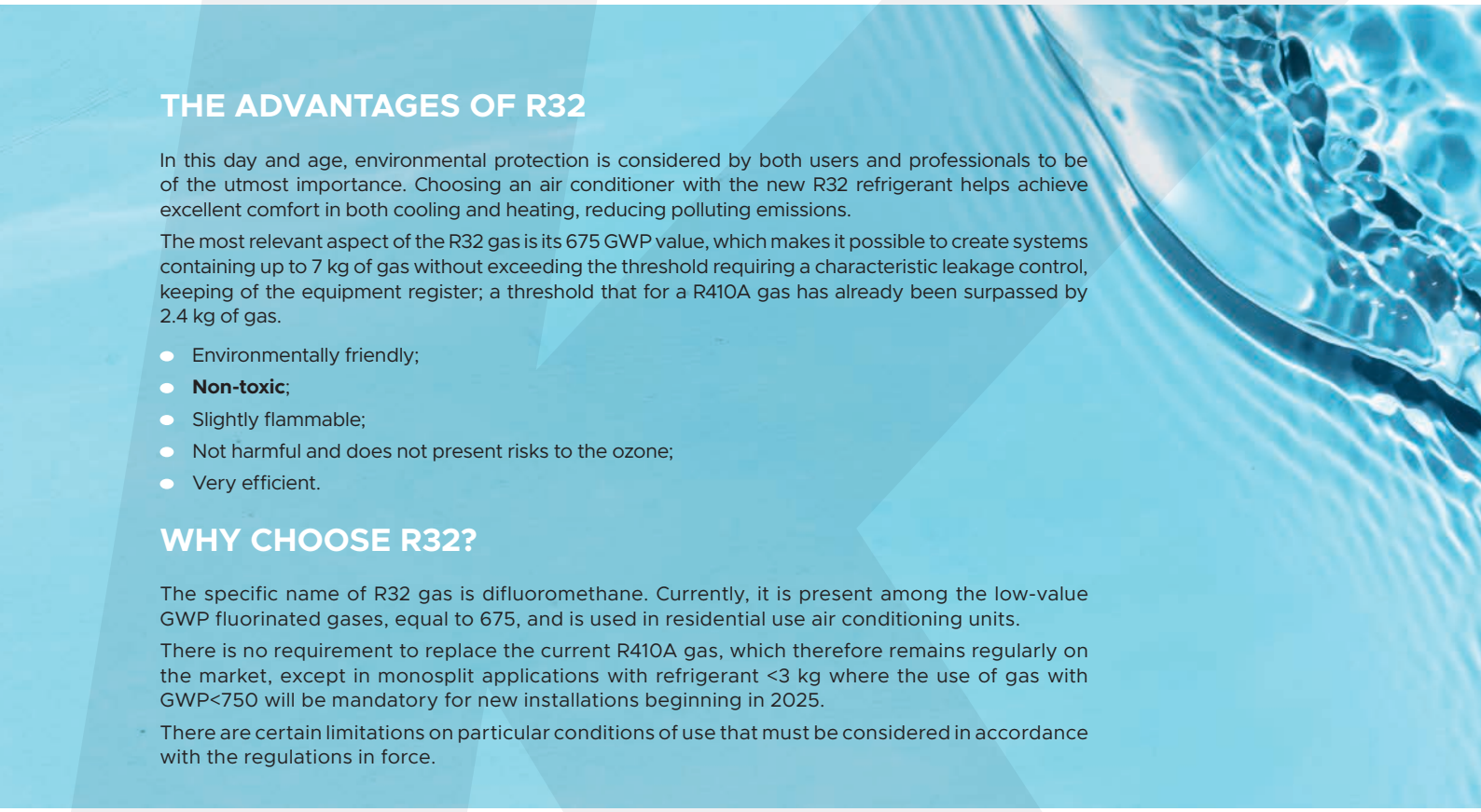
# RESIDENTIAL & COMMERCIAL R32

# RESIDENTIAL AND COMMERCIAL R32, WELL-BEING FOR YOUR HOME

The most demanding customers, attentive to technological developments, their benefits and respect for the environment, 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 installation.

# R32 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 applicationsmust 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 techincal 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 aplìication of the equipment.

# CHECK YOUR AIR CONDITIONING **WHEREVER AND WHENEVER YOU WANT**

## MORE COMFORT AND MORE SAVINGS

With the Hokkaido Wi-Fi apps, users can control their air conditioning unit remotely.

**The available modules can be standard or optional.**

### FOR EXPERT SAVERS

Hokkaido Wi-Fi functions help you save money and energy. 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.

### 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.

# **LINE UP** 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 | | | |
| **WARRIORS** | | | | | | | | | |
| Wall |  | | HKEMS Z | HKEMS Z | | | | | |
| **COMMERCIAL** | | | | | | | | | |
| Compact cassette |  | | | HTFU ZAL | HTFU ZAL | | | | |
| Slim cassette 84x84 |  | | | | | HTBI ZA | HTBI ZA | HTBI ZA | HTBI ZA |
| Console |  | | | HFIU ZAL | HFIU ZAL | | | | |
| 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 |  | | | | | | | | |
| Outdoor Units wall Warriors<br>Outdoor Units commercial |  | | | | | | | | |

# TOTAL HEAT EXCHANGER

| 300 | 400 | | | |
|---|---|---|---|---|
| ● | ● | | | |
| 500 | 800 | 1000 | 1500 | 2000 |
| ● | ● | ● | ● | ● |

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


# 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:

- purifies and deodorises the air (photocatalysis);
- filters out pollen, bacteria and odours (activated carbon);
- purifies and prevents the spread of viruses and bacteria thanks to the green tea properties (catechin);
- eliminates 90% of bacteria (silver ions);
- eliminates harmful dust (anti-dust);
- 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.

## 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 56°C, guaranteeing the neutralisation of 93.18% of the bacteria inside..

# ARASHI

## 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 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.

# **ARASHI**, EXTREMELY HIGH PERFORMANCE UNDER EXTREME CONDITIONS



WIFI INCLUDED

## SMART MANAGEMENT WITH WIFI

All the functions at your fingertips with the app.

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

**SMARTLIFE-SMARTHOME**

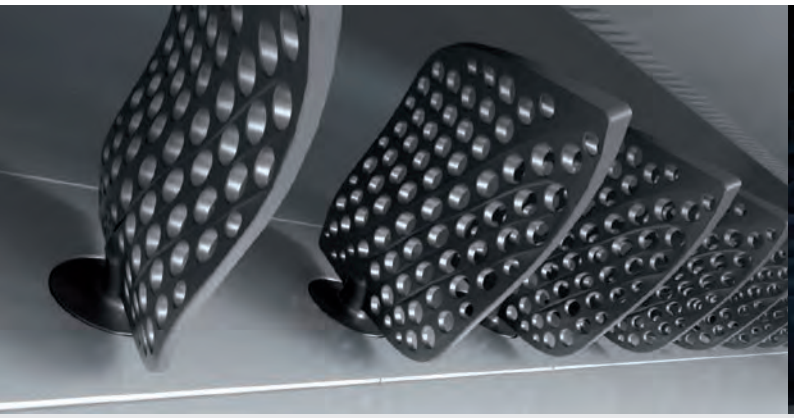
An app that controls and manages the climate in your home, simply an intelligently. Available for Android and iOS. To configure the app, refer to the Technical Manual.

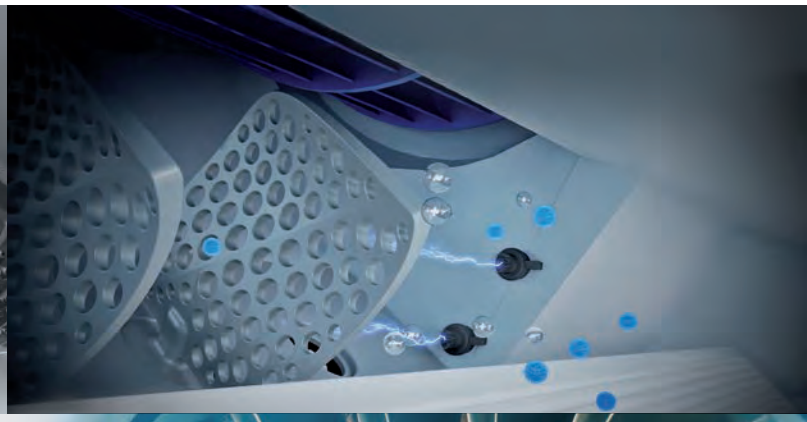
Commercially available voice control device (third party).

# AIR DISTRIBUTION LOUVERS

Proprietary and patented technology gives new shape to the air outlet.

The characteristic leaf shape and the perforated surface ensure uniform and delicate air distribution in the room.





## TURBO FUNCTION

This remote control-activated function allows the desired temperature to be reached quickly even during the start-up phase, bringing the compressor to maximum frequency, thus determining a 20% increase in the volume of treated air.

