorbed current	Cooling	A	3.20 (0.40~5.40)	5.30 (0.50~6.90)	6.90 (0.60~10.30)	10.20 (0.70~13.30)
	Heating	A	3.20 (0.50~5.20)	4.70 (0.40~6.90)	6.40 (0.90~10.50)	10.20 (1.10~13.30)
Maximum current		A	10.00	10.00	13.50	17.50
Maximum absorbed power		kW	2.15	2.15	2.95	3.85
Refrigerant circuit						
Refrigerant (GWP)[4]			R32 (675)	R32 (675)	R32 (675)	R32 (675)
Quantity refrigerant pre-load		Kg	0.55	0.55	1	1.6
Tons of CO2 equivalent		t	0.371	0.371	0.675	1.080
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")
Max splitting length		m	25	25	30	50
Max height difference I.U./O.U.		m	10	10	20	25
Split length without additional charge		m	5	5	5	5
Additional load		g/m	12	12	12	24
Indoor unit specifications						
Dimensions	LxDxH	mm	805x194x285	805x194x285	957x213x302	1040x220x327
Net weight		Kg	7.6	7.6	10	12.3
Sound pressure level (I.U.)	Hi/Mi/Lo	dB(A)	38.5/32/25	40.5/34.5/25	44/37/25	44.5/42/28
Sound power level (I.U.)	Hi	dB(A)	54	55	55	59
Treated air volume	Hi/Mi/Lo	m³/h	466/360/325	540/430/314	840/680/540	980/817/662
Motor power (Output)		W	40	40	36	58
Diameter of condensate drain		mm	-	-	-	-
Specifications of outdoor units						
Dimensions	LxDxH	mm	720x270x495	720x270x495	800x333x554	845x363x702
Net weight		Kg	23.2	23.2	34	51.5
Sound pressure level (O.U.)		dB(A)	55.5	56	56	59.5
Sound power level (O.U.)		dB(A)	62	63	61	67
Treated air (Max)		m³/h	1750	1800	2500	3000
Motor power (Output)		W	-	-	63	115
Optional parts						
Wired remote control			NO			
Centralized control			NO			
Wi-Fi module			HKM-WIFI			

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COMPACT CASSETTE 60x60

HTFU 351-531 ZAL

	SEER	SCOP
3.52 kW	6.60/A++	4.10/A+
5.28 kW	6.30/A++	4.00/A+

8-ways
TFP 200 ZA
panel with 360° air diffusion

Remote control included as standard

-15~50° C in cooling
-15~24° C in heating

Pre-set for external air inlet

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

Wi-Fi optional

Indoor unit model			HTFU 351 ZAL	HTFU 531 ZAL
Outdoor unit model			HCKI 351 ZA	HCKI 531 ZA
Type			FULL DC-Inverter heat pump	
Control (included)			Remote control	
Rated capacity (T=+35°C)		kW	3.52 (0.85~4.11)	5.28 (2.90~5.59)
Rated absorbed power (T=+35°C)		kW	1.01 (0.17~1.43)	1.63 (0.72~2.09)
Rated energy efficiency coefficient		EER[3]	3.49	3.23
Seasonal energy efficiency class	Cooling	626/2011[1]	A++	A++
Seasonal energy efficiency index		SEER[2]	6.60	6.30
Annual energy consumption		kWh/a	186	294
Theoretical load (Pdesignc)		kW	3.50	5.30
Rated capacity (T=+7°C)		kW	3.81 (0.47~4.31)	5.57 (2.37~6.10)
Rated absorbed power (T=+7°C)		kW	1.02 (0.12~1.38)	1.54 (0.70~1.93)
Rated energy performance coefficient		COP[3]	3.74	3.62
Energy efficiency class (average season)	Heating	626/2011[1]	A+	A+
Seasonal energy efficiency class index (average season)		SCOP[2]	4.10	4.00
Annual energy consumption		kWh/a	922	1470
Theoretical load (Pdesignh) @-10° C		kW	2.70	4.20
Operating limits (outside temperature)	Cooling	°C	-15~50	
	Heating	°C	-15~24	
Electrical data				
Power supply	Outdoor unit	Ph-V-Hz	1-220~240V-50HZ	
Power cable		Type	3 x 2.5 mm²	3 x 4.0 mm²
Connection wires between I.U. and O.U.		no.	4	4
Rated absorbed current (min~max)	Cooling	A	4.50 (1.30~6.30)	7.20 (3.20~9.20)
	Heating	A	4.70 (1.00~6.10)	6.80 (3.10~8.50)
Maximum current		A	9.00	13.50
Maximum absorbed power		kW	1.85	2.95
Refrigerant circuit				
Refrigerant (GWP)[4]			R32 (675)	R32 (675)
Quantity refrigerant pre-load		Kg	0.72	1.15
Tons of CO2 equivalent		t	0.486	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	570x570x260	570x570x260
Net weight		Kg	16.3	16.5
Sound pressure level (I.U.)	Hi/Mi/Lo/ULo	dB(A)	41/36/33/25.5	43/39.5/35.5/29
Sound power level (I.U.)	Hi	dB(A)	56	57
Treated air volume	Hi/Mi/Lo	m³/h	620/510/420	720/620/500
Motor power (Output)		W	46	46
Outside diameter of condensate drain		mm	ø25	ø25
Specifications of outdoor units				
Dimensions	LxDxH	mm	765x303x555	805x330x554
Net weight		Kg	26.6	32.5
Sound pressure level / Sound power level (O.U.)		dB(A)	53.6 / 61	56 / 65
Treated air (Max)		m³/h	2200	2100
Motor power (Output)		W	34	34
Accessories				
Decorative panel			TFP 200 ZA	
Dimensions	LxDxH	mm	647x647x50	
Net weight		Kg	2.5	
Optional parts				
Wired remote control and manual centralized control			DHW-WT-ZA	
Wi-Fi centralized control			XRV Mobile BMS	

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SLIM CASSETTE 84x84

HTBI 711-1081-1401-1601 ZA

Remote control included as standard

	SEER	SCOP
7.03 kW	6.20/A++	4.00/A+
10.55 kW	6.40/A++	4.00/A+
14.07 kW	6.10/A++	4.00/A+
15.24 kW	6.30/A++	4.00/A+

-15~50° C in cooling
-15~24° C in heating

8-ways TBP 711 ZA panel

Pre-set for external air inlet

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

Wi-Fi optional

Indoor unit model			HTBI 711 ZA	HTBI 1081 ZA	HTBI 1401 ZA	HTBI 1601 ZA
Outdoor unit model			HCKI 711 ZA	HCSI 1081 ZA	HCSI 1401 ZA	HCSI 1601 ZA
Type			FULL DC-Inverter heat pump			
Control (included)			Remote control			
Rated capacity (T=+35°C)		kW	7.03 (3.30~7.91)	10.55 (2.70~11.43)	14.07 (3.52~15.83)	15.24 (4.10~16.71)
Rated absorbed power (T=+35°C)		kW	2.32 (0.78~2.75)	4.00 (0.89~4.15)	4.65 (0.80~5.90)	5.00 (0.98~6.20)
Rated energy efficiency coefficient		EER[3]	3.03	2.64	3.03	3.05
Seasonal energy efficiency class	Cooling	626/2011[1]	A++	A++	A++	A++
Seasonal energy efficiency index		SEER[2]	6.20	6.40	6.10	6.30
Annual energy consumption		kWh/a	395	574	803	850
Theoretical load (Pdesignc)		kW	7.00	10.50	14.00	15.30
Rated capacity (T=+7°C)		kW	7.62 (2.81~8.94)	11.14 (2.78~12.30)	16.12 (4.10~17.29)	18.17 (4.40~19.93)
Rated absorbed power (T=+7°C)		kW	1.90 (0.61~2.70)	3.00 (0.78~4.00)	4.58 (0.90~5.50)	5.55 (1.02~6.70)
Rated energy performance coefficient		COP[3]	4.01	3.71	3.52	3.27
Energy efficiency class (average season)	Heating	626/2011[1]	A+	A+	A+	A+
Seasonal energy efficiency class index (average season)		SCOP[2]	4.00	4.00	4.00	4.00
Annual energy consumption		kWh/a	2100	2870	3850	4165
Theoretical load (Pdesignh) @-10° C		kW	6.00	8.20	11.00	11.90
Operating limits (outside temperature)	Cooling	°C	-15~50			
	Heating	°C	-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 mm²	5 x 2.5 mm²	5 x 4 mm²	5 x 4 mm²
Connection wires between I.U. and O.U.		no.	4	4	4	4
Rated absorbed current (min~max)	Cooling	A	10.20 (4.20~12.00)	6.50 (1.40~6.50)	8.10 (1.80~10.20)	8.60 (2.10~10.70)
	Heating	A	8.50 (3.60~12.10)	5.00 (1.30~6.40)	8.00 (1.90~9.50)	9.60 (2.10~10.70)
Maximum current		A	19.00	10.00	13.00	14.00
Maximum absorbed power		kW	3.70	5.00	6.90	7.50
Refrigerant circuit						
Refrigerant (GWP)[4]			R32 (675)			
Quantity refrigerant pre-load		Kg	1.5	2.4	2.9	3
Tons of CO2 equivalent		t	1.013	1.620	1.958	2.025
Diameter of refrigerant piping on liquid/gas		mm (inches)	ø9.52(3/8") - ø15.88(5/8")			
Max splitting length		m	50	75	75	75
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	24	24	24	24
Indoor unit specifications						
Dimensions	LxDxH	mm	830x830x205	830x830x245	830x830x287	830x830x287
Net weight		Kg	21.6	27.2	29.3	29.3
Sound pressure level (I.U.)	Hi/Mi/Lo/ULo	dB(A)	45.5/42.5/39.5/27	50/47.5/44.5/39	51/48.5/46.5/37.5	53/50.5/48/40
Sound power level (I.U.)	Hi	dB(A)	57	63	65	65
Treated air volume	Hi/Mi/Lo	m³/h	1300/1140/1000	1700/1550/1380	1970/1780/1580	2000/1850/1650
Motor power (Output)		W	45	125	125	125
Outside diameter of condensate drain		mm	ø25	ø25	ø25	ø25
Specifications of outdoor units						
Dimensions	LxDxH	mm	890x342x673	946x410x810	952x415x1333	952x415x1333
Net weight		Kg	43.9	66.9	103.7	107
Sound pressure level / Sound power level (O.U.)		dB(A)	60 / 67	63 / 70	63.5 / 73	64 / 74
Treated air (Max)		m³/h	3500	4000	7500	7500
Motor power (Output)		n° x W	1 x 80	1 x 120	2 x 85	2 x 85
Accessories						
Decorative panel			TBP 711 ZA			
Dimensions	LxDxH	mm	950x950x55	950x950x55	950x950x55	950x950x55
Net weight		Kg	6	6	6	6
Optional parts						
Wi-Fi module			HKM-WIFI-TB			
Wired remote control and manual centralized control			DHW-WT-ZA			
Wi-Fi centralized control			XRV Mobile BMS			

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DUCTED WITH MEDIUM STATIC PRESSURE