# ARASHI


## OPERATION

-15~**53°**C
**in cooling**

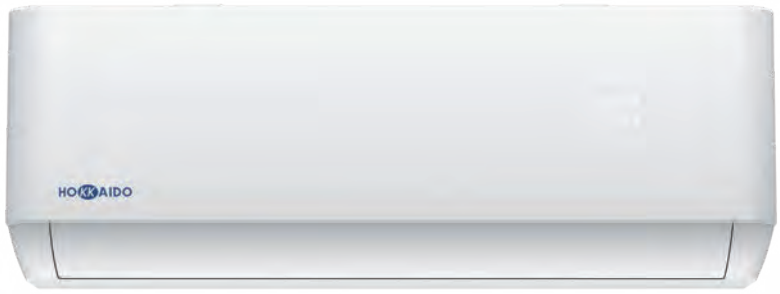
-20~30°C
**in heating**

## PERFORMANCE

| MODEL | 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+ |

# ARASHI
## DC INVERTER

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




**-15~53° C** in cooling
**-20~30° C** in heating

**22 dB(A)** extremely quiet (mod. 2.60/3.40) in Silent mode

**5** fan speeds
Remote control included as standard

**Smartlife-Smarthome**, the app for managing the climate in your home easily

**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-1 | HCNTS 711 ZA |
| Type | | | DC-Inverter heat pump | | | |
| Control (included) | | | IR Remote control | | | |
| **Nominal data** | | | | | | |
| 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[1] | 3.24 | 3.24 | 3.24 | 3.24 |
| 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[1] | 3.73 | 3.71 | 3.71 | 3.71 |
| **Seasonal data** | | | | | | |
| Theoretical load (Pdesignc) | Cooling | kW | 2.60 | 3.40 | 5.10 | 6.80 |
| Seasonal energy efficiency index | | SEER[2] | 6.30 | 6.10 | 6.10 | 6.50 |
| Seasonal energy efficiency class | | 626/2011[3] | A++ | A++ | A++ | A++ |
| Annual energy consumption | | kWh/y | 144 | 195 | 293 | 366 |
| Theoretical load (Pdesignh) @ -10°C | Heating (average climate conditions) | kW | 2.10 | 2.40 | 3.80 | 5.70 |
| Seasonal energy efficiency index | | SCOP[2] | 4.00 | 4.00 | 4.00 | 4.00 |
| Seasonal energy efficiency class | | 626/2011[3] | A+ | A+ | A+ | A+ |
| Annual energy consumption | | kWh/y | 735 | 840 | 1330 | 1995 |
| **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[4] | | Type (GWP) | R32 (675) | | | |
| Quantity refrigerant pre-load | | Kg | 0.57 | 0.57 | 1 | 1.11 |
| Tons of CO2 equivalent | | t | 0.385 | 0.385 | 0.675 | 0.749 |
| Diameter of refrigerant piping on liquid/gas | | mm (inches) | 6.35(1/4") / 9.52(3/8") | 6.35(1/4") / 9.52(3/8") | 6.35(1/4") / 9.52(3/8") | 6.35(1/4") / 12.7(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 charge | | 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 | Max | dB(A) | 51 | 51 | 54 | 58 |
| Sound power level | S/H/M/L/Mute | dB(A) | 41/37/33/25/22 | 41/37/33/25/22 | 43/41/38/35/27 | 47/42/38/34/31 |
| Treated air volume | Max | m³/h | 560 | 560 | 820 | 1100 |
| **Outdoor unit specifications** | | | | | | |
| Dimensions | LxDxH | mm | 777x290x498 | 777x290x498 | 853x349x602 | 920x380x699 |
| Net weight | | Kg | 24 | 24 | 35 | 40 |
| Sound power level | | dB(A) | 60 | 60 | 65 | 68 |
| Sound pressure level | | dB(A) | 50 | 50 | 55 | 57 |
| Treated air volume | | m³/h | 1900 | 1900 | 2600 | 3000 |
| Operating range (outdoor temperature) | Cooling | °C | -15~53 | | | |
| | Heating | °C | -20~30 | | | |
| **Optional parts** | | | | | | |
| Wi-Fi module | | | Included | | | |
| Wired remote control | | | NO | | | |
| Centralized control | | | NO | | | |

1. Value measured according to the harmonised standard EN14511. 2. EU Regulation No. 206/2012 - - Value measured according to the harmonised standard EN14825. 3. Delegated Regulation (EU) No. 626/2011 regarding the new energy labelling of air conditioners. 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 higher than 1 kg of CO2, over a period of 100 years. Under no cicrumstances should the user try to intervene on the refrigerant circuit or disassemble the product. Always contact qualified personnel if necessary.

# **WARRIORS**
# DC INVERTER


## MONOSPLIT WALL AIR CONDITIONING UNIT

Warriors is a sober and elegant air conditioning unit that can be adapted to any type of décor. In order to adjust the temperature, the device utilizes a remote control or an optional Wi-Fi connection with an app that can be downloaded on a smartphone.

With Warriors, users can quickly reduce the temperature in summer and increase the temperature in winter, all without burdening your monthly budget. This model is appreciated for its extensive range of functions and ease of use.

## OPERATION

-15~**50°**C
**in cooling**

-20~30°C
**in heating**

## PERFORMANCE

| MODEL | SEER | SCOP |
|---|---|---|
| **2.64 kW** | 7.00/A++ | 4.10/A+ |
| **3.22 kW** | 7.10/A++ | 4.10/A+ |

# WARRIORS
# DC INVERTER

**Wall** HKEMS 264-354 Z

**NEW**
2024

- **-15~50° C** in cooling
- **-20~30° C** in heating
- HEPA filter
- High density filter
- Self Cleaning
- Silent
- Refrigerant leak detection
- Anti-freeze function 8° C
- ECO mode
- Automatic horizontal swinging of air outlet flaps
- Golden Fin
- Remote control included as standard
- **Wi-Fi** optional

| **Indoor unit model** | | | **HKEMS 264 Z** | **HKEMS 354 Z** |
|---|---|---|---|---|
| **Outdoor unit model** | | | **HCNMX 264 Z** | **HCNMX 354 Z** |
| **Type** | | | DC-Inverter heat pump | |
| Control (included) | | | IR Remote control | |
| **Nominal data** | | | | |
| Rated capacity (T=+35°C) | Cooling | kW | 2.64 (0.90~3.37) | 3.224 (1.10~3.90) |
| Rated absorbed power (T=+35°C) | | kW | 0.80 (0.10~1.24) | 0.998 (0.08~1.6) |
| Rated energy efficiency coefficient | | EER[1] | 3.30 | 3.23 |
| Rated capacity (T=+7°C) | Heating | kW | 2.49 (0.81~3.34) | 3.31 (1.08~4.13) |
| Rated absorbed power (T=+7°C) | | kW | 0.67 (0.12~1.20) | 0.88 (0.17~1.40) |
| Rated energy performance coefficient | | COP[1] | 3.72 | 3.76 |
| **Seasonal data** | | | | |
| Theoretical load (Pdesignc) | Cooling | kW | 2.60 | 3.20 |
| Seasonal energy efficiency index | | SEER[2] | 7.00 | 7.10 |
| Seasonal energy efficiency class | | 626/2011[3] | A++ | A++ |
| Annual energy consumption | | kWh/y | 130 | 160 |
| Theoretical load (Pdesignh) @ -10°C | Heating (average climate conditions) | kW | 2.30 | 2.80 |
| Seasonal energy efficiency index | | SCOP[2] | 4.10 | 4.10 |
| Seasonal energy efficiency class | | 626/2011[3] | A+ | A+ |
| Annual energy consumption | | kWh/y | 792 | 957 |
| **Electrical data** | | | | |
| Power supply | Outdoor unit | Ph-V-Hz | 1Ph - 220/240V - 50Hz | |
| Power cable | | type | 3 x 2.5 mm2 | |
| Connection wires between I.U. and O.U. | | no. | 5 | 5 |
| Rated absorbed current | Cooling | A | 3.50 (0.40~5.40) | 4.30 (0.80~7.30) |
| | Heating | A | 2.90 (0.50~5.50) | 3.80 (1.40~6.40) |
| Maximum current | | A | 10.00 | 10.00 |
| Maximum absorbed power | | kW | 2.15 | 2.15 |
| **Refrigerant circuit** | | | | |
| Refrigerant[4] | | type (GWP) | R32 (675) | |
| Quantity refrigerant pre-load | | Kg | 0.47 | 0.52 |
| Tons of CO2 equivalent | | t | 0.317 | 0.351 |
| Diameter of refrigerant piping on liquid/gas | | mm (inches) | 6.35(1/4") / 9.52(3/8") | 6.35(1/4") / 9.52(3/8") |
| Max splitting length | | m | 25 | 25 |
| Max height difference U.I./O.U. | | m | 10 | 10 |
| Split length without additional charge | | m | 5 | 5 |
| Additional charge | | g/m | 12 | 12 |
| **Indoor unit specifications** | | | | |
| Dimensions | LxDxH | mm | 715x194x285 | 805x194x285 |
| Net weight | | Kg | 6.7 | 7.3 |
| Sound pressure level | Hi | dB(A) | 50 | 55 |
| Sound power level | Hi/Mi/Lo/Si | dB(A) | 37/32/25/21.5 | 39.5/35.5/25/21.5 |
| Treated air volume | Hi/Mi/Lo | m3/h | 435/333/259 | 530/430/310 |
| **Outdoor unit specifications** | | | | |
| Dimensions | LxDxH | mm | 720x270x495 | 720x270x495 |
| Net weight | | Kg | 21 | 21 |
| Sound power level | | dB(A) | 59 | 63 |
| Sound pressure level | | dB(A) | 55 | 55 |
| Treated air volume | Max | m3/h | 1750 | 1750 |
| Operating range (outdoor temperature) | Cooling | °C | -15~50 | |
| | Heating | °C | -20~30 | |
| **Optional parts** | | | | |
| Wi-Fi module | | | HKM-WIFI-TB | |
| Wired remote control | | | NO | |
| Centralized control | | | NO | |

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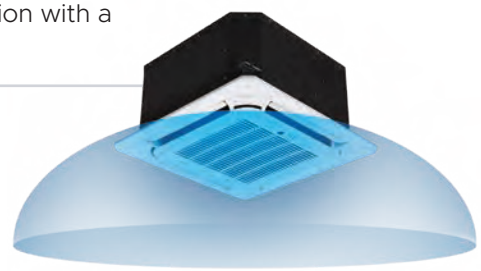
# COMPACT **CASSETTE** 60x60

## MONOSPLIT COMPACT CASSETTE

The cassette type air conditioning units are designed for commercial and residential applications. They are ideal for open space or irregular-shaped rooms, and they can comfortably and discreetly fit in any location with a suspended ceiling.