HUCU 351-531 ZAL

	SEER	SCOP
3.52 kW	6.30/A++	4.00/A+
5.28 kW	6.50/A++	4.00/A+

Wired remote control included

-15~50° C in cooling
-15~24° C in heating

100 Pa | Automatic adjustment of the static pressure of the fan at constant flow rate

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

Compatible with systems AIRZONE

Wi-Fi optional

Indoor unit model			HUCU 351 ZAL	HUCU 531 ZAL
Outdoor unit model			HCKI 351 ZA	HCKI 531 ZA
Type			FULL DC-Inverter heat pump	
Control (included)			Wired remote	
Rated capacity (T=+35°C)	Cooling	kW	3.52 (0.53~3.99)	5.28 (2.55~5.86)
Rated absorbed power (T=+35°C)		kW	1.05 (0.16~1.37)	1.53 (0.71~2.15)
Rated energy efficiency coefficient		EER[3]	3.34	3.45
Seasonal energy efficiency class		626/2011[1]	A++	A++
Seasonal energy efficiency index		SEER[2]	6.30	6.50
Annual energy consumption		kWh/a	194	291
Theoretical load (Pdesignc)		kW	3.50	5.40
Rated capacity (T=+7°C)	Heating	kW	3.81 (1.00~4.39)	5.57 (2.20~6.15)
Rated absorbed power (T=+7°C)		kW	1.04 (0.30~1.39)	1.51 (0.74~1.76)
Rated energy performance coefficient		COP[3]	3.67	3.69
Energy efficiency class (average season)		626/2011[1]	A+	A+
Seasonal energy efficiency class index (average season)		SCOP[2]	4.00	4.00
Annual energy consumption		kWh/a	945	1505
Theoretical load (Pdesignh) @-10° C		kW	2.70	4.30
Operating limits (outside temperature)	Cooling	°C	-15~50	
	Heating	°C	-15~24	
Electrical data				
Power supply	Outdoor unit	Ph-V-Hz	1-220~240V-50HZ	
Power cable		Type	3 x 2.5 mm²	3 x 4 mm²
Connection wires between I.U. and O.U.		no.	4	4
Rated absorbed current (min~max)	Cooling	A	4.80 (1.30~6.10)	7.10 (3.20~9.60)
	Heating	A	4.50 (1.50~6.20)	6.80 (3.30~7.70)
Maximum current		A	9.00	13.50
Maximum absorbed power		kW	1.85	2.95
Refrigerant circuit				
Refrigerant (GWP)[4]			R32 (675)	
Quantity refrigerant pre-load		Kg	0.72	1.15
Tons of CO2 equivalent		t	0.486	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	700x506x200	880x674x210
Net weight		Kg	17.8	24.4
Sound pressure level (I.U.)	Hi/Mi/Lo/ULo	dB(A)	34.5/30.5/29/23	41/38/34/26
Sound power level (I.U.)	Hi	dB(A)	57	58
Treated air volume	Hi/Mi/Lo	m³/h	600/480/300	911/706.3/515.2
Fan static pressure	Std/Max	Pa	25/60	25/100
Motor power (Output)		W	55	160
Outside diameter of condensate drain		mm	ø25	ø25
Specifications of outdoor units				
Dimensions	LxDxH	mm	765x303x555	805x330x554
Net weight		Kg	26.6	32.5
Sound pressure level / Sound power level (O.U.)		dB(A)	53.6 / 61	56 / 65
Treated air (Max)		m³/h	2200	2100
Motor power (Output)		n° x W	1 x 34	1 x 34
Optional parts				
Manual centralized control			YES	
Wi-Fi centralized control			XRV Mobile BMS	

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DUCTED WITH MEDIUM STATIC PRESSURE

HUCI 711-1081-1401-1601 ZA

Wired remote control included

optional Wi-Fi

	SEER	SCOP
7.03 kW	6.20/A++	4.00/A+
10.55 kW	6.10/A++	4.00/A+
14.07 kW	6.10/A++	4.00/A+
15.24 kW	6.10/A++	4.00/A+

-15~50° C in cooling
-15~24° C in heating

160 Pa | Automatic adjustment of the static pressure of the fan at constant flow rate

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

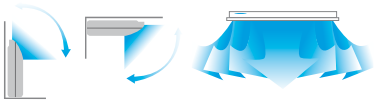
Compatible with systems AIRZONE

Indoor unit model			HUCI 711 ZA	HUCI 1081 ZA	HUCI 1401 ZA	HUCI 1601 ZA
Outdoor unit model			HCKI 711 ZA	HCSI 1081 ZA	HCSI 1401 ZA	HCSI 1601 ZA
Type			FULL DC-Inverter heat pump			
Control (included)			Wired remote			
Rated capacity (T=+35°C)	Cooling	kW	7.03 (3.28~8.16)	10.55 (2.73~11.78)	14.07 (3.52~15.53)	15.24 (4.10~17.29)
Rated absorbed power (T=+35°C)	Cooling	kW	2.19 (0.75~2.96)	4.00 (0.89~4.20)	4.80 (0.88~6.00)	5.25 (1.03~6.65)
Rated energy efficiency coefficient	Cooling	EER[3]	3.21	2.64	2.93	2.90
Seasonal energy efficiency class	Cooling	626/2011[1]	A++	A++	A++	A++
Seasonal energy efficiency index	Cooling	SEER[2]	6.20	6.10	6.10	6.10
Annual energy consumption	Cooling	kWh/a	401	608	803	878
Theoretical load (Pdesignc)	Cooling	kW	7.10	10.60	14.00	15.30
Rated capacity (T=+7°C)	Heating	kW	7.62 (2.81~8.49)	11.72 (2.78~12.84)	16.12 (4.10~18.17)	18.17 (4.40~20.52)
Rated absorbed power (T=+7°C)	Heating	kW	1.90 (0.64~2.58)	3.25 (0.78~4.00)	4.50 (0.95~5.70)	5.15 (0.95~6.60)
Rated energy performance coefficient	Heating	COP[3]	4.01	3.61	3.58	3.53
Energy efficiency class (average season)	Heating	626/2011[1]	A+	A+	A+	A+
Seasonal energy efficiency class index (average season)	Heating	SCOP[2]	4.00	4.00	4.00	4.00
Annual energy consumption	Heating	kWh/a	1890	3080	4025	4375
Theoretical load (Pdesignh) @-10° C	Heating	kW	5.40	8.80	11.50	12.50
Operating limits (outside temperature)	Cooling	°C	-15~50			
	Heating	°C	-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 mm²	5 x 2.5 mm²	5 x 4 mm²	5 x 4 mm²
Connection wires between I.U. and O.U.		no.	4	4	4	4
Rated absorbed current (min~max)	Cooling	A	10.20 (4.20~13.20)	6.50 (1.40~6.70)	8.40 (1.90~10.40)	9.60 (3.10~11.50)
	Heating	A	9.20 (3.80~11.60)	5.30 (1.30~6.40)	8.00 (2.00~9.80)	9.50 (2.00~11.50)
Maximum current		A	19.00	10.00	13.00	14.00
Maximum absorbed power		kW	3.70	5.00	6.90	7.50
Refrigerant circuit						
Refrigerant (GWP)[4]			R32 (675)			
Quantity refrigerant pre-load		Kg	1.5	2.4	2.9	3
Tons of CO2 equivalent		t	1.013	1.620	1.958	2.025
Diameter of refrigerant piping on liquid/gas		mm (inches)	ø9.52(3/8") - ø15.88(5/8")			
Max. splitting length		m	50	75	75	75
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	24	24	24	24
Indoor unit specifications						
Dimensions	LxDxH	mm	1100x774x249	1360x774x249	1200x874x300	1200x874x300
Net weight		Kg	32.3	40.5	47.4	47.6
Sound pressure level (I.U.)	Hi/Mi/Lo/ULo	dB(A)	42/40/37/27	49.5/48/46/42.5	50/49/47/42	52.5/49/47
Sound power level (I.U.)	Hi	dB(A)	61	61	66	66
Treated air volume	Hi/Mi/Lo	m³/h	1229/1035/825	2100/1800/1500	2400/2040/1680	2600/2210/1820
Fan static pressure	Std/Max	Pa	25/160	37/160	50/160	50/160
Motor power (Output)		W	160	300	560	560
Outside diameter of condensate drain		mm	ø25	ø25	ø25	ø25
Specifications of outdoor units						
Dimensions	LxDxH	mm	890x342x673	946x410x810	952x415x1333	952x415x1333
Net weight		Kg	43.9	66.9	103.7	107
Sound pressure level / Sound power level (O.U.)		dB(A)	60 / 67	63 / 70	63.5 / 73	64 / 74
Treated air (Max)		m³/h	3500	4000	7500	7500
Motor power (Output)		n°x W	1 x 80	1 x 120	2 x 85	2 x 85
Optional parts						
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 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.

FLOOR/CEILING

HSFU 531 ZAL - HSFI 711-1081-1401-1601 ZA1



Excellent installation flexibility

Wi-Fi optional

Remote control included as standard

	SEER	SCOP
5.28 kW	6.20/A++	4.00/A+
7.03 kW	6.10/A++	4.00/A+
10.55 kW	6.40/A++	4.10/A+
14.07 kW	6.10/A++	4.00/A+
15.83 kW	6.10/A++	4.00/A+

-15~50° C in cooling
-15~24° C in heating

Indoor unit model			HSFU 531 ZAL	HSFI 711 ZA1	HSFI 1081 ZA1	HSFI 1401 ZA1	HSFI 1601 ZA1
Outdoor unit model			HCKI 531 ZA	HCKI 711 ZA	HCSI 1081 ZA	HCSI 1401 ZA	HCSI 1601 ZA
Type			DC-Inverter heat pump				
Control (included)			Remote control				
Rated capacity (T=+35°C)		kW	5.28 (2.71~5.86)	7.03 (3.22~7.77)	10.55 (2.73~11.78)	14.07 (3.52~15.24)	15.83 (4.10~16.71)
Rated absorbed power (T=+35°C)		kW	1.45 (0.67~2.03)	2.30 (0.75~2.93)	4.00 (0.89~4.30)	5.00 (0.90~5.95)	5.65 (1.10~6.65)
Rated energy efficiency coefficient		EER[3]	3.64	3.06	2.64	2.81	2.80
Seasonal energy efficiency class	Cooling	626/2011[1]	A++	A++	A++	A++	A++
Seasonal energy efficiency index		SEER[2]	6.20	6.10	6.40	6.10	6.10
Annual energy consumption		kWh/a	305	413	574	803	916
Theoretical load (Pdesignc)		kW	5.40	7.20	10.50	14.00	15.50
Rated capacity (T=+7°C)		kW	5.57 (2.42~6.30)	7.62 (2.72~8.29)	11.72 (2.81~12.78)	16.12 (4.10~17.00)	18.17 (4.40~19.64)
Rated absorbed power (T=+7°C)		kW	1.50 (0.54~1.64)	2.05 (0.65~2.85)	3.35 (0.78~3.95)	5.10 (1.00~6.05)	6.05 (1.05~7.10)
Rated energy performance coefficient		COP[3]	3.71	3.72	3.50	3.16	3.00
Energy efficiency class (average season)	Heating	626/2011[1]	A+	A+	A+	A+	A+
Seasonal energy efficiency class index (average season)		SCOP[2]	4.00	4.00	4.10	4.00	4.00
Annual energy consumption		kWh/a	1400	1890	3150	4025	4165
Theoretical load (Pdesignh) @-10° C		kW	4.00	5.50	8.60	11.20	11.90
Operating limits (outside temperature)	Cooling	°C	-15~50				
	Heating	°C	-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 mm²	3 x 4 mm²	5 x 2.5 mm²	5 x 4 mm²	5 x 4 mm²
Connection wires between I.U. and O.U.		no.	4	4	4	4	4
Rated absorbed current (min~max)	Cooling	A	6.00 (3.20~9.00)	10.50 (3.90~13.10)	6.30 (1.40~6.80)	8.80 (1.90~10.30)	9.70 (3.20~11.50)
	Heating	A	6.60 (2.70~7.30)	9.50 (3.50~12.70)	5.40 (1.30~6.20)	8.90 (2.10~10.50)	10.50 (2.20~12.00)
Maximum current		A	13.50	19.00	10.00	13.00	14.00
Maximum absorbed power		kW	2.95	3.70	5.00	6.90	7.50
Refrigerant circuit							
Refrigerant (GWP)[4]			R32 (675)				
Quantity refrigerant pre-load		Kg	1.15	1.5	2.4	2.9	3
Tons of CO2 equivalent		t	0.776	1.013	1.620	1.958	2.025
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	75	75	75
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	12	24	24	24	24
Specifications of outdoor units							
Dimensions	LxDxH	mm	1068x675x235	1068x675x235	1650x675x235	1650x675x235	1650x675x235
Net weight		Kg	28	28	41.5	41.7	42.3
Sound pressure level (I.U.)	Hi/Mi/Lo/ULo	dB(A)	43.5/41/36.5/24	49/46/43/32	51/47.5/44.5/39	53/50/45/36	54/50.5/46.5/38
Sound power level (I.U.)	Hi	dB(A)	57	55	64	67	67
Treated 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)		n° 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	805x330x554	890x342x673	946x410x810	952x415x1333	952x415x1333
Net weight		Kg	32.5	43.9	66.9	103.7	107
Sound pressure level / Sound power level (O.U.)		dB(A)	56 /65	60 / 67	63 / 70	63.5 / 73	64 / 74
Treated air (Max)		m³/h	2100	3500	4000	7500	7500
Motor power (Output)		n° x W	1 x 34	1 x 80	1 x 120	2 x 85	2 x 85
Optional parts							
Wired remote control and manual centralized control			DHW-WT-ZA				
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 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.

TWIN COMBINATIONS

Indoor unit model			**2 x HTBI 711 ZA**
Outdoor unit model			**HCSI 1401 ZA**
Type			**FULL DC-Inverter heat pump**
Control (included)			Remote control
Rated capacity (T=+35°C)	Cooling	kW	14.07 (3.52~15.83)
Rated absorbed power (T=+35°C)		kW	4.65 (0.80~5.90)
Rated energy efficiency coefficient		EER[3]	3.03
Seasonal energy efficiency class		626/2011[1]	A++
Seasonal energy efficiency index		SEER[2]	6.10
Annual energy consumption		kWh/a	803
Theoretical load (Pdesignc)		kW	14.00
Rated capacity (T=+7°C)	Heating	kW	16.12 (4.10~17.29)
Rated absorbed power (T=+7°C)		kW	4.58 (0.90~5.50)
Rated energy performance coefficient		COP[3]	3.52
Energy efficiency class (average season)		626/2011[1]	A+
Seasonal energy efficiency class index (average season)		SCOP[2]	4.00
Annual energy consumption		kWh/a	3850
Theoretical load (Pdesignh) @-10° C		kW	11.00
Operating limits (outside temperature)	Cooling	°C	-15~50
	Heating	°C	-15~24
Electrical data			
Power supply	Outdoor unit	Ph-V-Hz	3-380~415V-50HZ
Power cable		Type	5 x 4 mm²
Connection wires between each I.U. and O.U.		no.	4
Rated absorbed current (min~max)	Cooling	A	8.10 (1.80~10.20)
	Heating	A	8.00 (1.90~9.50)
Maximum current		A	13.00
Maximum absorbed power		kW	6.90
Refrigerant circuit			
Refrigerant (GWP)[4]			R32 (675)
Quantity refrigerant pre-load		Kg	2.9
Tons of CO2 equivalent		t	1.958
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	75
Max height difference I.U./O.U.		m	30
Splitting length without additional load		m	5
Additional load		g/m	24

Indoor unit model			**2 x HUCU 351 ZAL**	**2 x HUCU 531 ZAL**	**2 x HUCI 711 ZA**
Outdoor unit model			**HCKI 711 ZA**	**HCSI 1081 ZA**	**HCSI 1401 ZA**
Type			**FULL DC-Inverter heat pump**		
Control (included)			Wired remote		
Rated capacity (T=+35°C)	Cooling	kW	7.03 (3.28~8.16)	10.55 (2.73~11.78)	14.07 (3.52~15.53)
Rated absorbed power (T=+35°C)		kW	2.19 (0.75~2.96)	4.00 (0.89~4.20)	4.80 (0.88~6.00)
Rated energy efficiency coefficient		EER[3]	3.21	2.64	2.93
Seasonal energy efficiency class		626/2011[1]	A++	A++	A++
Seasonal energy efficiency index		SEER[2]	6.20	6.10	6.10
Annual energy consumption		kWh/a	401	608	803
Theoretical load (Pdesignc)		kW	7.10	10.60	14.00
Rated capacity (T=+7°C)	Heating	kW	7.62 (2.81~8.49)	11.72 (2.78~12.84)	16.12 (4.10~18.17)
Rated absorbed power (T=+7°C)		kW	1.90 (0.64~2.58)	3.25 (0.78~4.00)	4.50 (0.95~5.70)
Rated energy performance coefficient		COP[3]	4.01	3.61	3.58
Energy efficiency class (average season)		626/2011[1]	A+	A+	A+
Seasonal energy efficiency class index (average season)		SCOP[2]	4.00	4.00	4.00
Annual energy consumption		kWh/a	1890	3080	4025
Theoretical load (Pdesignh) @-10° C		kW	5.40	8.80	11.50
Operating limits (outside temperature)	Cooling	°C	-15~50		
	Heating	°C	-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 mm²	5 x 2.5 mm²	5 x 4 mm²
Connection wires between each I.U. and O.U.		no.	4	4	4
Rated absorbed current (min~max)	Cooling	A	10.20 (4.20~13.20)	6.50 (1.40~6.70)	8.40 (1.90~10.40)
	Heating	A	9.20 (3.80~11.60)	5.30 (1.30~6.40)	8.00 (2.00~9.80)
Maximum current		A	19.00	10.00	13.00
Maximum absorbed power		kW	3.70	5.00	6.90
Refrigerant circuit					
Refrigerant (GWP)[4]			R32 (675)	R32 (675)	R32 (675)
Quantity refrigerant pre-load		Kg	1.5	2.4	2.9
Tons of CO2 equivalent		t	1.013	1.620	1.958
Diameter of refrigerant piping on liquid/gas	Indoor unit	mm (inches)	ø6.35(1/4") - ø9.52(3/8")	ø6.35(1/4") - ø12.74(1/2")	ø9.52(3/8") - ø15.88(5/8")
	Outdoor unit		ø9.52(3/8") - ø15.88(5/8")	ø9.52(3/8") - ø15.88(5/8")	
Max. splitting length		m	50	75	75
Max height difference I.U./O.U.		m	25	30	30
Splitting length without additional load		m	5	5	5
Additional load		g/m	24	24	24

TWIN COMBINATIONS

Indoor unit model			2 x HSFU 531 ZAL	2 x HSFI 711 ZA1
Outdoor unit model			HCSI 1081 ZA	HCSI 1401 ZA
Type			FULL DC-Inverter heat pump	
Control (included)			Remote control	
Rated capacity (T=+35°C)	Cooling	kW	10.55 (2.73~11.78)	14.07 (3.52~15.24)
Rated absorbed power (T=+35°C)		kW	4.00 (0.89~4.30)	5.00 (0.90~5.95)
Rated energy efficiency coefficient		EER[3]	2.64	2.81
Seasonal energy efficiency class		626/2011[1]	A++	A++
Seasonal energy efficiency index		SEER[2]	6.40	6.10
Annual energy consumption		kWh/a	574	803
Theoretical load (Pdesignc)		kW	10.50	14.00
Rated capacity (T=+7°C)	Heating	kW	11.72 (2.81~12.78)	16.12 (4.10~17.00)
Rated absorbed power (T=+7°C)		kW	3.35 (0.78~3.95)	5.10 (1.00~6.05)
Rated energy performance coefficient		COP[3]	3.50	3.16
Energy efficiency class (average season)		626/2011[1]	A+	A+
Seasonal energy efficiency class index (average season)		SCOP[2]	4.10	4.00
Annual energy consumption		kWh/a	3150	4025
Theoretical load (Pdesignh) @-10° C		kW	8.60	11.20
Operating limits (outside temperature)	Cooling	°C	-15~50	
	Heating	°C	-15~24	
Electrical data				
Power supply	Outdoor unit	Ph-V-Hz	3-380~415V-50HZ	
Power cable		Type	5 x 2.5 mm²	5 x 4 mm²
Connection wires between each I.U. and O.U.		no.	4	4
Rated absorbed current (min~max)	Cooling	A	6.30 (1.40~6.80)	8.80 (1.90~10.30)
	Heating	A	5.40 (1.30~6.20)	8.90 (2.10~10.50)
Maximum current		A	10.00	13.00
Maximum absorbed power		kW	5.00	6.90
Refrigerant circuit				
Refrigerant (GWP)[4]			R32 (675)	R32 (675)
Quantity refrigerant pre-load		Kg	2.4	2.9
Tons of CO2 equivalent		t	1.620	1.958
Diameter of refrigerant piping on liquid/gas	Indoor unit	mm (inches)	ø6.35(1/4") - ø12.74(1/2")	ø9.52(3/8") - ø15.88(5/8")
	Outdoor unit		ø9.52(3/8") - ø15.88(5/8")	
Max. splitting length		m	75	75
Max height difference I.U./O.U.		m	30	30
Splitting length without additional load		m	5	5
Additional load		g/m	24	24

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 675. If 1 kg of this refrigerant was released into the atmosphere, then the impact on global warming would be 675 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. Always contact qualified personnel if necessary.

The indoor units that can be used in the Twin combinations are the slim cassette, the medium static pressure ducted and the floor/ceiling combined with outdoor units of 7.03, 10.55 and 14.07 kW.

R32 MULTISPLIT

Outdoor Unit	EER*	COP*	SEER*	SCOP*
HCKU 471 Z2	3.23	3.71	5.60 / A+	3.80 / A
HCKU 531 Z2	3.23	3.71	6.10 / A++	3.80 / A
HCKU 601 Z3	3.23	3.71	6.10 / A++	4.00 / A+
HCKU 761 Z3	3.23	3.71	6.10 / A++	4.00 / A+
HCKU 810 Z4	3.23	4.00	6.10 / A++	3.80 / A
HCKU 1060 Z4	3.23	3.93	6.20 / A++	3.80 / A

* The values shown may vary depending on the combinations chosen. For further information, refer to the technical manual.

OPERATING RANGE

-15° C / 50° C
in cooling

-15° C / 24° C
in heating

INSTALLATION FLEXIBILITY

Extensive splitting lengths.

HCKU 471-531 Z2

L	TOT PIPING	**= 40 m**
L	MAX O.U.- I.U.	**= 25 m**
H	MAX O.U.- I.U.	**= 15 m**
H	MAX I.U.- I.U.	**= 10 m**

HCKU 601-761 Z3

L	TOT PIPING	**= 60 m**
L	MAX O.U.- I.U.	**= 30 m**
H	MAX O.U.- I.U.	**= 15 m**
H	MAX I.U.- I.U.	**= 10 m**

HCKU 810-1060 Z4

L	TOT PIPING	**= 80 m**
L	MAX O.U.- I.U.	**= 35 m**
H	MAX O.U.- I.U.	**= 15 m**
H	MAX I.U.- I.U.	**= 10 m**

HIGHLY COMPACT

Highly compact and easy to install.