360°

**8-way TFP 200 ZA** panel with 360° air diffusion



## OPERATION

-15~**50°**C
**in cooling**

-15~24°C
**in heating**

## PERFORMANCE

| MODEL | SEER | SCOP |
|---|---|---|
| **3.52 kW** | 6.60/A++ | 4.10/A+ |
| **5.28 kW** | 6.30/A++ | 4.00/A+ |

# COMPACT **CASSETTE** 60x60

HTFU 351-531 ZAL

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

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

**Pre-set for external air inlet**

Remote control included as standard

**Wi-Fi** optional

| **Indoor unit model** | | | **HTFU 351 ZAL** | **HTFU 531 ZAL** |
|---|---|---|---|---|
| **Outdoor unit model** | | | **HCKI 351 ZA-1** | **HCKI 531 ZA-1** |
| **Type** | | | DC-Inverter heat pump | |
| Control (included) | | | IR Remote control | |
| **Nominal data** | | | | |
| Rated capacity (T=+35°C) | Cooling | 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[1] | 3.48 | 3.23 |
| Rated capacity (T=+7°C) | Heating | kW | 3.81 (0.47~4.31) | 5.18 (2.37~6.10) |
| Rated absorbed power (T=+7°C) | | kW | 1.02 (0.12~1.38) | 1.38 (0.70~1.93) |
| Rated energy performance coefficient | | COP[1] | 3.74 | 3.75 |
| **Seasonal data** | | | | |
| Theoretical load (Pdesignc) | Cooling | kW | 3.50 | 5.30 |
| Seasonal energy efficiency index | | SEER[2] | 6.60 | 6.30 |
| Seasonal energy efficiency class | | 626/2011[3] | A++ | A++ |
| Annual energy consumption | | kWh/y | 186 | 294 |
| Theoretical load (Pdesignh) @ -10°C | Heating (average climate conditions) | kW | 2.70 | 4.20 |
| Seasonal energy efficiency index | | SCOP[2] | 4.10 | 4.00 |
| Seasonal energy efficiency class | | 626/2011[3] | A+ | A+ |
| Annual energy consumption | | kWh/y | 922 | 1470 |
| **Electrical data** | | | | |
| Power supply | Outdoor unit | Ph-V-Hz | 1Ph - 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 | 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[4] | | Type (GWP) | R32 (675) | |
| Quantity refrigerant pre-load | | Kg | 0.71 | 1.15 |
| Tons of CO2 equivalent | | t | 0.479 | 0.776 |
| Diameter of refrigerant piping on liquid/gas | | mm (inches) | 6.35(1/4") / 9.52(3/8") | 6.35(1/4") / 12.74(1/2") |
| Max splitting length | | m | 25 | 30 |
| Max height difference I.U/O.U. | | m | 10 | 20 |
| Split length without additional charge | | m | 5 | 5 |
| Additional charge | | g/m | 12 | 12 |
| **Indoor unit specifications** | | | | |
| Dimensions | LxDxH | mm | 570x570x260 | 570x570x260 |
| Net weight | | Kg | 16.3 | 16.5 |
| Sound power level | Hi | dB(A) | 56 | 57 |
| Sound pressure level | Hi/Mi/Lo | dB(A) | 42/37.5/34.5 | 45.4/44/39 |
| Treated air volume | Hi/Mi/Lo | m³/h | 569/485/389 | 680/584/479 |
| Condensate drain pipe diameter | | mm | ø25 | ø25 |
| **Outdoor unit specifications** | | | | |
| Dimensions | LxDxH | mm | 765x303x555 | 805x330x554 |
| Net weight | | Kg | 26.6 | 32.5 |
| Sound power level | | dB(A) | 61 | 65 |
| Sound pressure level | | dB(A) | 53.6 | 56 |
| Treated air volume | Max | m³/h | 2200 | 2100 |
| Operating range (outdoor temperature) | Cooling | °C | -15~50 | |
| | Heating | °C | -15~24 | |
| **Accessories** | | | | |
| **Decorative panel** | | | TFP 200 ZA | |
| Dimensions | LxDxH | mm | 647x647x50 | |
| Net weight | | Kg | 2.5 | |
| **Optional parts** | | | | |
| Wi-Fi module | | | On demand | |
| Wired remote control | | | DHW-WT-ZA | |
| Centralized control | | | DTC IHXR TOUCH / DTCWT IHXR | |
| Wi-Fi centralized control | | | XRV Mobile BMS | |

1. Value measured according to the harmonised standard EN14511. 2. EU Regulation No. 206/2012 - - Value measured according to the harmonised standard EN14825. 3. Delegated Regulation (EU) No. 626/2011 regarding the new energy labelling of air conditioners. 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 higher than 1 kg of CO2, over a period of 100 years. Under no cicrumstances should the user try to intervene on the refrigerant circuit or disassemble the product. Always contact qualified personnel if necessary.

# SLIM **CASSETTE** 84x84

## MONOSPLIT CASSETTE TYPE UNIT

The 8-way cassette type units for suspended ceilings combine exceptional features with a sophisticated design. They offer high seasonal efficiency and advanced control options. This range is extremely flexible and uses low GWP R32 refrigerant.

## OPERATION

-15~**50°**C
**in cooling**

-15~24°C
**in heating**

## PERFORMANCE

| MODEL | SEER | SCOP |
|---|---|---|
| **6.16 kW** | 6.20/A++ | 4.00/A+ |
| **10.01 kW** | 6.40/A++ | 4.00/A+ |
| **12.93 kW** | 6.10/A++ | 4.00/A+ |
| **13.57 kW** | 6.30/A++ | 4.00/A+ |

# SLIM **CASSETTE** 84x84

HTBI 711-1081-1401-1601 ZA

**-15~50° C** in cooling
**-15~24° C** in heating
**8-way TBP 711 ZA panel**

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

**Pre-set for external air inlet**
Remote control included as standard

**Wi-Fi**
optional

| **Indoor unit model** | | | **HTBI 711 ZA** | **HTBI 1081 ZA** | **HTBI 1401 ZA** | **HTBI 1601 ZA** |
|---|---|---|---|---|---|---|
| **Outdoor unit model** | | | **HCKI 711 ZA-1** | **HCSI 1081 ZA-1** | **HCSI 1401 ZA-1** | **HCSI 1601 ZA-1** |
| **Type** | | | DC-Inverter heat pump | | | |
| Control (included) | | | IR Remote control | | | |
| **Nominal data** | | | | | | |
| Rated capacity (T=+35°C) | Cooling | kW | 6.16 (3.30~7.91) | 10.01 (2.70~11.43) | 12.93 (3.52~15.83) | 13.57 (4.10~16.71) |
| Rated absorbed power (T=+35°C) | | kW | 1.88 (0.78~2.75) | 3.04 (0.89~4.15) | 3.97 (0.80~5.90) | 4.16 (0.98~6.20) |
| Rated energy efficient coefficient | | EER[1] | 3.28 | 3.29 | 3.26 | 3.26 |
| Rated capacity (T=+7°C) | Heating | kW | 7.62 (2.81~8.94) | 11.14 (2.78~12.30) | 15.44 (4.10~17.29) | 15.30 (4.40~19.93) |
| Rated absorbed power (T=+7°C) | | kW | 1.90 (0.61~2.70) | 3.00 (0.78~4.00) | 4.14 (0.90~5.50) | 4.07 (1.02~6.70) |
| Rated energy performance coefficient | | COP[1] | 4.01 | 3.71 | 3.73 | 3.76 |
| **Seasonal data** | | | | | | |
| Theoretical load (Pdesignc) | Cooling | kW | 7.00 | 10.50 | 14.00 | 15.30 |
| Seasonal energy efficiency index | | SEER[2] | 6.20 | 6.40 | 6.10 | 6.30 |
| Seasonal energy efficiency class | | 626/2011[3] | A++ | A++ | A++ | A++ |
| Annual energy consumption | | kWh/y | 395 | 574 | 803 | 850 |
| Theoretical load (Pdesignh) @ -10°C | Heating.. (average climate conditions) | kW | 6.00 | 8.20 | 11.00 | 11.90 |
| Seasonal energy efficiency index | | SCOP[2] | 4.00 | 4.00 | 4.00 | 4.00 |
| Seasonal energy efficiency class | | 626/2011[3] | A+ | A+ | A+ | A+ |
| Annual energy consumption | | kWh/y | 2100 | 2870 | 3850 | 4165 |
| **Electrical data** | | | | | | |
| Power supply | Outdoor unit | Ph-V-Hz | 1Ph - 220/240V - 50Hz | 3Ph - 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 | 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 current | | kW | 3.70 | 5.00 | 6.90 | 7.50 |
| **Refrigerant circuit** | | | | | | |
| Refrigerant[4] | | Type (GWP) | 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) | 9.52(3/8") / 15.88(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 charge | | m | 5 | 5 | 5 | 5 |
| Additional charge | | 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 power level | Hi | dB(A) | 57 | 63 | 65 | 65 |
| Sound pressure level | Hi/Mi/Lo | dB(A) | 50/47.5/42 | 51/49/46 | 52.5/50.5/48 | 54.5/52/49.5 |
| Treated air volume | Hi/Mi/Lo | m³/h | 1247/1118/992 | 1700/1530/1300 | 1900/1750/1600 | 2000/1850/1650 |
| Condensate drain pipe diameter | | mm | ø25 | ø25 | ø25 | ø25 |
| **Outdoor unit specifications** | | | | | | |
| Dimensions | LxDxH | mm | 890x342x673 | 946x410x810 | 952x415x1333 | 952x415x1333 |
| Net weight | | Kg | 43.9 | 80.5 | 103.7 | 107 |
| Sound power level | | dB(A) | 67 | 70 | 73 | 74 |
| Sound pressure level | | dB(A) | 60 | 63 | 63.5 | 64 |
| Treated air volume | Max | m³/h | 3500 | 4000 | 7500 | 7500 |
| Operating range (outdoor temperature) | Cooling | °C | -15~50 | | | |
| | Heating | °C | -15~24 | | | |
| **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 | | | DHW-WT-ZA | | | |
| Centralized control | | | DTC IHXR TOUCH / DTCWT IHXR | | | |
| Wi-Fi centralized control | | | XRV Mobile BMS | | | |

1. Value measured according to the harmonised standard EN14511. 2. EU Regulation No. 206/2012 - - Value measured according to the harmonised standard EN14825. 3. Delegated Regulation (EU) No. 626/2011 regarding the new energy labelling of air conditioners. 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 higher than 1 kg of CO2, over a period of 100 years. Under no cicrumstances should the user try to intervene on the refrigerant circuit or disassemble the product. Always contact qualified personnel if necessary.

# **DUCTED** WITH MEDIUM STATIC PRESSURE

## MONOSPLIT DUCTED TYPE UNIT

The Hokkaido Ducted systems combine first class features with a plain design for easy installation and maintenance. Our ducted air conditioning units are suitable for both residential and commercial applications.

## OPERATION

-15~**50°**C
**in cooling**

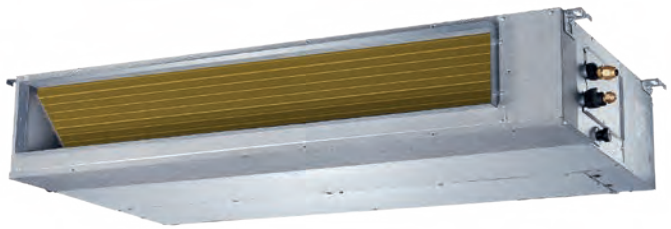
-15~24°C
**in heating**

## PERFORMANCE

| MODEL | SEER | SCOP |
|---|---|---|
| **3.52 kW** | 6.30/A++ | 4.00/A+ |
| **5.28 kW** | 6.50/A++ | 4.00/A+ |
| **7.03 kW** | 6.20/A++ | 4.00/A+ |
| **9.97 kW** | 6.10/A++ | 4.00/A+ |
| **12.71 kW** | 6.10/A++ | 4.00/A+ |
| **13.01 kW** | 6.10/A++ | 4.00/A+ |

# **DUCTED** WITH MEDIUM STATIC PRESSURE

HUCU 351-531 ZAL



**-15~50º C** in cooling
**-15~24º C** in heating
Compatible with systems AIRZONE

Condensate drain pump included with possibility of raising the discharge up to 750 mm from the lower height.
**100 Pa** | Automatic adjustment of the static pressure of the fan at constant flow rate.