HCKU 471-531 Z2

HCKU 601-761 Z3

HCKU 810-1060 Z4

R32 MULTISPLIT

kW		4.10	5.28	6.15	7.91	8.21	10.55
Number of connectable I.U.		2	2	3	3	4	4
							
		HCKU 471 Z2	HCKU 531 Z2	HCKU 601 Z3	HCKU 761 Z3	HCKU 810 Z4	HCKU 1060 Z4
	HKEMM 262 ZAL	●	●	●	●	●	●
	HKEMM 352 ZAL	●	●	●	●	●	●
	HKEMM 266 ZAL	●	●	●	●	●	●
	HKEMM 356 ZAL	●	●	●	●	●	●
	HKEU 203 ZL	●	●	●	●	●	●
	HKEU 263 ZAL	●	●	●	●	●	●
	HKEU 353 ZAL-1	●	●	●	●	●	●
	HKEU 533 ZAL	●	●	●	●	●	●
	HKEU 713 ZAL						●
	HTFU 351 ZAL	●	●	●	●	●	●
	HTFU 531 ZAL	●	●	●	●	●	●
	HUCU 351 ZAL	●	●	●	●	●	●
	HUCU 531 ZAL	●	●	●	●	●	●
	HSFU 531 ZAL	●	●	●	●	●	●

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

R32 MULTISPLIT

Outdoor unit - Up to 4 connectable indoor units

HCKU 471 Z2
HCKU 531 Z2

HCKU 601 Z3
HCKU 761 Z3

HCKU 810 Z4
HCKU 1060 Z4

A++/A+ (6.15~7.91 kW) | Energy efficiency class in cooling/heating

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

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

Verify the maximum gas concentration limits, in particular in residential applications, as required by EN 378:2016.

Model			HCKU 471 Z2	HCKU 531 Z2	HCKU 601 Z3	HCKU 761 Z3	HCKU 810 Z4	HCKU 1060 Z4
Type			Outdoor DC-Inverter heat pump unit					
Connectable indoor units (min - max)		no.	1 - 2	1 - 2	2 - 3	2 - 3	2 - 4	2 - 4
Rated capacity (T=+35°C)	Cooling	kW	4.10 (1.47~4.98)	5.28 (2.29~5.72)	6.15 (1.99~6.59)	7.91 (3.18~8.21)	8.21 (2.05~9.85)	10.55 (2.05~12.66)
Rated absorbed power (T=+35°C)	Cooling	kW	1.27 (0.12~1.67)	1.635 (0.69~2.00)	1.905 (0.18~2.20)	2.45 (0.29~3.10)	2.54 (0.89~3.18)	3.27 (1.14~4.09)
Rated energy efficiency coefficient	Cooling	EER[3]	3.23	3.23	3.23	3.23	3.23	3.23
Seasonal energy efficiency class	Cooling	626/2011[1]	A+	A++	A++	A++	A++	A++
Seasonal energy efficiency index	Cooling	SEER[2]	5.60	6.10	6.10	6.10	6.10	6.20
Annual energy consumption	Cooling	kWh/a	256	304	350	453	470	598
Theoretical load (Pdesignc)	Cooling	kW	4.10	5.30	6.10	7.90	8.20	10.60
Rated capacity (T=+7°C)	Heating	kW	4.40 (1.52~4.98)	5.57 (2.40~5.74)	6.45 (1.45~6.68)	8.21 (2.29~8.50)	8.79 (2.34~10.55)	10.84 (2.34~13.01)
Rated absorbed power (T=+7°C)	Heating	kW	1.185 (0.25~1.59)	1.50 (0.60~1.78)	1.738 (0.35~1.80)	2.21 (0.37~2.90)	2.20 (0.77~2.75)	2.76 (0.97~3.45)
Rated energy performance coefficient	Heating	COP[3]	3.71	3.71	3.71	3.71	4.00	3.93
Energy efficiency class (average season)	Heating	626/2011[1]	A	A	A+	A+	A	A
Seasonal energy efficiency class index (average season)	Heating	SCOP[2]	3.80	3.80	4.00	4.00	3.80	3.80
Annual energy consumption	Heating	kWh/a	1363	1768	1890	1960	2395	3316
Theoretical load (Pdesignh) @-10° C	Heating	kW	3.70	4.80	5.40	5.60	6.50	9.00
Operating limits (outside temperature)	Cooling	°C	-15~50					
	Heating	°C	-15~24					
Electrical data								
Power supply		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 2.5 mm^2	3 x 4 mm^2	3 x 4 mm^2	3 x 4 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	5.80 (1.10~7.40)	7.30 (3.20~9.00)	8.30 (1.80~10.00)	11.20 (2.00~13.50)	11.30 (3.90~14.10)	14.30 (5.10~18.20)
	Heating	A	5.40 (1.90~7.00)	6.60 (2.80~8.00)	7.60 (2.60~8.00)	10.10 (2.40~13.00)	9.80 (3.40~12.20)	12.10 (4.30~15.30)
Maximum current		A	12.00	13.00	17.00	18.00	19.00	21.50
Maximum absorbed power		kW	2.75	3.05	3.91	4.10	4.15	4.60
Refrigerant circuit								
Refrigerant (GWP)[4]			R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)
Quantity refrigerant pre-load		Kg	1.1	1.25	1.5	1.85	2.1	2.1
Tons of CO2 equivalent		t	0.743	0.844	1.013	1.249	1.418	1.418
Diameter of refrigerant piping on liquid/gas		mm (inches)	2 x ø6.35(1/4")/ 2 x ø9.52(3/8")	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")
Total splitting length		m	40	40	60	60	80	80
Max length of a single refrigeration line		m	25	25	30	30	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	15	22.5	22.5	30	30
Additional load		g/m	12	12	12	12	12	12
Product specifications								
Dimensions	LxDxH	mm	805x330x554	805x330x554	890x342x673	890x342x673	946x410x810	946x410x810
Net weight		Kg	31.6	35	43.3	48	62.1	68.8
Sound pressure level		dB(A)	56	54	57.5	58	61.5	63
Sound power level		dB(A)	65	65	65	68	67	67
Treated air (Max)		m^3/h	2100	2100	3000	3000	3800	4000
Motor power (Output)		W	47	47	88	88	150	150

Energy efficiency values refer to the following combinations: HCKU 471 Z2 + 2 x HKEU 203 ZL - HCKU 531 Z2 + 2 x HKEU 263 ZAL - HCKU 601 Z3 + 3 x HKEU 203 ZL - HCKU 761 Z3 + 3 x HKEU263 ZAL - HCKU 810 Z4 + 4 x HKEU 203 ZL - HCKU 1060 Z4 + 4 x HKEU 263 ZAL.

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.

V-DESIGN PLUS DC INVERTER MULTISPLIT INDOOR UNITS

Wall HKEMM 262-352 ZAL Dark silver

Wi-Fi optional

Remote control included as standard

Air Guardian filter: generates more than 3 million **positive and negative ions** per cubic metre. For breathing air that is free of dust, allergens and pollutants

Light effects: blue light when in cooling or red light when in heating

Automatic brightness adjustment

Model			HKEMM 262 ZAL	HKEMM 352 ZAL
Type			Indoor wall unit	
Control (included)			Remote control	
Rated capacity	Cooling	kW	2.60	3.50
	Heating	kW	2.90	3.80
Electrical data				
Power supply		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	10.5	10.5
Sound pressure level	Hi/Mi/Lo	dB(A)	37.5/32/24	37.5/32/24
Sound power level	Hi	dB(A)	51	51
Treated air (Hi/Me/Lo)		m^3/h	558/478/384	558/478/384
Motor power (Output)		W	50	50
Optional parts				
Wi-Fi module			HKM-WiFi	
Wired remote control			NO	
Centralized control			NO	

INAZAMI DC INVERTER MULTISPLIT INDOOR UNITS

Wall HKEMM 266-356 ZAL

Wi-Fi optional

Remote control included as standard

"3D flow" air diffusion

Health filter: eliminates harmful substances and provides fresh, clean air

Settable Silent function

Anti-freeze function 8° C

Model			HKEMM 266 ZAL	HKEMM 356 ZAL
Type			Indoor wall unit	
Control (included)			Remote control	
Rated capacity	Cooling	kW	2.60	3.50
	Heating	kW	2.80	3.80
Electrical data				
Power supply		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	835x208x295	835x208x295
	Net weight	Kg	8.7	8.7
Sound pressure level	Hi/Mi/Lo	dB(A)	37/31/22	39/33/22
Sound power level	Hi	dB(A)	54	55
Treated air (Hi/Me/Lo)		m^3/h	510/360/300	520/370/310
Motor power (Output)		W	-	-
Optional parts				
Wi-Fi module			HKM-WiFi	
Wired remote control			NO	
Centralized control			NO	

ACTIVE LINE DC INVERTER MULTISPLIT INDOOR UNITS

Wall HKEU 203 ZL - HKEU 263 ZAL - HKEU 353 ZAL-1 - HKEU 533-713 ZAL

Wi-Fi optional

Remote control included as standard

- High density filter
- Self-cleaning function
- Anti-freeze function 8° C

Model			HKEU 203 ZL	HKEU 263 ZAL	HKEU 353 ZAL-1	HKEU 533 ZAL	HKEU 713 ZAL
Type			Indoor wall unit				
Control (included)			Remote control				
Rated capacity	Cooling	kW	2.10	2.60	3.50	5.30	7.00
	Heating	kW	2.30	2.90	3.80	5.60	7.30
Electrical data							
Power supply		Ph-V-Hz	-	-	-	-	-
Connection wires between I.U. and O.U.		no.	4	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") - 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	805x194x285	805x194x285	805x194x285	957x213x302	1040x220x327
	Net weight	Kg	7.5	7.6	7.6	10	12.3
Sound pressure level	Hi/Mi/Lo/ULo	dB(A)	40/30/26/21	38.5/32/25	40.5/34.5/25	44/37/30/25	44.5/42/34.5/28
Sound power level	Hi	dB(A)	54	54	55	55	59
Treated air (Hi/Me/Lo)		m³/h	520/460/340	466/360/325	540/430/314	840/680/540	980/817/662
Motor power (Output)		W	40	40	40	36	58
Optional parts							
Wi-Fi module			HKM-WiFi				
Wired remote control			NO				
Centralized control			NO				

MULTISPLIT INDOOR UNITS

Compact cassette 60x60 HTFU 351-531 ZAL

Wi-Fi optional

Remote control included as standard

8-ways TFP 200 ZA panel with 360° air diffusion

Pre-set for external air inlet

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

Model			HTFU 351 ZAL	HTFU 531 ZAL
Type			Indoor cassette unit	
Control (included)			Remote control	
Rated capacity	Cooling	kW	3.50	5.30
	Heating	kW	4.10	5.40
Electrical data				
Power supply		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") - ø12.74(1/2")
Product specifications				
Dimensions	LxDxH	mm	570x570x260	570x570x260
	Net weight	Kg	16.3	16.5
Sound pressure level	Hi/Mi/Lo/ULo	dB(A)	41/36/33/25.5	43/39.5/35.5/29
Sound power level	Hi	dB(A)	56	57
Treated air (Hi/Me/Lo)		m³/h	620/510/420	720/620/500
Motor power (Output)		W	45	45
Accessories				
Decorative panel			TFP 200 ZA	
Optional parts				
Wired remote control			YES	
Manual centralized control			YES	
Wi-Fi centralized control			YES	