**Wired remote control included**

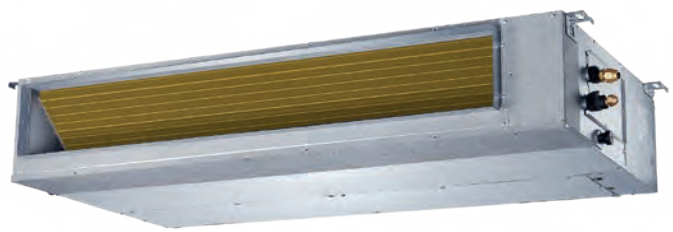
**Wi-Fi** optional

| **Indoor unit model** | | | **HUCU 351 ZAL** | **HUCU 531 ZAL** |
|---|---|---|---|---|
| **Outdoor unit model** | | | **HCKI 351 ZA-1** | **HCKI 531 ZA-1** |
| **Type** | | | DC-Inverter heat pump | |
| Control (included) | | | Wired remote control | |
| **Nominal data** | | | | |
| Rated capacity (T=+35ºC) | Cooling | kW | 3.52 (0.53~3.99) | 5.28 (2.55~5.86) |
| Rated absorbed power (T=+35ºC) | | kW | 1.05 (0.16~1.37) | 1.53 (0.71~2.15) |
| Rated energy efficiency coefficient | | EER[1] | 3.34 | 3.45 |
| Rated capacity (T=+7ºC) | Heating | kW | 3.81 (1.00~4.39) | 5.57 (2.20~6.15) |
| Rated absorbed power (T=+7ºC) | | kW | 1.03 (0.30~1.39) | 1.50 (0.74~1.76) |
| Rated enegy performance coefficient | | COP[1] | 3.71 | 3.71 |
| **Seasonal data** | | | | |
| Theoretical load (Pdesignc) | Cooling | kW | 3.50 | 5.40 |
| Seasonal energy efficiency index | | SEER[2] | 6.30 | 6.50 |
| Seasonal energy efficiency class | | 626/2011[3] | A++ | A++ |
| Annual energy consumption | | kWh/y | 194 | 291 |
| Theoretical load (Pdesignh) @ -10ºC | Heating (average climate conditions) | kW | 2.70 | 4.30 |
| Seasonal energy efficiency index | | SCOP[2] | 4.00 | 4.00 |
| Seasonal energy efficiency class | | 626/2011[3] | A+ | A+ |
| Annual energy consumption | | kWh/y | 945 | 1505 |
| **Electrical data** | | | | |
| Power supply | Outdoor unit | Ph-V-Hz | 1Ph - 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 power | 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[4] | | Type (GWP) | R32 (675) | |
| Quantity refrigerant pre-load | | Kg | 0.71 | 1.15 |
| Tons of CO2 equivalent | | t | 0.479 | 0.776 |
| Diameter of refrigerant piping on liquid/gas | | mm (inches) | 6.35(1/4") / 9.52(3/8") | 6.35(1/4") / 12.74(1/2") |
| Max splitting length | | m | 25 | 30 |
| Max height difference I.U./O.U. | | m | 10 | 20 |
| Split length withour additional charge | | m | 5 | 5 |
| Additional charge | | g/m | 12 | 12 |
| **Indoor unit specifications** | | | | |
| Dimensions | LxDxH | mm | 700x506x200 | 880x674x210 |
| Net weight | | Kg | 17.8 | 24.4 |
| Sound power level | Hi | dB(A) | 57 | 58 |
| Sound pressure level | Hi/Mi/Lo | dB(A) | 34.5/32/30 | 42/39/35 |
| Treated air volume | Hi/Mi/Lo | m$^3$/h | 600/480/300 | 911/706/515 |
| Fan static pressure | Std/Max | Pa | 25/60 | 25/100 |
| Condensate drain pipe diameter | | mm | ø25 | ø25 |
| **Outdoor unit specifications** | | | | |
| Dimensions | LxDxH | mm | 765x303x555 | 805x330x554 |
| Net weight | | Kg | 26.6 | 32.5 |
| Sound power level | | dB(A) | 61 | 65 |
| Sound pressure level | | dB(A) | 53.6 | 56 |
| Treated air volume | Max | m$^3$/h | 2200 | 2100 |
| Operating range (outdoor temperature) | Cooling | ºC | -15~50 | |
| | Heating | ºC | -15~24 | |
| **Optional parts** | | | | |
| Wi-Fi module | | | On demand | |
| Centralized control | | | DTC IHXR TOUCH / DTCWT IHXR | |
| Wi-Fi centralized control | | | XRV Mobile BMS | |

1. Value measured according to the harmonised standard EN14511. 2. EU Regulation No. 206/2012 - - Value measured according to the harmonised standard EN14825. 3. Delegated Regulation (EU) No. 626/2011 regarding the new energy labelling of air conditioners. 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 higher than 1 kg of CO2, over a period of 100 years. Under no cicrumstances should the user try to intervene on the refrigerant circuit or disassemble the product. Always contact qualified personnel if necessary.

# **DUCTED** WITH MEDIUM STATIC PRESSURE

HUCU 351-531 ZAL



**-15~50° C** in cooling
**-15~24° C** in heating
Compatible with systems AIRZONE

Condensate drain pump included with possibility of raising the discharge up to 750 mm from the lower height
**160 Pa** | Automatic adjustment of the static pressure of the fan at constant flow rate

**Wired remote control included**

**Wi-Fi** optional

| **Indoor unit model** | | | **HUCI 711 ZA** | **HUCI 1081 ZA** | **HUCI 1401 ZA** | **HUCI 1601 ZA** |
|---|---|---|---|---|---|---|
| **Outdoor unit model** | | | **HCKI 711 ZA-1** | **HCSI 1081 ZA-1** | **HCSI 1401 ZA-1** | **HCSI 1601 ZA-1** |
| **Type** | | | DC-Inverter heat pump | | | |
| Control (included) | | | Wired remote control | | | |
| **Nominal data** | | | | | | |
| Rated capacity (T=+35°C) | Cooling | kW | 7.03 (3.28~8.16) | 9.97 (2.73~11.78) | 12.71 (3.52~15.53) | 13.01 (4.10~17.29) |
| Rated absorbed power (T=+35°C) | | kW | 2.18 (0.75~2.96) | 3.04 (0.89~4.20) | 3.90 (0.88~6.00) | 3.94 (1.03~6.65) |
| Rated energy efficiency coefficient | | EER[1] | 3.23 | 3.28 | 3.25 | 3.30 |
| Rated capacity (T=+7°C) | Heating | kW | 7.62 (2.81~8.49) | 11.25 (2.78~12.84) | 15.03 (4.10~18.17) | 16.83 (4.40~20.52) |
| Rated absorbed power (T=+7°C) | | kW | 1.90 (0.64~2.58) | 2.88 (0.78~4.00) | 4.02 (0.95~5.70) | 4.48 (0.95~6.60) |
| Rated energy performance coefficient | | COP[1] | 4.01 | 3.91 | 3.74 | 3.76 |
| **Seasonal data** | | | | | | |
| Theoretical load (Pdesignc) | Cooling | kW | 7.10 | 10.60 | 14.00 | 15.30 |
| Seasonal energy efficiency index | | SEER[2] | 6.20 | 6.10 | 6.10 | 6.10 |
| Seasonal energy efficiency class | | 626/2011[3] | A++ | A++ | A++ | A++ |
| Annual energy consumption | | kWh/y | 401 | 608 | 803 | 878 |
| Theoretical load (Pdesignh) @ -10°C | Heating (average climate conditions) | kW | 5.40 | 8.80 | 11.50 | 12.50 |
| Seasonal energy efficiency index | | SCOP[2] | 4.00 | 4.00 | 4.00 | 4.00 |
| Seasonal energy efficiency class | | 626/2011[3] | A+ | A+ | A+ | A+ |
| Annual energy consumption | | kWh/y | 1890 | 3080 | 4025 | 4375 |
| **Electrical data** | | | | | | |
| Power supply | Outdoor unit | Ph-V-Hz | 1Ph - 220/240V - 50Hz | 3Ph - 380/415V - 50Hz | | |
| Power cable | | Type | 3 x 4 mm$^2$ | 5 x 2.5 mm$^2$ | 5 x 4 mm$^2$ | 5 x 4 mm$^2$ |
| Connection wires between I.U.and O.U. | | no. | 4 | 4 | 4 | 4 |
| Rated absorbed current | 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[4] | | Type (GWP) | 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) | 9.52(3/8") / 15.88(5/8") | | | |
| Max splitting length | | m | 50 | 75 | 75 | 75 |
| Max height difference I.U./O.U. | | m | 25 | 30 | 30 | 30 |
| Split length without additional charge | | m | 5 | 5 | 5 | 5 |
| Additional charge | | 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 power level | Hi | dB(A) | 61 | 61 | 66 | 66 |
| Sound pressure level | Hi/Mi/Lo | dB(A) | 49/46/41 | 50.5/49/47 | 51.5/49/47 | 52.5/49/47 |
| Treated air volume | Hi/Mi/Lo | m$^3$/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 |
| Condensate drain pipe diameter | | mm | ø25 | ø25 | ø25 | ø25 |
| **Outdoor unit specifications** | | | | | | |
| Dimensions | LxDxH | mm | 890x342x673 | 946x410x810 | 952x415x1333 | 952x415x1333 |
| Net weight | | Kg | 43.9 | 80.5 | 103.7 | 107 |
| Sound power level | | dB(A) | 67 | 70 | 73 | 74 |
| Sound pressure level | | dB(A) | 60 | 63 | 63.5 | 64 |
| Treated air volume | Max | m$^3$/h | 3500 | 4000 | 7500 | 7500 |
| Operating range (outdoor temperature) | Cooling | °C | -15~50 | | | |
| | Heating | °C | -15~24 | | | |
| **Optional parts** | | | | | | |
| Wi-Fi module | | | On demand | | | |
| Centralized control | | | DTC IHXR TOUCH / DTCWT IHXR | | | |
| Wi-Fi centralized control | | | XRV Mobile BMS | | | |

1. Value measured according to the harmonised standard EN14511. 2. EU Regulation No. 206/2012 - - Value measured according to the harmonised standard EN14825. 3. Delegated Regulation (EU) No. 626/2011 regarding the new energy labelling of air conditioners. 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 higher than 1 kg of CO2, over a period of 100 years. Under no cicrumstances should the user try to intervene on the refrigerant circuit or disassemble the product. Always contact qualified personnel if necessary.