MULTISPLIT INDOOR UNITS

Medium static pressure ducted

HUCU 351-531 ZAL

Wi-Fi optional

Wired remote control included

Compatible with systems AIRZONE

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

Model			HUCU 351 ZAL	HUCU 531 ZAL
Type			**Indoor ducted unit**	
Control (included)			Wired remote	
Rated capacity	Cooling	kW	3.50	5.30
	Heating	kW	3.80	5.60
Electrical data				
Power supply		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") - ø12.74(1/2")
Product specifications				
Dimensions	LxDxH	mm	700x506x200	880x674x210
	Net weight	Kg	17.8	24.4
Sound pressure level	Hi/Mi/Lo/ULo	dB(A)	34.5/30.5/29/23	41/38/34/26
Sound power level	Hi	dB(A)	57	58
Treated air (Hi/Me/Lo)		m^3/h	600/480/300	911/706.3/515.2
Fan static pressure	Std/Max	Pa	25/60	25/100
Motor power (Output)		W	130	90
Optional parts				
Wired remote control			YES	
Centralized control			YES	

MULTISPLIT INDOOR UNITS

Ceiling HSFU 531 ZAL

Wi-Fi optional

Remote control included as standard

Excellent installation flexibility

Turbo function, for heating and cooling rooms quickly

Model			HSFU 531 ZAL
Type			**Indoor ceiling unit**
Control (included)			Remote control
Rated capacity	Cooling	kW	5.30
	Heating	kW	5.60
Electrical data			
Power supply		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") - ø12.74(1/2")
Product specifications			
Dimensions	LxDxH	mm	1068x675x235
	Net weight	Kg	28
Sound pressure level	Hi/Mi/Lo/ULo	dB(A)	43.5/41/36.5/24
Sound power level	Hi	dB(A)	57
Treated air(Hi/Me/Lo)		m^3/h	958/839/723
Motor power (Output)		W	96
Optional parts			
Wired remote control			YES
Manual centralized control			YES
Wi-Fi centralized control			YES

TECHNICAL APPENDIX

COMBINATIONS

HCKU 471 Z2 Cooling

Combinations	Indoor Units	Combination		Rated cooling capacity (kW)		Total cooling capacity (kW)	Absorbed power (kW)	EER (W/W)	Pdesignc	SEER	Annual consumption (kWh)	Energy class
		Unit A	Unit B	Unit A	Unit B	std.	std.	std.				
1 unit	53	53	—	4.10	—	4.10	1.27	3.23	—	—	—	—
2 units	20+20	20	20	2.05	2.05	4.10	1.27	3.23	4.1	5.60	258	A+
	20+26	20	26	1.78	2.32	4.10	1.27	3.23	4.1	5.60	258	A+
	20+35	20	35	1.49	2.61	4.10	1.27	3.23	4.1	5.60	258	A+
	26+26	**26**	**26**	**2.05**	**2.05**	**4.10**	**1.27**	**3.23**	**4.1**	**5.60**	**258**	**A+**
	26+35	26	35	1.75	2.35	4.10	1.27	3.23	4.1	5.60	258	A+

HCKU 471 Z2 Heating

Combinations	Indoor Units	Combination		Rated heating capacity (kW)		Total heating capacity (kW)	Absorbed power (kW)	COP (W/W)	Pdesignh	SCOP	Annual consumption (kWh)	Energy class
		Unit A	Unit B	Unit A	Unit B	std.	std.	std.				
1 unit	53	53	—	4.40	—	4.40	1.19	3.71	—	—	—	—
2 units	20+20	20	20	2.20	2.20	4.40	1.19	3.71	3.7	3.80	1400	A
	20+26	20	26	1.91	2.49	4.40	1.19	3.71	3.7	3.80	1400	A
	20+35	20	35	1.60	2.80	4.40	1.19	3.71	3.7	3.80	1400	A
	26+26	**26**	**26**	**2.20**	**2.20**	**4.40**	**1.19**	**3.71**	**3.7**	**3.80**	**1400**	**A**
	26+35	26	35	1.88	2.52	4.40	1.19	3.71	3.7	3.80	1400	A

HCKU 531 Z2 Cooling

Combinations	Indoor Units	Combination		Rated cooling capacity (kW)		Total cooling capacity (kW)	Absorbed power (kW)	EER (W/W)	Pdesignc	SEER	Annual consumption (kWh)	Energy class
		Unit A	Unit B	Unit A	Unit B	std.	std.	std.				
1 unit	53	53	—	5.00	—	5.00	1.54	3.25	—	—	—	—
2 units	20+20	20	20	2.10	2.10	4.20	1.30	3.24	4.2	6.10	241	A++
	20+26	20	26	2.04	2.66	4.70	1.46	3.23	4.7	6.10	270	A++
	20+35	20	35	1.89	3.31	5.20	1.61	3.23	5.3	6.10	309	A++
	20+53	20	53	1.47	3.88	5.35	1.66	3.23	5.3	6.10	309	A++
	26+26	**26**	**26**	**2.65**	**2.65**	**5.30**	**1.64**	**3.23**	**5.3**	**6.10**	**309**	**A++**
	26+35	26	35	2.26	3.04	5.30	1.64	3.23	5.3	6.10	309	A++
	26+53	26	53	1.76	3.59	5.35	1.66	3.23	5.3	6.10	309	A++
	35+35	35	35	2.65	2.65	5.30	1.64	3.23	5.3	6.10	309	A++

HCKU 531 Z2 Heating

Combinations	Indoor Units	Combination		Rated heating capacity (kW)		Total heating capacity (kW)	Absorbed power (kW)	COP (W/W)	Pdesignh	SCOP	Annual consumption (kWh)	Energy class
		Unit A	Unit B	Unit A	Unit B	std.	std.	std.				
1 unit	53	53	—	5.20	—	5.20	1.40	3.71	—	—	—	—
2 units	20+20	20	20	2.50	2.50	5.00	1.35	3.71	4.8	3.80	1768	A
	20+26	20	26	2.30	3.00	5.30	1.43	3.71	4.8	3.80	1768	A
	20+35	20	35	2.00	3.50	5.50	1.48	3.71	4.8	3.80	1768	A
	20+53	20	53	1.56	4.14	5.70	1.54	3.71	4.8	3.80	1768	A
	26+26	**26**	**26**	**2.79**	**2.79**	**5.57**	**1.50**	**3.71**	**4.8**	**3.80**	**1768**	**A**
	26+35	26	35	2.39	3.21	5.60	1.51	3.71	4.8	3.80	1768	A
	26+53	26	53	1.91	3.89	5.80	1.56	3.71	4.8	3.80	1768	A
	35+35	35	35	2.80	2.80	5.60	1.51	3.71	4.8	3.80	1768	A

COMBINATIONS

HCKU 601 Z3 Cooling

Combinations	Indoor Units	Combination			Rated cooling capacity (kW)			Total cooling capacity (kW)	Absorbed power (kW)	EER (W/W)	Pdesignc	SEER	Annual consumption (kWh)	Energy class
		Unit A	Unit B	Unit C	Unit A	Unit B	Unit C	std.	std.	std.				
2 units	20+35	20	35	—	1.93	3.37	—	5.30	1.64	3.23	5.3	5.60	331	A+
	20+53	20	53		1.73	4.57	—	6.30	1.95	3.23	6.1	5.60	381	A+
	26+26	26	26	—	2.65	2.65	—	5.30	1.64	3.23	5.3	5.60	331	A+
	26+35	26	35	—	2.56	3.44	—	6.00	1.86	3.23	6.0	5.60	375	A+
	26+53	26	53	—	2.07	4.23	—	6.30	1.94	3.24	6.1	5.60	381	A+
	35+35	35	35	—	3.10	3.10	—	6.20	1.92	3.23	6.1	5.60	381	A+
3 units	20+20+20	20	20	20	2.03	2.03	2.03	6.10	1.89	3.23	6.1	6.10	350	A++
	20+20+26	20	20	26	1.91	1.91	2.48	6.30	1.95	3.23	6.1	6.10	350	A++
	20+20+35	20	20	35	1.68	1.68	2.94	6.30	1.94	3.24	6.1	6.10	350	A++
	20+26+26	20	26	26	1.75	2.28	2.28	6.30	1.94	3.24	6.1	6.10	350	A++
	20+26+35	20	26	35	1.56	2.02	2.72	6.30	1.94	3.24	6.1	6.10	350	A++
	26+26+26	**26**	**26**	**26**	**2.10**	**2.10**	**2.10**	**6.30**	**1.94**	**3.24**	**6.1**	**6.10**	**350**	**A++**
	26+26+35	26	26	35	1.88	1.88	2.53	6.30	1.94	3.24	6.1	6.10	350	A++

HCKU 601 Z3 Heating

Combinations	Indoor Units	Combination			Rated heating capacity (kW)			Total heating capacity (kW)	Absorbed power (kW)	COP (W/W)	Pdesignh	SCOP	Annual consumption (kWh)	Energy class
		Unit A	Unit B	Unit C	Unit A	Unit B	Unit C	std.	std.	std.				
2 units	20+35	20	35	—	2.15	3.75	—	5.90	1.59	3.71	4.8	3.80	1768	A
	20+53	20	53		1.78	4.72	—	6.50	1.75	3.71	5.1	3.80	1886	A+
	26+26	26	26	—	2.95	2.95	—	5.90	1.59	3.71	4.8	3.80	1768	A
	26+35	26	35	—	2.69	3.61	—	6.30	1.70	3.71	5.1	3.80	1886	A+
	26+53	26	53	—	2.17	4.43	—	6.60	1.78	3.71	5.1	3.80	1886	A+
	35+35	35	35	—	3.15	3.15	—	6.30	1.70	3.71	5.1	3.80	1886	A+
3 units	20+20+20	20	20	20	2.20	2.20	2.20	6.60	1.78	3.71	5.4	4.00	1910	A+
	20+20+26	20	20	26	2.02	2.02	2.62	6.65	1.79	3.72	5.4	4.00	1910	A+
	20+20+35	20	20	35	1.79	1.79	3.13	6.70	1.80	3.72	5.4	4.00	1910	A+
	20+26+26	20	26	26	1.86	2.42	2.42	6.70	1.80	3.72	5.4	4.00	1910	A+
	20+26+35	20	26	35	1.65	2.15	2.90	6.70	1.80	3.72	5.4	4.00	1910	A+
	26+26+26	**26**	**26**	**26**	**2.23**	**2.23**	**2.23**	**6.70**	**1.81**	**3.71**	**5.4**	**4.00**	**1910**	**A+**
	26+26+35	26	26	35	2.00	2.00	2.70	6.70	1.80	3.72	5.4	4.00	1910	A+