# CONSOLE

## MONOSPLIT CONSOLE TYPE UNIT

The new Hokkaido console indoor unit was designed to provide best functionalitycombined with a pleasant and modern look.
Thanks to the diversified air flows, these indoor units allow to obtain a high level of thermal comfort in your room.

## OPERATION

-15~**50°**C
**in cooling**

-15~24°C
**in heating**

## PERFORMANCE

| MODEL | SEER | SCOP |
|---|---|---|
| **3.52 kW** | 7.30/A++ | 4.00/A+ |
| **4.98 kW** | 6.70/A++ | 4.00/A+ |

# CONSOLE

HFIU 351-501 ZAL

- **-15~50° C** in cooling
- **-15~24° C** in heating
- Extremely compact with only **200 mm depth**

- Possibility of **double delivery**, from upper and lower flap
- Double installation option, floor or wall using a bracket

- Remote control included as standard

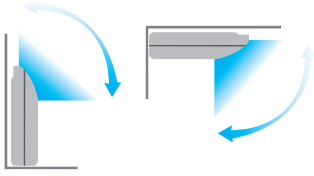
**Wi-Fi** optional

| Indoor unit model | | | HFIU 351 ZAL | HFIU 501 ZAL |
|---|---|---|---|---|
| Outdoor unit model | | | HCKI 351 ZA-1 | HCKI 531 ZA-1 |
| Type | | | DC-Inverter heat pump | |
| Control (included) | | | Remote control | |
| **Nominal data** | | | | |
| Rated capacity (T=+35°C) | Cooling | kW | 3.52 (0.76~4.25) | 4.98 (2.64~5.57) |
| Rated absorbed power (T=+35°C) | | kW | 1.00 (0.17~1.35) | 1.50 (0.65~1.95) |
| Rated energy efficiency coefficient | | EER[1] | 3.52 | 3.32 |
| Rated capacity (T=+7°C) | Heating | kW | 3.81 (0.45~4.69) | 5.28 (2.20~6.30) |
| Rated absorbed power (T=+7°C) | | kW | 0.98 (0.15~1.30) | 1.42 (0.60~1.90) |
| Rated energy performance coefficient | | COP[1] | 3.89 | 3.72 |
| **Seasonal data** | | | | |
| Theoretical load (Pdesignc) | Cooling | kW | 3.50 | 5.00 |
| Seasonal energy efficiency index | | SEER[1] | 7.30 | 6.70 |
| Seasonal energy efficiency class | | 626/2011[3] | A++ | A++ |
| Annual energy consumption | | kWh/y | 168 | 261 |
| Theoretical load (Pdesignh) @ -10°C | Heating (average climate conditions) | kW | 2.60 | 4.00 |
| Seasonal energy efficiency index | | SCOP[2] | 4.00 | 4.00 |
| Seasonal energy efficiency class | | 626/2011[3] | A+ | A+ |
| Annual energy consumption | | kWh/y | 910 | 1400 |
| **Electrical data** | | | | |
| Power supply | Outdoor unit | Ph-V-Hz | 1Ph - 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 | Cooling | A | 4.50 (1.40~5.90) | 6.70 (3.00~8.70) |
| | Heating | A | 4.40 (1.30~6.00) | 6.40 (2.80~8.50) |
| Maximum current | | A | 9.00 | 13.50 |
| Maximum absorbed power | | kW | 1.85 | 2.95 |
| **Refrigerant circuit** | | | | |
| Refrigerant[4] | | Type (GWP) | R32 (675) | |
| Quantity refrigerant pre-load | | Kg | 0.71 | 1.15 |
| Tons of CO2 equivalent | | t | 0.479 | 0.776 |
| Diameter of refrigerant piping on liquid/gas | | mm (inches) | 6.35(1/4") / 9.52(3/8") | 6.35(1/4") / 12.74(1/2") |
| Max splitting length | | m | 25 | 30 |
| Max height difference I.U/O.U. | | m | 10 | 20 |
| Split length without additional charge | | m | 5 | 5 |
| Additional charge | | g/m | 12 | 12 |
| **Indoor unit specifications** | | | | |
| Dimensions | LxDxH | mm | 794x200x621 | 794x200x621 |
| Net weight | | Kg | 14.9 | 14.9 |
| Sound power level | Hi | dB(A) | 54 | 55 |
| Sound pressure level | Hi/Mi/Lo | dB(A) | 37/34/27 | 41/38/32 |
| Treated air volume | Hi/Mi/Lo | m³/h | 650/580/490 | 780/690/600 |
| Condensate drain pipe diameter | | mm | ø16 | ø16 |
| **Outdoor unit specifications** | | | | |
| Dimensions | LxDxH | mm | 765x303x555 | 805x330x554 |
| Net weight | | Kg | 26.6 | 32.5 |
| Sound power level | | dB(A) | 62 | 63 |
| Sound pressure level | | dB(A) | 54 | 55 |
| Treated air volume | Max | m³/h | 2200 | 2100 |
| Operating range (outdoor temperature) | Cooling | °C | -15~50 | |
| | Heating | °C | -15~24 | |
| **Optional parts** | | | | |
| Wi-Fi module | | | HKM-WiFi-TB | |
| Wired remote control | | | NO | |
| Centralized control | | | NO | |
| Wi-Fi centralized control | | | NO | |

1. Value measured according to the harmonised standard EN14511. 2. EU Regulation No. 206/2012 - - Value measured according to the harmonised standard EN14825. 3. Delegated Regulation (EU) No. 626/2011 regarding the new energy labelling of air conditioners. 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 higher than 1 kg of CO2, over a period of 100 years. Under no cicrumstances should the user try to intervene on the refrigerant circuit or disassemble the product. Always contact qualified personnel if necessary.

# FLOOR/CEILING

## TWO WAYS OF INSTALLATION



New design and easy control, stylish with a slim profile.

The wide air distribution louver with aerodynamic flaps ensure fast and silent operation.

## OPERATION

-15~**50°**C
**in cooling**

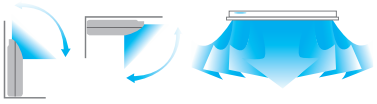
-15~24°C
**in heating**

## PERFORMANCE

| MODEL | SEER | SCOP |
|---|---|---|
| **5.28 kW** | 6.20/A++ | 4.00/A+ |
| **6.80 kW** | 6.10/A++ | 4.00/A+ |
| **10.09 kW** | 6.40/A++ | 4.10/A+ |
| **11.89 kW** | 6.10/A++ | 4.00/A+ |
| **13.14 kW** | 6.10/A++ | 4.00/A+ |

# FLOOR /CEILING

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



Double installation flexibility

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

Turbo function, to heat and cool the environment quickly

Remote control included as standard

**Wi-Fi** optional

| Indoor unit model | | | HSFU 531 ZAL | HSFI 711 ZA1 | HSFI 1081 ZA1 | HSFI 1401 ZA1 | HSFI 1601 ZA1 |
|---|---|---|---|---|---|---|---|
| **Outdoor unit model** | | | **HCKI 531 ZA-1** | **HCKI 711 ZA-1** | **HCSI 1081 ZA-1** | **HCSI 1401 ZA-1** | **HCSI 1601 ZA-1** |
| **Type** | | | DC-Inverter heat pump | | | | |
| Control (included) | | | Remote control | | | | |
| **Nominal data** | | | | | | | |
| Rated capacity (T=+35°C) | Cooling | kW | 5.28 (2.71~5.86) | 6.80 (3.22~7.77) | 10.09 (2.73~11.78) | 11.89 (3.52~15.24) | 13.14 (4.10~16.71) |
| Rated absorbed power (T=+35°C) | | kW | 1.45 (0.67~2.03) | 2.06 (0.75~2.93) | 3.10 (0.89~4.30) | 3.60 (0.90~5.95) | 3.91 (1.10~6.65) |
| Rated energy efficiency coefficient | | EER[1] | 3.64 | 3.30 | 3.25 | 3.30 | 3.36 |
| Rated capacity (T=+7°C) | Heating | kW | 5.57 (2.42~6.30) | 7.62 (2.72~8.29) | 11.71 (2.81~12.78) | 13.51 (4.10~17.00) | 14.90 (4.40~19.64) |
| Rated absorbed power (T=+7°C) | | kW | 1.50 (0.54~1.64) | 2.05 (0.65~2.85) | 3.09 (0.78~3.95) | 3.60 (1.00~6.05) | 4.00 (1.05~7.10) |
| Rated energy performance coefficient | | COP[1] | 3.71 | 3.72 | 3.80 | 3.76 | 3.73 |
| **Seasonal data** | | | | | | | |
| Theoretical load (Pdesignc) | Cooling | kW | 5.40 | 7.20 | 10.50 | 14.00 | 15.50 |
| Seasonal energy efficiency index | | SEER[2] | 6.20 | 6.10 | 6.40 | 6.10 | 6.10 |
| Seasonal energy efficiency class | | 626/2011[3] | A++ | A++ | A++ | A++ | A++ |
| Annual energy consumption | | kWh/a | 305 | 413 | 574 | 803 | 916 |
| Theoretical load(Pdesignh) @ -10°C | Heating (average climate conditions) | kW | 4.00 | 5.50 | 8.60 | 11.20 | 11.90 |
| Seasonal energy efficiency index | | SCOP[2] | 4.00 | 4.00 | 4.10 | 4.00 | 4.00 |
| Seasonal energy efficiency class | | 626/2011[3] | A+ | A+ | A+ | A+ | A+ |
| Annual energy consumption | | kWh/a | 1400 | 1890 | 3150 | 4025 | 4165 |
| **Electrical data** | | | | | | | |
| Power supply | Outdoor unit | Ph-V-Hz | 1Ph - 220/240V - 50Hz | | 3Ph - 380/415V - 50Hz | | |
| Power cable | | Type | 3 x 4 mm$^2$ | 3 x 4 mm$^2$ | 5 x 2.5 mm$^2$ | 5 x 4 mm$^2$ | 5 x 4 mm$^2$ |
| Connection wires between I.U. and O.U. | | no. | 4 | 4 | 4 | 4 | 4 |
| Rated absorbed current | 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) | 5.4 0(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[4] | | Type (GWP) | 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) | 6.35(1/4") / 12.74(1/2") | 9.52(3/8") / 15.88(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 charge | | m | 5 | 5 | 5 | 5 | 5 |
| Additional charge | | g/m | 12 | 24 | 24 | 24 | 24 |
| **Indoor unit specifications** | | | | | | | |
| Dimensions | LxDxH | mm | 1068x675x235 | 1068x675x235 | 1650x675x235 | 1650x675x235 | 1650x675x235 |
| Net weight | | Kg | 28 | 28 | 41.5 | 41.7 | 42.3 |
| Sound power level | Hi | dB(A) | 57 | 55 | 64 | 67 | 67 |
| Sound pressure level | Hi/Mi/Lo | dB(A) | 44/41/37 | 51/47/43 | 51/47.5/45 | 53/50/46 | 55/52/48 |
| Treated air volume | Hi/Mi/Lo | m$^3$/h | 958/839/723 | 1192/1023/853 | 1955/1728/1504 | 2100/1850/1600 | 2200/1950/1650 |
| Condensate drain pipe diameter | | mm | ø25 | ø25 | ø25 | ø25 | ø25 |
| **Outdoor unit specifications** | | | | | | | |
| Dimensions | LxDxH | mm | 805x330x554 | 890x342x673 | 946x410x810 | 952x415x1333 | 952x415x1333 |
| Net weight | | Kg | 32.5 | 43.9 | 80.5 | 103.7 | 107 |
| Sound power level | | dB(A) | 65 | 67 | 70 | 73 | 74 |
| Sound pressure level | | dB(A) | 56 | 60 | 63 | 63.5 | 64 |
| Treated air volume | Max | m$^3$/h | 2100 | 3500 | 4000 | 7500 | 7500 |
| Operating range (outdoor temperature) | Cooling | °C | -15~50 | | | | |
| | Heating | °C | -15~24 | | | | |
| **Optional parts** | | | | | | | |
| Wi-Fi module | | | On demand | | | | |
| Wired remote control | | | DHW-WT-ZA | | | | |
| Centralized control | | | DTC IHXR TOUCH / DTCWT IHXR | | | | |
| Wi-Fi centralized control | | | XRV Mobile BMS | | | | |