COMBINATIONS

HCKU 761 Z3 Cooling

Combinations	Indoor Units	Combination			Rated cooling capacity (kW)			Total cooling capacity (kW)	Absorbed power (kW)	EER (W/W)	Pdesignc	SEER	Annual consumption (kWh)	Energy class
		Unit A	Unit B	Unit C	Unit A	Unit B	Unit C	std.	std.	std.				
2 units	20+35	20	35	—	1.93	3.37	—	5.30	1.64	3.23	5.3	5.60	331	A+
	20+53	20	53	—	1.78	4.72	—	6.50	2.01	3.23	6.5	5.60	406	A+
	26+26	26	26	—	2.65	2.65	—	5.30	1.64	3.23	5.3	5.60	331	A+
	26+35	26	35	—	2.56	3.44	—	6.00	1.86	3.23	6.0	5.60	375	A+
	26+53	26	53	—	2.24	4.56	—	6.80	2.09	3.25	6.8	5.60	425	A+
	35+35	35	35	—	3.15	3.15	—	6.30	1.94	3.24	6.3	5.60	394	A+
	35+53	35	53	—	2.70	4.10	—	6.80	2.09	3.25	6.8	5.60	425	A+
3 units	20+20+20	20	20	20	2.43	2.43	2.43	7.30	2.26	3.23	7.3	6.10	419	A++
	20+20+26	20	20	26	2.24	2.24	2.92	7.40	2.29	3.23	7.4	6.10	425	A++
	20+20+35	20	20	35	2.11	2.11	3.69	7.90	2.45	3.23	7.9	6.10	453	A++
	20+20+53	20	20	53	1.70	1.70	4.50	7.90	2.43	3.25	7.9	6.10	453	A++
	20+26+26	20	26	26	2.11	2.74	2.74	7.60	2.35	3.23	7.6	6.10	436	A++
	20+26+35	20	26	35	1.95	2.54	3.41	7.90	2.45	3.23	7.9	6.10	453	A++
	20+26+53	20	26	53	1.60	2.07	4.23	7.90	2.43	3.25	7.9	6.10	453	A++
	20+35+35	20	35	35	1.76	3.07	3.07	7.90	2.43	3.25	7.9	6.10	453	A++
	26+26+26	**26**	**26**	**26**	**2.63**	**2.63**	**2.63**	**7.90**	**2.45**	**3.23**	**7.9**	**6.10**	**453**	**A++**
	26+26+35	26	26	35	2.36	2.36	3.18	7.90	2.43	3.25	7.9	6.10	453	A++
	26+35+35	26	35	35	2.14	2.88	2.88	7.90	2.43	3.25	7.9	6.10	453	A++
	35+35+35	35	35	35	2.63	2.63	2.63	7.90	2.43	3.25	7.9	6.10	453	A++

HCKU 761 Z3 Heating

Combinations	Indoor Units	Combination			Rated heating capacity (kW)			Total heating capacity (kW)	Absorbed power (kW)	COP (W/W)	Pdesignh	SCOP	Annual consumption (kWh)	Energy class
		Unit A	Unit B	Unit C	Unit A	Unit B	Unit C	std.	std.	std.				
2 units	20+35	20	35	—	2.18	3.82	—	6.00	1.61	3.73	5.1	3.80	1879	A
	20+53	20	53	—	1.92	5.08	—	7.00	1.88	3.73	5.1	3.80	1879	A
	26+26	26	26	—	3.00	3.00	—	6.00	1.61	3.73	5.1	3.80	1879	A
	26+35	26	35	—	2.69	3.61	—	6.30	1.69	3.73	5.1	3.80	1879	A
	26+53	26	53	—	2.30	4.70	—	7.00	1.88	3.73	5.1	3.80	1879	A
	35+35	35	35	—	3.25	3.25	—	6.50	1.74	3.73	5.1	3.80	1879	A
	35+53	35	53	—	2.78	4.22	—	7.00	1.88	3.73	5.1	3.80	1879	A
3 units	20+20+20	20	20	20	2.27	2.27	2.27	6.80	1.82	3.73	5.6	4.00	1960	A+
	20+20+26	20	20	26	2.12	2.12	2.76	7.00	1.88	3.73	5.6	4.00	1960	A+
	20+20+35	20	20	35	2.11	2.11	3.69	7.90	2.12	3.73	5.6	4.00	1960	A+
	20+20+53	20	20	53	1.78	1.78	4.73	8.30	2.23	3.73	5.6	4.00	1960	A+
	20+26+26	20	26	26	2.19	2.85	2.85	7.90	2.12	3.73	5.6	4.00	1960	A+
	20+26+35	20	26	35	2.02	2.63	3.54	8.20	2.20	3.73	5.6	4.00	1960	A+
	20+26+53	20	26	53	1.68	2.18	4.44	8.30	2.23	3.73	5.6	4.00	1960	A+
	20+35+35	20	35	35	1.84	3.23	3.23	8.30	2.23	3.73	5.6	4.00	1960	A+
	26+26+26	**26**	**26**	**26**	**2.73**	**2.73**	**2.73**	**8.20**	**2.20**	**3.73**	**5.6**	**4.00**	**1960**	**A+**
	26+26+35	26	26	35	2.48	2.48	3.34	8.30	2.23	3.73	5.6	4.00	1960	A+
	26+35+35	26	35	35	2.25	3.03	3.03	8.30	2.23	3.73	5.6	4.00	1960	A+
	35+35+35	35	35	35	2.77	2.77	2.77	8.30	2.23	3.73	5.6	4.00	1960	A+

COMBINATIONS

HCKU 810 Z4 Cooling

Combinations	Indoor Units	Combination				Rated heating capacity (kW)				Total cooling capacity (kW)	Absorbed power (kW)	EER (W/W)	Pdesignc	SEER	Annual consumption (kWh)	Energy class
		Unit A	Unit B	Unit C	Unit D	Unit A	Unit B	Unit C	Unit D	std	std	std				
2 units	20+35	20	35	—	—	1.93	3.37	—	—	5.30	1.64	3.23	5.3	5.10	364	A
	20+53	20	53	—	—	1.92	5.08	—	—	7.00	2.17	3.23	7.0	5.10	480	A
	26+26	26	26	—	—	2.65	2.65	—	—	5.30	1.64	3.23	5.3	5.10	364	A
	26+35	26	35	—	—	2.56	3.44	—	—	6.00	1.86	3.23	6.0	5.10	412	A
	26+53	26	53	—	—	2.40	4.90	—	—	7.30	2.26	3.23	7.3	5.10	501	A
	35+35	35	35	—	—	3.25	3.25	—	—	6.50	2.01	3.23	6.5	5.10	446	A
	35+53	35	53	—	—	2.90	4.40	—	—	7.30	2.26	3.23	7.3	5.10	501	A
	53+53	53	53	—	—	3.75	3.75	—	—	7.50	2.32	3.23	7.5	5.10	515	A
3 units	20+20+20	20	20	20	—	2.00	2.00	2.00	—	6.00	1.86	3.23	6.0	5.60	375	A+
	20+20+26	20	20	26	—	1.97	1.97	2.56	—	6.50	2.01	3.23	6.5	5.60	406	A+
	20+20+35	20	20	35	—	1.89	1.89	3.31	—	7.10	2.20	3.23	7.1	5.60	444	A+
	20+20+53	20	20	53	—	1.68	1.68	4.45	—	7.80	2.41	3.23	7.8	5.60	488	A+
	20+26+26	20	26	26	—	1.89	2.46	2.68	—	6.80	2.11	3.23	6.8	5.60	425	A+
	20+26+35	20	26	35	—	1.85	2.41	3.24	—	7.50	2.32	3.23	7.5	5.60	469	A+
	20+26+53	20	26	53	—	1.58	2.05	4.18	—	7.80	2.41	3.23	7.8	5.60	488	A+
	20+35+35	20	35	35	—	1.73	3.03	3.03	—	7.80	2.41	3.23	7.8	5.60	488	A+
	20+35+53	20	35	53	—	1.44	2.53	3.83	—	7.80	2.41	3.23	7.8	5.60	488	A+
	26+26+26	26	26	26	—	2.37	2.37	2.37	—	7.10	2.20	3.23	7.1	5.60	444	A+
	26+26+35	26	26	35	—	2.33	2.33	3.14	—	7.80	2.41	3.23	7.8	5.60	488	A+
	26+26+53	26	26	53	—	1.93	1.93	3.94	—	7.80	2.41	3.23	7.8	5.60	488	A+
	26+35+35	26	35	35	—	2.11	2.84	2.84	—	7.80	2.41	3.23	7.8	5.60	488	A+
	26+35+53	26	35	53	—	1.78	2.39	3.63	—	7.80	2.41	3.23	7.8	5.60	488	A+
	35+35+35	35	35	35	—	2.60	2.60	2.60	—	7.80	2.41	3.23	7.8	5.60	488	A+
4 units	20+20+20+20	20	20	20	20	2.05	2.05	2.05	2.05	8.21	2.54	3.23	8.21	6.10	471	A++
	20+20+20+26	20	20	20	26	1.91	1.91	1.91	2.48	8.21	2.54	3.23	8.21	6.10	471	A++
	20+20+20+35	20	20	20	35	1.73	1.73	1.73	3.02	8.21	2.54	3.23	8.21	6.10	471	A++
	20+20+20+53	20	20	20	53	1.45	1.45	1.45	3.85	8.21	2.53	3.25	8.21	6.10	471	A++
	20+20+26+26	20	20	26	26	1.78	1.78	2.32	2.32	8.21	2.54	3.23	8.21	6.10	471	A++
	20+20+26+35	20	20	26	35	1.63	1.63	2.11	2.85	8.21	2.54	3.23	8.21	6.10	471	A++
	20+20+35+35	20	20	35	35	1.49	1.49	2.61	2.61	8.21	2.53	3.24	8.21	6.10	471	A++
	20+26+26+26	20	26	26	26	1.68	2.18	2.18	2.18	8.21	2.54	3.23	8.21	6.10	471	A++
	20+26+26+35	20	26	26	35	1.53	1.99	1.99	2.69	8.21	2.53	3.24	8.21	6.10	471	A++
	20+26+35+35	20	26	35	35	1.42	1.84	2.48	2.48	8.21	2.53	3.25	8.21	6.10	471	A++
	26+26+26+26	**26**	**26**	**26**	**26**	**2.05**	**2.05**	**2.05**	**2.05**	**8.21**	**2.53**	**3.24**	**8.21**	**6.10**	**471**	**A++**
	26+26+26+35	26	26	26	35	1.89	1.89	1.89	2.54	8.21	2.53	3.25	8.21	6.10	471	A++

COMBINATIONS

HCKU 810 Z4 Heating

Combinations	Indoor Units	Combination				Rated heating capacity (kW)				Total heating capacity (kW)	Absorbed power (kW)	COP (W/W)	Pdesignh	SCOP	Annual consumption (kWh)	Energy class
		Unit A	Unit B	Unit C	Unit D	Unit A	Unit B	Unit C	Unit D	std.	std.	std.				
2 units	20+35	20	35	—	—	2.18	3.82	—	—	6.00	1.57	3.81	4.62	3.40	1902	A
	20+53	20	53	—	—	2.14	5.66	—	—	7.80	2.03	3.85	6.01	3.40	2473	A
	26+26	26	26	—	—	3.00	3.00	—	—	6.00	1.57	3.81	4.62	3.40	1902	A
	26+35	26	35	—	—	2.98	4.02	—	—	7.00	1.84	3.81	5.39	3.40	2219	A
	26+53	26	53	—	—	2.60	5.30	—	—	7.90	2.05	3.85	6.08	3.40	2505	A
	35+35	35	35	—	—	3.75	3.75	—	—	7.50	1.97	3.81	5.78	3.40	2378	A
	35+53	35	53	—	—	3.18	4.82	—	—	8.00	2.08	3.85	6.08	3.40	2505	A
	53+53	53	53	—	—	4.00	4.00	—	—	8.00	2.08	3.85	6.08	3.40	2505	A
3 units	20+20+20	20	20	20	—	2.33	2.33	2.33	—	7.00	1.79	3.90	5.39	3.50	2156	A
	20+20+26	20	20	26	—	2.36	2.36	3.07	—	7.80	2.00	3.90	6.01	3.50	2402	A
	20+20+35	20	20	35	—	2.24	2.24	3.92	—	8.40	2.14	3.92	6.1	3.50	2440	A
	20+20+53	20	20	53	—	1.85	1.85	4.90	—	8.60	2.19	3.92	6.2	3.50	2480	A
	20+26+26	20	26	26	—	2.33	3.03	2.68	—	8.40	2.14	3.92	6.1	3.50	2440	A
	20+26+35	20	26	35	—	2.10	2.73	3.67	—	8.50	2.17	3.92	6.2	3.50	2480	A
	20+26+53	20	26	53	—	1.74	2.26	4.60	—	8.60	2.18	3.95	6.2	3.50	2480	A
	20+35+35	20	35	35	—	1.91	3.34	3.34	—	8.60	2.19	3.92	6.2	3.50	2480	A
	20+35+53	20	35	53	—	1.59	2.79	4.22	—	8.60	2.18	3.95	6.2	3.50	2480	A
	26+26+26	26	26	26	—	2.87	2.87	2.87	—	8.60	2.19	3.92	6.2	3.50	2480	A
	26+26+35	26	26	35	—	2.57	2.57	3.46	—	8.60	2.19	3.92	6.2	3.50	2480	A
	26+26+53	26	26	53	—	2.13	2.13	4.34	—	8.60	2.18	3.95	6.2	3.50	2480	A
	26+35+35	26	35	35	—	2.33	3.14	3.14	—	8.60	2.19	3.92	6.2	3.50	2480	A
	26+35+53	26	35	53	—	1.96	2.64	4.00	—	8.60	2.18	3.95	6.2	3.50	2480	A
	35+35+35	35	35	35	—	2.87	2.87	2.87	—	8.60	2.18	3.95	6.2	3.50	2480	A
4 units	20+20+20+20	20	20	20	20	2.20	2.20	2.20	2.20	8.80	2.20	4.00	6.5	3.80	2395	A
	20+20+20+26	20	20	20	26	2.07	2.07	2.07	2.69	8.90	2.22	4.01	6.5	3.80	2395	A
	20+20+20+35	20	20	20	35	1.89	1.89	1.89	3.32	9.00	2.24	4.01	6.5	3.80	2395	A
	20+20+20+53	20	20	20	53	1.61	1.61	1.61	4.27	9.10	2.27	4.01	6.5	3.80	2395	A
	20+20+26+26	20	20	26	26	1.93	1.93	2.52	2.52	8.90	2.22	4.01	6.5	3.80	2395	A
	20+20+26+35	20	20	26	35	1.78	1.78	2.32	3.12	9.00	2.24	4.01	6.5	3.80	2395	A
	20+20+35+35	20	20	35	35	1.65	1.65	2.90	2.90	9.10	2.27	4.01	6.5	3.80	2395	A
	20+26+26+26	20	26	26	26	1.82	2.36	2.36	2.36	8.90	2.23	4.00	6.5	3.80	2395	A
	20+26+26+35	20	26	26	35	1.68	2.19	2.19	2.94	9.00	2.24	4.01	6.5	3.80	2395	A
	20+26+35+35	20	26	35	35	1.57	2.04	2.75	2.75	9.10	2.27	4.01	6.5	3.80	2395	A
	26+26+26+26	**26**	**26**	**26**	**26**	**2.23**	**2.23**	**2.23**	**2.23**	**8.90**	**2.22**	**4.01**	**6.5**	**3.80**	**2395**	**A**
	26+26+26+35	26	26	26	35	2.09	2.09	2.09	2.82	9.10	2.27	4.01	6.5	3.80	2395	A

COMBINATIONS

HCKU 1060 Z4 Cooling

Combinations	Indoor Units	Combination				Rated heating capacity (kW)				Total cooling capacity (kW)	Absorbed power (kW)	EER (W/W)	Pdesignc	SEER	Annual consumption (kWh)	Energy class
		Unit A	Unit B	Unit C	Unit D	Unit A	Unit B	Unit C	Unit D	std.	std.	std.				
2 units	20+35	20	35	—	—	2.00	3.50	—	—	5.50	1.68	3.28	5.5	5.10	377	A
	20+53	20	53	—	—	1.92	5.08	—	—	7.00	2.13	3.28	7.0	5.20	471	A
	20+71	20	71	—	—	1.98	7.02	—	—	9.00	2.74	3.28	9.0	5.20	606	A
	26+26	26	26	—	—	2.65	2.65	—	—	5.30	1.62	3.28	5.3	5.20	357	A
	26+35	26	35	—	—	2.56	3.44	—	—	6.00	1.83	3.28	6.0	5.20	404	A
	26+53	26	53	—	—	2.47	5.03	—	—	7.50	2.29	3.28	7.5	5.20	505	A
	26+71	26	71	—	—	2.55	6.95	—	—	9.50	2.90	3.28	9.5	5.20	639	A
	35+35	35	35	—	—	3.50	3.50	—	—	7.00	2.13	3.28	7.0	5.20	471	A
	35+53	35	53	—	—	3.38	5.12	—	—	8.50	2.59	3.28	8.5	5.20	572	A
	35+71	35	71	—	—	3.30	6.70	—	—	10.00	3.09	3.24	10.0	5.20	673	A
	53+53	53	53	—	—	5.00	5.00	—	—	10.00	3.09	3.24	10.0	5.20	673	A
3 units	20+20+20	20	20	20	—	2.00	2.00	2.00	—	6.00	1.80	3.33	6.0	5.60	375	A+
	20+20+26	20	20	26	—	1.97	1.97	2.56	—	6.50	1.98	3.28	6.5	5.60	406	A+
	20+20+35	20	20	35	—	2.00	2.00	3.50	—	7.50	2.29	3.28	7.5	5.60	469	A+
	20+20+53	20	20	53	—	1.94	1.94	5.13	—	9.00	2.74	3.28	9.0	5.80	543	A+
	20+20+71	20	20	71	—	1.80	1.80	6.40	—	10.00	3.09	3.24	10.0	5.80	603	A+
	20+26+26	20	26	26	—	1.94	2.53	2.53	—	7.00	2.13	3.28	7.0	5.80	422	A+
	20+26+35	20	26	35	—	1.98	2.57	3.46	—	8.00	2.44	3.28	8.0	5.80	483	A+
	20+26+53	20	26	53	—	1.92	2.49	5.09	—	9.50	2.93	3.24	9.5	5.80	573	A+
	20+26+71	20	26	71	—	1.71	2.22	6.07	—	10.00	3.09	3.24	10.0	5.80	603	A+
	20+35+35	20	35	35	—	2.00	3.50	3.50	—	9.00	2.78	3.24	9.0	5.80	543	A+
	20+35+53	20	35	53	—	1.85	3.24	4.91	—	10.00	3.09	3.24	10.0	5.80	603	A+
	20+35+71	20	35	71	—	1.59	2.78	5.63	—	10.00	3.09	3.24	10.0	5.80	603	A+
	20+53+53	20	53	53	—	1.59	4.21	4.21	—	10.00	3.09	3.24	10.0	5.80	603	A+
	26+26+26	26	26	26	—	2.50	2.50	2.50	—	7.50	2.31	3.24	7.5	5.80	453	A+
	26+26+35	26	26	35	—	2.54	2.54	3.42	—	8.50	2.62	3.24	8.5	5.80	513	A+
	26+26+53	26	26	53	—	2.48	2.48	5.05	—	10.00	3.09	3.24	10.0	5.80	603	A+
	26+26+71	26	26	71	—	2.11	2.11	5.77	—	10.00	3.09	3.24	10.0	5.80	603	A+
	26+35+35	26	35	35	—	2.57	3.46	3.46	—	9.50	2.93	3.24	9.5	5.80	573	A+
	26+35+53	26	35	53	—	2.28	3.07	4.65	—	10.00	3.09	3.24	10.0	5.80	603	A+
	26+35+71	26	35	71	—	1.97	2.65	5.38	—	10.00	3.09	3.24	10.0	5.80	603	A+
	26+53+53	26	53	53	—	1.97	4.02	4.02	—	10.00	3.09	3.24	10.0	5.80	603	A+
	35+35+35	35	35	35	—	3.33	3.33	3.33	—	10.00	3.09	3.24	10.0	5.80	603	A+
	35+35+53	35	35	53	—	2.85	2.85	4.31	—	10.00	3.09	3.24	10.0	5.80	603	A+
	35+35+71	35	35	71	—	2.48	2.48	5.04	—	10.00	3.09	3.24	10.0	5.80	603	A+
	35+53+53	35	53	53	—	2.48	3.76	3.76	—	10.00	3.09	3.24	10.0	5.80	603	A+
4 units	20+20+20+20	20	20	20	20	2.05	2.05	2.05	2.05	8.20	2.29	3.58	8.2	6.10	470	A++
	20+20+20+26	20	20	20	26	1.98	1.98	1.98	2.57	8.50	2.47	3.44	8.5	6.10	488	A++
	20+20+20+35	20	20	20	35	2.00	2.00	2.00	3.50	9.50	2.86	3.32	9.5	6.10	545	A++
	20+20+20+53	20	20	20	53	1.84	1.84	1.84	4.88	10.40	3.22	3.23	10.4	6.20	587	A++
	20+20+20+71	20	20	20	71	1.62	1.62	1.62	5.75	10.60	3.28	3.23	10.6	6.20	598	A++
	20+20+26+26	20	20	26	26	1.96	1.96	2.54	2.54	9.00	2.71	3.32	9.0	6.20	508	A++
	20+20+26+35	20	20	26	35	1.98	1.98	2.57	3.47	10.00	3.09	3.24	10.0	6.20	565	A++
	20+20+26+53	20	20	26	53	1.78	1.78	2.32	4.72	10.60	3.28	3.23	10.6	6.20	598	A++
	20+20+26+71	20	20	26	71	1.55	1.55	2.01	5.49	10.60	3.28	3.23	10.6	6.20	598	A++
	20+20+35+35	20	20	35	35	1.93	1.93	3.37	3.37	10.60	3.28	3.23	10.6	6.20	598	A++
	20+20+35+53	20	20	35	53	1.66	1.66	2.90	4.39	10.60	3.28	3.23	10.6	6.20	598	A++
	20+20+53+53	20	20	53	53	1.45	1.45	3.85	3.85	10.60	3.28	3.23	10.6	6.20	598	A++
	20+26+26+26	20	26	26	26	1.94	2.52	2.52	2.52	9.50	2.92	3.25	9.5	6.20	536	A++
	20+26+26+35	20	26	26	35	1.98	2.58	2.58	3.47	10.60	3.28	3.23	10.5	6.20	593	A++
	20+26+26+53	20	26	26	53	1.70	2.20	2.20	4.49	10.60	3.28	3.23	10.5	6.20	593	A++
	20+26+26+71	20	26	26	71	1.48	1.93	1.93	5.26	10.60	3.28	3.23	10.5	6.20	593	A++
	20+26+35+35	20	26	35	35	1.83	2.38	3.20	3.20	10.60	3.28	3.23	10.5	6.20	593	A++