1. Value measured according to the harmonised standard EN14511. 2. EU Regulation No. 206/2012 - - Value measured according to the harmonised standard EN14825. 3. Delegated Regulation (EU) No. 626/2011 regarding the new energy labelling of air conditioners. 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 higher than 1 kg of CO2, over a period of 100 years. Under no cicrumstances 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-1** |
| **Type** | | | DC-Inverter heat pump with 2 slim cassette type indoor units |
| Control (included) | | | Remote control |
| Operating range (outdoor temperature) | Cooling | °C | -15~50 |
| | Heating | °C | -15~24 |
| **Nominal data** | | | |
| Rated capacity (T=+35°C) | Cooling | kW | 12.93 (3.52~15.83) |
| Rated absorbed power (T=+35°C) | | kW | 3.97 (0.80~5.90) |
| Rated energy efficiency coefficient | | EER[1] | 3.26 |
| Rated capacity (T=+7°C) | Heating | kW | 15.44 (4.10~17.29) |
| Rated absorbed power (T=+7°C) | | kW | 4.14 (0.90~5.50) |
| Rated energy performance coefficient | | COP[1] | 3.73 |
| **Seasonal data** | | | |
| Theoretical load (Pdesignc) | Cooling | kW | 14.00 |
| Seasonal energy efficiency index | | SEER[2] | 6.10 |
| Seasonal energy efficiency class | | 626/2011[3] | A++ |
| Annual energy consumption | | kWh/y | 803 |
| Theoretical load (Pdesignh) @ -10°C | Heating (average climate conditions) | kW | 11.00 |
| Seasonal energy efficiency index | | SCOP[2] | 4.00 |
| Seasonal energy efficiency class | | 626/2011[3] | A+ |
| Annual energy consumption | | kWh/y | 3850 |
| **Electrical data** | | | |
| Power supply | Outdoor unit | Ph-V-Hz | 3Ph - 380/415V - 50Hz |
| Power cable | | Type | 5 x 4 mm[2] |
| Connection wires between I.U. and O.U. | | no. | 4 |
| Rated absorbed current | Cooling | A | 8.10 (1.80~10.20) |
| | Heating | A | 8.00 (1.90~9.50) |
| Maximum current | | A | 13.00 |
| Maximum absorbed current | | kW | 6.90 |
| **Refrigerant circuit** | | | |
| Refrigerant[4] | | Type (GWP) | 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) | 9.52(3/8") / 15.88(5/8") |
| | Outdoor unit | | |
| Max splitting length | | m | 75 |
| Max height difference I.U./O.U. | | m | 30 |
| Split length withour additional charge | | m | 5 |
| Additional charge | | 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-1** | **HCSI 1081 ZA-1** | **HCSI 1401 ZA-1** |
| **Type** | | | DC-Inverter heat pump with 2 ducted type indoor units | | |
| Control (included) | | | Wired remote control | | |
| Operating range (outdoor temperature) | Cooling | °C | -15~50 | | |
| | Heating | °C | -15~24 | | |
| **Nominal data** | | | | | |
| Rated capacity (T=+35°C) | Cooling | kW | 7.03 (3.28~8.16) | 9.97 (2.73~11.78) | 12.71 (3.52~15.53) |
| Rated absorbed power (T=+35°C) | | kW | 2.18 (0.75~2.96) | 3.04 (0.89~4.20) | 3.90 (0.88~6.00) |
| Rated energy efficiency coefficient | | EER[1] | 3.23 | 3.28 | 3.25 |
| Rated capacity (T=+7°C) | Heating | kW | 7.62 (2.81~8.49) | 11.25 (2.78~12.84) | 15.03 (4.10~18.17) |
| Rated absorbed power (T=+7°C) | | kW | 1.90 (0.64~2.58) | 2.88 (0.78~4.00) | 4.02 (0.95~5.70) |
| Rated energy performance coefficient | | COP[1] | 4.01 | 3.91 | 3.74 |
| **Seasonal data** | | | | | |
| Theoretical load (Pdesignc) | Cooling | kW | 7.10 | 10.60 | 14.00 |
| Seasonal energy efficiency index | | SEER[2] | 6.20 | 6.10 | 6.10 |
| Seasonal energy efficiency class | | 626/2011[3] | A++ | A++ | A++ |
| Annual energy consumption | | kWh/y | 401 | 608 | 803 |
| Theoretical load (Pdesignh) @ -10°C | Heating (average climate conditions) | kW | 5.40 | 8.80 | 11.50 |
| Seasonal energy efficiency index | | SCOP[2] | 4.00 | 4.00 | 4.00 |
| Seasonal energy efficiency class | | 626/2011[3] | A+ | A+ | A+ |
| Annual energy consumption | | kWh/y | 1890 | 3080 | 4025 |
| **Electrical data** | | | | | |
| Power supply | Outdoor unit | Ph-V-Hz | 1Ph - 220/240V - 50Hz | 3Ph - 380/415V - 50Hz | |
| Power cable | | Type | 3 x 4 mm[2] | 5 x 2.5 mm[2] | 5 x 4 mm[2] |
| Connection wires between I.U. and O.U. | | no. | 4 | 4 | 4 |
| Rated absorbed current | 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[4] | | Type (GWP) | 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) | 6.35(1/4") / 9.52(3/8") | 6.35(1/4") / 12.74(1/2") | 9.52(3/8") / 15.88(5/8") |
| | Outdoor unit | | 9.52(3/8") / 15.88(5/8") | 9.52(3/8") / 15.88(5/8") | |
| Max splitting length | | m | 50 | 75 | 75 |
| Max height difference I.U./O.U. | | m | 25 | 30 | 30 |
| Split length without additional charge | | m | 5 | 5 | 5 |
| Additional charge | | 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-1 | HCSI 1401 ZA-1 |
| Type | | | DC-Inverter heat pump with 2 floor/ceiling type indoor units | |
| Control (included) | | | Remote control | |
| Operating range (outdoor temperature) | Cooling | °C | -15~50 | |
| | Heating | °C | -15~24 | |
| **Nominal data** | | | | |
| Rated capacity (T=+35°C) | Cooling | kW | 10.09 (2.73~11.78) | 11.89 (3.52~15.24) |
| Rated absorbed power (T=+35°C) | | kW | 3.10 (0.89~4.30) | 3.60 (0.90~5.95) |
| Rated energy efficiency coefficient | | EER[1] | 3.25 | 3.30 |
| Rated capacity (T=+7°C) | Heating | kW | 11.71 (2.81~12.78) | 13.51 (4.10~17.00) |
| Rated absorbed power (T=+7°C) | | kW | 3.09 (0.78~3.95) | 3.60 (1.00~6.05) |
| Rated energy performance coefficient | | COP[1] | 3.80 | 3.76 |
| **Seasonal data** | | | | |
| Theoretical load (Pdesignc) | Cooling | kW | 10.50 | 14.00 |
| Seasonal energy efficiency index | | SEER[2] | 6.40 | 6.10 |
| Seasonal energy efficiency class | | 626/2011[3] | A++ | A++ |
| Annual energy consumption | | kWh/y | 574 | 803 |
| Theoretical load (Pdesignh) @ -10°C | Heating (average climate conditions) | kW | 8.60 | 11.20 |
| Seasonal energy efficiency index | | SCOP[2] | 4.10 | 4.00 |
| Seasonal energy efficiency class | | 626/2011[3] | A+ | A+ |
| Annual energy consumption | | kWh/y | 3150 | 4025 |
| **Electrical data** | | | | |
| Power supply | Outdoor unit | Ph-V-Hz | 3Ph - 380/415V - 50Hz | |
| Power cable | | Type | 5 x 2.5 mm2 | 5 x 4 mm2 |
| Connection wires between I.U. and O.U. | | no. | 4 | 4 |
| Rated absorbed power | 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[4] | | Type (GWP) | 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) | 6.35(1/4") / 12.74(1/2") | 9.52(3/8") / 15.88(5/8") |
| | Outdoor unit | | 9.52(3/8") / 15.88(5/8") | |
| Max splitting length | | m | 75 | 75 |
| Max height difference I.U./O.U. | | m | 30 | 30 |
| Split length without additional charge | | m | 5 | 5 |
| Additional charge | | g/m | 24 | 24 |

For the specifications of indoor/outdoor units, the connectable accessories and the optional parts, please refer to the Tables of Mono Models.
1. Value measured according to the harmonised standard EN14511. 2. EU Regulation No. 206/2012 - - Value measured according to the harmonised standard EN14825. 3. Delegated Regulation (EU) No. 626/2011 regarding the new energy labelling of air conditioners. 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 higher than 1 kg of CO2, over a period of 100 years. Under no cicrumstances should the user try to intervene on the refrigerant circuit or disassemble the product. Always contact qualified personnel if necessary.

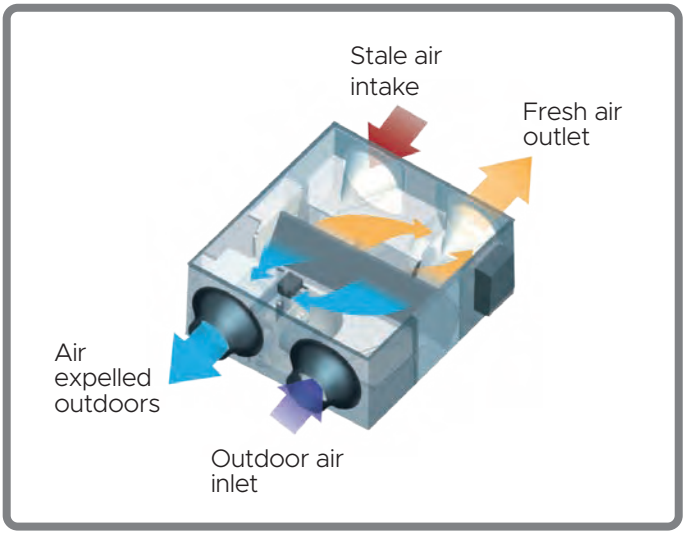
The indoor units that can be used in the Twin combinations are the slim cassette, the medium static pressure ducted unit and the floor/ceiling unit combined with outdoor units HCKI 711 ZA-1, HCSI 1081 ZA-1, HCSI 1401 ZA-1.

# TOTAL HEAT EXCHANGER

EHIN 304~404

EHIN 504~2004

The wired controller must be purchased as an accessory




- 7 capacities: 300~2000 m³/h.
- DC Inverter fan.
- Mandatory wire controller.

**Enthalpy heat recovey unit.**
**Energy recovery during heat exchange inside the rooms**

Ventilation units with heat recovery are suited for use in bars, restaurants, offices, gyms, changing rooms where air needs to be exchanged during hours of operation.

The unit consists of two centrifugal fans: one introduces clean air filtered from outside an the other one expels the stale air from the inside. The two air flows go through a blade heat exchanger, in which part of the heat is recovered.

Depending on the season, the indoor air heats or cools the outdoor air, which is introduced without coming into contact with it.

| Model | | | EHIN 304 | EHIN 404 | EHIN 504 | EHIN 804 | EHIN 1004 | EHIN 1504 | EHIN 2004 |
|---|---|---|---|---|---|---|---|---|---|
| Exchange efficiency[1] | Enthalpy | % | 72.1 | 73.5 | 74.0 | 72.3 | 76.0 | 69.4 | 74.7 |
| | Thermal | % | 75.5 | 77.7 | 80.6 | 78.7 | 82.8 | 75.5 | 77.2 |
| **Electrical data** | | | | | | | | | |
| Power supply | | Ph-V-Hz | 1-220~240-50 | | | | | | |
| Power absorption | | W | 100 | 110 | 150 | 320 | 380 | 680 | 950 |
| Rated absorbed current | | A | 0.84 | 0.97 | 1.20 | 2.40 | 2.90 | 3.80 | 5.70 |
| **Product specifications** | | | | | | | | | |
| External dimensions | LxHxD | mm | 914x272x1195 | 1204x272x1276 | 1106x390x1311 | 1286x390x1311 | 1526x390x1311 | 1425x615x1740 | 1625x685x1811 |
| Net weight | | Kg | 56.5 | 71.5 | 76 | 80 | 90 | 181.5 | 208.5 |
| Sound power level | Hi | dB(A) | 48 | 48 | 50 | 55 | 54 | 69 | 70 |
| Treated air volume | | m³/h | 300 | 400 | 500 | 800 | 1000 | 1500 | 2000 |
| Fan static pressure | Hi | Pa | 90 | 100 | 90 | 140 | 160 | 180 | 200 |
| Ducting flange | | mm | ø144 | ø198 | ø244 | ø244 | ø244 | ø346x326 | ø346x326 |
| Condensate drain pipe | | | Not required | | | | | Necessary | |
| Operating range (max UR 80%) | | °C | -7~43 | | | | | | |
| Degree of protection | | | IPX2 | | | | | | |
| **Accessories** | | | | | | | | | |
| Wired control (not included) | | | DHW EH | | | | | | |
| **Optional parts** | | | | | | | | | |
| Group control | | | DHWT-16-XRV-P | | | | | | |
| Centralized control | | | DHC-8-64-XRV-P / DHC-48-384-XRV-P | | | | | | |

Reference legislation: EU Ecodesign Directive 1253/2014 for non-residential ventilation units (NRVU) and residential ventilation (RVU).
1. Values related to the high speed of the 3 levels settable by wired remote control.

# **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 ,please refer to the Technical Manuals.

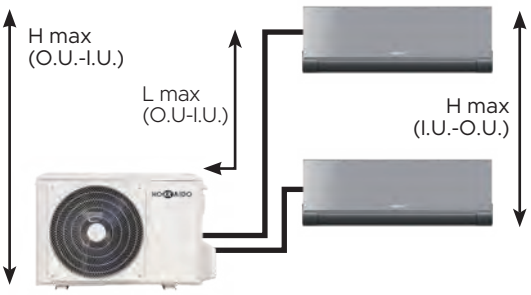
## OPERATING RANGE

-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 O.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 O.U.-I.U. | **= 10 m** |

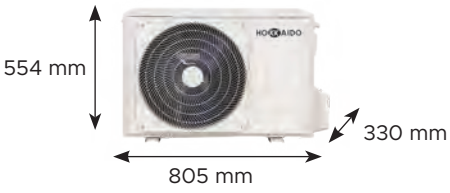
### HCKU 810-1060 Z4

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

## HIGHLY COMPACT

Highly compact an 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 266 ZAL | ● | ● | ● | ● | ● | ● |
| | HKEMM 356 ZAL | ● | ● | ● | ● | ● | ● |
|  | HKEU 263 ZAL | ● | ● | ● | ● | ● | ● |
| | HKEU 353 ZAL-1 | ● | ● | ● | ● | ● | ● |
| | HKEU 533 ZAL | | ● | ● | ● | ● | ● |
|  | HTFU 351 ZAL | ● | ● | ● | ● | ● | ● |
| | HTFU 531 ZAL | | ● | ● | ● | ● | ● |
|  | HUCU 351 ZAL | ● | ● | ● | ● | ● | ● |
| | HUCU 531 ZAL | | ● | ● | ● | ● | ● |
|  | HFIU 351 ZAL | ● | ● | ● | ● | ● | ● |
| | HFIU 501 ZAL | | ● | ● | ● | ● | ● |
|  | HSFU 531 ZAL | | ● | ● | ● | ● | ● |

Performance and consumption are based on the following test conditions:
Heating: O.T. 7° C DB, 6° C WB - 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

Extended operating range in heating mode down to the outdoor temperature of -15° C, and in cooling mode up to the **outdoor temperature of +50° C**

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

Verify the maximum gas concentration limits, in particolar 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 | | | DC-Inverter heat pump outdoor unit | | | | | |
| Connectable indoor units (min - max) | | no. | 1 - 2 | 1 - 2 | 2 - 3 | 2 - 3 | 2 - 4 | 2 - 4 |
| **Nominal data** | | | | | | | | |
| 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[1] | 3.23 | 3.23 | 3.23 | 3.23 | 3.23 | 3.23 |
| 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[1] | 3.71 | 3.71 | 3.71 | 3.71 | 4.00 | 3.93 |
| **Seasonal data** | | | | | | | | |
| Theoretical load (Pdesignc) | Cooling | kW | 4.10 | 5.30 | 6.10 | 7.90 | 8.20 | 10.60 |
| Seasonal energy efficiency index | Cooling | SEER[2] | 5.60 | 6.10 | 6.10 | 6.10 | 6.10 | 6.20 |
| Seasonal energy efficiency class | Cooling | 626/2011[3] | A+ | A++ | A++ | A++ | A++ | A++ |
| Annual energy consumption | Cooling | kWh/y | 256 | 304 | 350 | 453 | 470 | 598 |
| Theoretical load (Pdesignh) @ -10°C | Heating (average climate conditions) | kW | 3.70 | 4.80 | 5.40 | 5.60 | 6.50 | 9.00 |
| Seasonal energy efficiency index | Heating (average climate conditions) | SCOP[2] | 3.80 | 3.80 | 4.00 | 4.00 | 3.80 | 3.80 |
| Seasonal energy efficiency class | Heating (average climate conditions) | 626/2011[3] | A | A | A+ | A+ | A | A |
| Annual energy consumption | Heating (average climate conditions) | kWh/y | 1363 | 1768 | 1890 | 1960 | 2395 | 3316 |
| **Electrical data** | | | | | | | | |
| Power supply | | Ph-V-Hz | 1~220~240V-50HZ | | | | | |
| Power cable | | Type | 3 x 2.5 mm² | 3 x 2.5 mm² | 3 x 4 mm² | 3 x 4 mm² | 3 x 4 mm² | 3 x 6 mm² |
| Connection wires between each I.U. and O.U. | | no. | 4 | 4 | 4 | 4 | 4 | 4 |
| Rated absorbed current | 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) |
| Rated absorbed current | 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[4] | | Type (GWP) | 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 6.35(1/4") 2 x 9.52(3/8") | 2 x 6.35(1/4") 2 x 9.52(3/8") | 3 x 6.35(1/4") 3 x 9.52(3/8") | 3 x 6.35(1/4") 3 x 9.52(3/8") | 4 x 6.35(1/4") 3 x 9.52(3/8") + 1 x 12.74(1/2") | 4 x 6.35(1/4") 3 x 9.52(3/8") + 1 x 12.74(1/2") |
| Total splitting length | | m | 40 | 40 | 60 | 60 | 80 | 80 |
| Max length of a single refrigerant 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 addional charge | | m | 15 | 15 | 22.5 | 22.5 | 30 | 30 |
| Additional charge | | 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 power level | | dB(A) | 65 | 65 | 65 | 68 | 67 | 67 |
| Sound pressure level | | dB(A) | 56 | 54 | 57.5 | 58 | 61.5 | 63 |
| Treated air volume | | m³/h | 2100 | 2100 | 3000 | 3000 | 3800 | 4000 |
| Operating range (outdoor temperature) | Cooling | °C | -15~50 | | | | | |
| Operating range (outdoor temperature) | Heating | °C | -15~24 | | | | | |

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 HKEU 263 ZAL - HCKU 810 Z4 + 4 x HKEU 203 ZL - HCKU 1060 Z4 + 4 x HKEU 263 ZAL.