COMBINATIONS

HCKU 1060 Z4 Cooling

Combinations	Indoor Units	Combination				Rated heating capacity (kW)				Total cooling capacity (kW)	Absorbed power (kW)	EER (W/W)	Pdesignc	SEER	Annual consumption (kWh)	Energy class
		Unit A	Unit B	Unit C	Unit D	Unit A	Unit B	Unit C	Unit D	std.	std.	std.				
4 units	20+26+35+53	20	26	35	53	1.58	2.06	2.77	4.19	10.60	3.28	3.23	10.5	6.20	593	A++
	20+26+53+53	20	26	53	53	1.39	1.81	3.70	3.70	10.60	3.28	3.23	10.5	6.20	593	A++
	20+35+35+35	20	35	35	35	1.70	2.97	2.97	2.97	10.60	3.28	3.23	10.5	6.20	593	A++
	20+35+35+53	20	35	35	53	1.48	2.59	2.59	3.93	10.60	3.28	3.23	10.5	6.20	593	A++
	26+26+26+26	**26**	**26**	**26**	**26**	**2.65**	**2.65**	**2.65**	**2.65**	**10.60**	**3.28**	**3.23**	**10.5**	**6.20**	**593**	**A++**
	26+26+26+35	26	26	26	35	2.44	2.44	2.44	3.28	10.60	3.28	3.23	10.5	6.20	593	A++
	26+26+26+53	26	26	26	53	2.10	2.10	2.10	4.29	10.60	3.28	3.23	10.5	6.20	593	A++
	26+26+35+35	26	26	35	35	2.26	2.26	3.04	3.04	10.60	3.28	3.23	10.5	6.20	593	A++
	26+26+35+53	26	26	35	53	1.97	1.97	2.65	4.01	10.60	3.28	3.23	10.5	6.20	593	A++
	26+35+35+35	26	35	35	35	2.10	2.83	2.83	2.83	10.60	3.28	3.23	10.5	6.20	593	A++
	26+35+35+53	26	35	35	53	1.85	2.49	2.49	3.77	10.60	3.28	3.23	10.5	6.20	593	A++
	35+35+35+35	35	35	35	35	2.65	2.65	2.65	2.65	10.60	3.28	3.23	10.6	6.20	598	A++

HCKU 1060 Z4 Heating

Combinations	Indoor Units	Combination				Rated heating capacity (kW)				Total heating capacity (kW)	Absorbed power (kW)	COP (W/W)	Pdesignh	SCOP	Annual consumption (kWh)	Energy class
		Unit A	Unit B	Unit C	Unit D	Unit A	Unit B	Unit C	Unit D	std.	std.	std.				
2 units	20+35	20	35	—	—	2.18	3.82	—	—	6.00	1.59	3.78	4.3	3.40	1787	A
	20+53	20	53	—	—	2.19	5.81	—	—	8.00	2.12	3.78	4.7	3.40	1915	A
	20+71	20	71	—	—	2.11	7.49	—	—	9.60	2.54	3.78	4.7	3.40	1915	A
	26+26	26	26	—	—	3.00	3.00	—	—	6.00	1.59	3.78	6.2	3.40	2553	A
	26+35	26	35	—	—	2.98	4.02	—	—	7.00	1.85	3.78	4.7	3.40	1915	A
	26+53	26	53	—	—	2.90	5.90	—	—	8.80	2.33	3.78	5.4	3.40	2234	A
	26+71	26	71	—	—	2.63	7.17	—	—	9.80	2.58	3.80	4.7	3.40	1915	A
	35+35	35	35	—	—	3.75	3.75	—	—	7.50	1.98	3.78	6.8	3.40	2808	A
	35+53	35	53	—	—	3.74	5.66	—	—	9.40	2.49	3.78	5.8	3.40	2393	A
	35+71	35	71	—	—	3.30	6.70	—	—	10.00	2.63	3.80	4.7	3.40	1915	A
	53+53	53	53	—	—	5.05	5.05	—	—	10.10	2.66	3.80	7.3	3.50	2914	A
3 units	20+20+20	20	20	20	—	2.50	2.50	2.50	—	7.50	1.96	3.82	8.4	3.60	3267	A
	20+20+26	20	20	26	—	2.36	2.36	3.07	—	7.80	2.04	3.82	5.8	3.60	2260	A
	20+20+35	20	20	35	—	2.27	2.27	3.97	—	8.50	2.23	3.82	6.0	3.60	2351	A
	20+20+53	20	20	53	—	2.30	2.30	6.10	—	10.70	2.78	3.85	6.6	3.60	2562	A
	20+20+71	20	20	71	—	1.93	1.93	6.84	—	10.70	2.78	3.85	6.6	3.60	2562	A
	20+26+26	20	26	26	—	2.36	3.07	3.07	—	8.50	2.23	3.82	8.6	3.60	3344	A
	20+26+35	20	26	35	—	2.47	3.21	4.32	—	10.00	2.62	3.82	6.6	3.60	2562	A
	20+26+53	20	26	53	—	2.16	2.81	5.73	—	10.70	2.78	3.85	7.8	3.60	3014	A
	20+26+71	20	26	71	—	1.83	2.38	6.49	—	10.70	2.78	3.85	7.8	3.60	3014	A
	20+35+35	20	35	35	—	2.24	3.93	3.93	—	10.10	2.62	3.85	8.6	3.60	3344	A
	20+35+53	20	35	53	—	1.98	3.407	5.25	—	10.70	2.78	3.85	8.4	3.60	3267	A
	20+35+71	20	35	71	—	1.70	2.97	6.03	—	10.70	2.78	3.85	8.4	3.60	3267	A
	20+53+53	20	53	53	—	1.70	4.50	4.50	—	10.70	2.78	3.85	8.6	3.60	3344	A
	26+26+26	26	26	26	—	3.33	3.33	3.33	—	10.00	2.62	3.82	8.6	3.60	3344	A
	26+26+35	26	26	35	—	3.02	3.02	4.06	—	10.10	2.62	3.85	7.8	3.60	3014	A
	26+26+53	26	26	53	—	2.65	2.65	5.40	—	10.70	2.78	3.85	8.4	3.60	3267	A
	26+26+71	26	26	71	—	2.26	2.26	6.18	—	10.70	2.78	3.85	8.4	3.60	3267	A
	26+35+35	26	35	35	—	2.90	3.90	3.90	—	10.70	2.78	3.85	8.6	3.60	3344	A
	26+35+53	26	35	53	—	2.44	3.29	4.97	—	10.70	2.78	3.85	8.6	3.60	3344	A
	26+35+71	26	35	71	—	2.11	2.84	5.76	—	10.70	2.78	3.85	8.6	3.60	3344	A
	26+53+53	26	53	53	—	2.11	4.30	4.30	—	10.70	2.78	3.85	8.6	3.60	3344	A
	35+35+35	35	35	35	—	3.57	3.57	3.57	—	10.70	2.78	3.85	8.6	3.60	3344	A
	35+35+53	35	35	53	—	3.04	3.04	4.61	—	10.70	2.78	3.85	8.6	3.60	3344	A
	35+35+71	35	35	71	—	2.66	2.66	5.39	—	10.70	2.78	3.85	8.6	3.60	3344	A
	35+53+53	35	53	53	—	2.66	4.02	4.02	—	10.70	2.78	3.85	8.6	3.60	3344	A

COMBINATIONS

HCKU 1060 Z4 Heating

Combinations	Indoor Units	Combination				Rated heating capacity (kW)				Total heating capacity (kW)	Absorbed power (kW)	COP (W/W)	Pdesignh	SCOP	Annual consumption (kWh)	Energy class
		Unit A	Unit B	Unit C	Unit D	Unit A	Unit B	Unit C	Unit D	std.	std.	std.				
4 units	20+20+20+20	20	20	20	20	2.50	2.50	2.50	2.50	10.00	2.56	3.90	8.6	3.80	3168	A
	20+20+20+26	20	20	20	26	2.35	2.35	2.35	3.05	10.10	2.59	3.90	7.8	3.80	2855	A
	20+20+20+35	20	20	20	35	2.29	2.29	2.29	4.02	10.90	2.79	3.90	8.5	3.80	3132	A
	20+20+20+53	20	20	20	53	1.96	1.96	1.96	5.21	11.10	2.84	3.91	9.0	3.80	3316	A
	20+20+20+71	20	20	20	71	1.69	1.69	1.69	6.02	11.10	2.84	3.91	9.0	3.80	3316	A
	20+20+26+26	20	20	26	26	2.37	2.37	3.08	3.08	10.90	2.79	3.90	9.0	3.80	3316	A
	20+20+26+35	20	20	26	35	2.20	2.20	2.86	3.85	11.10	2.85	3.90	9.0	3.80	3316	A
	20+20+26+53	20	20	26	53	1.87	1.87	2.43	4.94	11.10	2.84	3.91	9.0	3.80	3316	A
	20+20+26+71	20	20	26	71	1.62	1.62	2.11	5.75	11.10	2.84	3.91	9.0	3.80	3316	A
	20+20+35+35	20	20	35	35	2.02	2.02	3.53	3.53	11.10	2.84	3.91	9.0	3.80	3316	A
	20+20+35+53	20	20	35	53	1.73	1.73	3.04	4.60	11.10	2.84	3.91	9.0	3.80	3316	A
	20+20+53+53	20	20	53	53	1.52	1.52	4.03	4.03	11.10	2.84	3.91	9.0	3.80	3316	A
	20+26+26+26	20	26	26	26	2.27	2.94	2.94	2.94	11.10	2.85	3.90	9.0	3.80	3316	A
	20+26+26+35	20	26	26	35	2.07	2.70	2.70	3.63	11.10	2.82	3.93	9.0	3.80	3316	A
	20+26+26+53	20	26	26	53	1.78	2.31	2.31	4.71	11.10	2.82	3.93	9.0	3.80	3316	A
	20+26+26+71	20	26	26	71	1.55	2.02	2.02	5.51	11.10	2.82	3.93	9.0	3.80	3316	A
	20+26+35+35	20	26	35	35	1.91	2.49	3.35	3.35	11.10	2.82	3.93	9.0	3.80	3316	A
	20+26+35+53	20	26	35	53	1.66	2.15	2.90	4.39	11.10	2.82	3.93	9.0	3.80	3316	A
	20+26+53+53	20	26	53	53	1.46	1.90	3.87	3.87	11.10	2.82	3.93	9.0	3.80	3316	A
	20+35+35+35	20	35	35	35	1.78	3.11	3.11	3.11	11.10	2.82	3.93	9.0	3.80	3316	A
	20+35+35+53	20	35	35	53	1.55	2.72	2.72	4.11	11.10	2.82	3.93	9.0	3.80	3316	A
	26+26+26+26	**26**	**26**	**26**	**26**	**2.78**	**2.78**	**2.78**	**2.78**	**11.10**	**2.82**	**3.93**	**9.0**	**3.80**	**3316**	**A**
	26+26+26+35	26	26	26	35	2.55	2.55	2.55	3.44	11.10	2.82	3.93	9.0	3.80	3316	A
	26+26+26+53	26	26	26	53	2.20	2.20	2.20	4.49	11.10	2.82	3.93	9.0	3.80	3316	A
	26+26+35+35	26	26	35	35	2.37	2.37	3.18	3.18	11.10	2.82	3.93	9.0	3.80	3316	A
	26+26+35+53	26	26	35	53	2.06	2.06	2.78	4.20	11.10	2.82	3.93	9.0	3.80	3316	A
	26+35+35+35	26	35	35	35	2.20	2.97	2.97	2.97	11.10	2.82	3.93	9.0	3.80	3316	A
	26+35+35+53	26	35	35	53	1.94	2.61	2.61	3.95	11.10	2.82	3.93	9.0	3.80	3316	A
	35+35+35+35	35	35	35	35	2.78	2.78	2.78	2.78	11.10	2.82	3.93	9.0	3.80	3316	A