1. Value measured according to the harmonised standard EN14511. 2. EU Regulation No. 206/2012 - - Value measured according to the harmonised standard EN14825. 3. Delegated Regulation (EU) No. 626/2011 regarding the new energy labelling of air conditioners. 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 higher than 1 kg of CO2, over a period of 100 years. Under no cicrumstances should the user try to intervene on the refrigerant circuit or disassemble the product. Always contact qualified personnel if necessary.

# **INAZAMI** DC INVERTER MULTISPLIT INDOOR UNITS

Wall HKEMM 266-356 ZAL

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

"3D flow" air diffusion
Settable **Silent function**

Anti-freeze function 8° C
Remote control included as standard

Wi-Fi optional

| Model | | | HKEMM 266 ZAL | HKEMM 356 ZAL |
|---|---|---|---|---|
| Type | | | Wall type indoor unit | |
| Control (included) | | | Remote control | |
| Rated capacity | Cooling | kW | 2.60 | 3.50 |
| | Heating | kW | 2.80 | 3.80 |
| Electrical data | | | | |
| Power supply | Outdoor unit | Ph-V-Hz | 1-220~240V-50Hz | |
| Connection wires between I.U. and O.U. | | no. | 4 | 4 |
| Refrigerant circuit | | | | |
| Diameter of refrigerant piping on liquid/gas | | mm (inches) | 6.35(1/4") / 9.52(3/8") | 6.35(1/4") / 9.52(3/8") |
| Product specifications | | | | |
| Dimensions | LxDxH | mm | 835x208x295 | 835x208x295 |
| Net weight | | Kg | 8.7 | 8.7 |
| Sound power level | Hi | dB(A) | 54 | 55 |
| Sound pressure level | Hi/Mi/Lo/ULo | dB(A) | 37/31/22 | 39/33/22 |
| Treated air volume | Hi/Mi/Lo | m³/h | 510/360/300 | 520/370/310 |
| Optional parts | | | | |
| Wi-Fi module | | | HKM-WIFI-TB | |
| Wired control | | | NO | |
| Centralized control | | | NO | |

# **ACTIVE LINE** DC INVERTER MULTISPLIT INDOOR UNITS

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

**MULTISPLIT VERSION ONLY**

Cold catalyst filter
High density filter

Self-cleaning function
Self-diagnosis function

Anti-freeze function 8° C
Refrigerant leak detection

Remote control included as standard

Wi-Fi optional

| Model | | | HKEU 263 ZAL | HKEU 353 ZAL-1 | HKEU 533 ZAL |
|---|---|---|---|---|---|
| Type | | | Wall type indoor unit | | |
| Control (included) | | | Remote control | | |
| Rated capacity | Cooling | kW | 2.60 | 3.50 | 5.30 |
| | Heating | kW | 2.90 | 3.80 | 5.60 |
| Electrical data | | | | | |
| Power supply | Outdoor unit | Ph-V-Hz | 1-220~240V-50Hz | | |
| Connection wires between I.U. and O.U. | | no. | 4 | 4 | 4 |
| Refrigerant circuit | | | | | |
| Diameter of refrigerant piping on liquid/gas | | mm (inches) | 6.35(1/4") / 9.52(3/8") | 6.35(1/4") / 9.52(3/8") | 6.35(1/4") / 12.74(1/2") |
| Product specifications | | | | | |
| Dimensions | LxDxH | mm | 805x194x285 | 805x194x285 | 957x213x302 |
| Net weight | | Kg | 7.6 | 7.6 | 10 |
| Sound power level | Hi | dB(A) | 54 | 55 | 55 |
| Sound pressure level | Hi/Mi/Lo/ULo | dB(A) | 38.5/32/25 | 40.5/34.5/25 | 44/37/30/25 |
| Treated air volume | Hi/Mi/Lo | m³/h | 466/360/325 | 540/430/314 | 840/680/540 |
| Optional parts | | | | | |
| Wi-Fi module | | | HKM-WIFI-TB | | |
| Wired control | | | NO | | |
| Centralized control | | | NO | | |

# MULTISPLIT INDOOR UNITS

## Compact cassette 60x60 HTFU 351-531 ZAL

**8-way TFP 200 ZA** panel with 360° air diffusion
Pre-set for outside air inlet

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

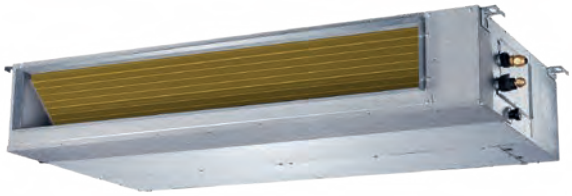
Remote control included as standard

**Wi-Fi** optional

| Model | | | HTFU 351 ZAL | HTFU 531 ZAL |
|---|---|---|---|---|
| Type | | | Cassette indoor unit | |
| Control (included) | | | Remote control | |
| Rated capacity | Cooling | kW | 3.50 | 5.30 |
| | Heating | kW | 4.10 | 5.40 |
| Electrical data | | | | |
| Power supply | Outdoor unit | Ph-V-Hz | 1-220~240V-50Hz | |
| Connection wires between I.U. and O.U. | | no. | 4 | 4 |
| Refrigerant circuit | | | | |
| Diameter of refrigerant piping on liquid/gas | | mm (inches) | 6.35(1/4") / 9.52(3/8") | 6.35(1/4") / 12.74(1/2") |
| Product specifications | | | | |
| Dimensions | LxDxH | mm | 570x570x260 | 570x570x260 |
| Net weight | | Kg | 16.3 | 16.5 |
| Sound power level | Hi | dB(A) | 56 | 57 |
| Sound pressure level | Hi/Mi/Lo/ULo | dB(A) | 41/36/33/25.5 | 43/39.5/35.5/29 |
| Treated air volume | Hi/Mi/Lo | m³/h | 620/510/420 | 720/620/500 |
| Accessories | | | | |
| Decorative panel | | | TFP 200 ZA | |
| Optional parts | | | | |
| Wi-Fi module | | | On demand | |
| Wired control | | | DHW-WT-ZA | |
| Centralized control | | | DTC IHXR TOUCH / DTCWT IHXR | |
| Wi-Fi centralized control | | | XRV Mobile BMS | |

# MULTISPLIT INDOOR UNITS

## Medium static pressure ducted HUCU 351-531 ZAL



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

**100 Pa** | Automatic adjustment of the static pressure of the fan at constant flow rate
**Wired remote control included**

**Wi-Fi** optional

| Model | | | HUCU 351 ZAL | HUCU 531 ZAL |
|---|---|---|---|---|
| Type | | | Ducted type indoor unit | |
| Control (included) | | | Wired remote control | |
| Rated capacity | Cooling | kW | 3.50 | 5.30 |
| | Heating | kW | 3.80 | 5.60 |
| Electrical data | | | | |
| Power supply | Outdoor unit | Ph-V-Hz | 1-220~240V-50Hz | |
| Connection wires between I.U. and O.U. | | no. | 4 | 4 |
| Refrigerant circuit | | | | |
| Diameter of refrigerant piping on liquid/gas | | mm (pollici) | 6.35(1/4") / 9.52(3/8") | 6.35(1/4") / 12.74(1/2") |
| Product specifications | | | | |
| Dimensions | LxDxH | mm | 700x506x200 | 880x674x210 |
| Net weight | | Kg | 17.8 | 24.4 |
| Sound power level | Hi | dB(A) | 57 | 58 |
| Sound pressure level | Hi/Mi/Lo/ULo | dB(A) | 34.5/30.5/29/23 | 41/38/34/26 |
| 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 |
| Optional parts | | | | |
| Wi-Fi module | | | On demand | |
| Centralized control | | | DTC IHXR TOUCH / DTCWT IHXR | |
| Wi-Fi centralized control | | | XRV Mobile BMS | |

# MULTISPLIT INDOOR UNITS

## Console HFIU 351-501 ZAL

Extremely compact with only **200 mm depth**

Possibility of **double delivery**, from upper and lower flap

Double installation option, floor or wall using a bracket

Remote control included as standard

Wi-Fi optional

| Model | | | HFIU 351 ZAL | HFIU 501 ZAL |
|---|---|---|---|---|
| Type | | | Console type indoor unit | |
| Control (included) | | | Remote control | |
| Rated capacity | Cooling | kW | 3.50 | 4.90 |
| | Heating | kW | 3.80 | 5.20 |
| Electrical data | | | | |
| Power supply | Outdoor unit | Ph-V-Hz | 1-220~240V-50Hz | |
| Connection wires between I.U. and O.U. | | no. | 4 | 4 |
| Refrigerant circuit | | | | |
| Diameter of refrigerant piping on liquid/gas | | mm (inches) | 6.35(1/4") / 9.52(3/8") | 6.35(1/4") / 12.74(1/2") |
| Product specifications | | | | |
| Dimensions | LxDxH | mm | 794x200x621 | 794x200x621 |
| Net weight | | Kg | 14.9 | 14.9 |
| Sound power level | Hi | dB(A) | 54 | 55 |
| Sound pressure level | Hi/Mi/Lo/ULo | dB(A) | 37/34/27 | 41/38/32 |
| Treated air volume | Hi/Mi/Lo | m3/h | 650/580/490 | 780/690/600 |
| Optional parts | | | | |
| Wi-Fi module | | | HKM-WiFi-TB | |
| Wired remote control | | | NO | |
| Manual centralized control | | | NO | |
| Wi-Fi centralized control | | | NO | |

# MULTISPLIT INDOOR UNITS

## Ceiling HSFU 531 ZAL

Double installation flexibility

Turbo function, for heating and cooling rooms quickly

Remote control included as standard

Wi-Fi optional

| Model | | | HSFU 531 ZAL |
|---|---|---|---|
| Type | | | Ceiling type indoor unit |
| Control (included) | | | Remote control |
| Rated capacity | Cooling | kW | 5.30 |
| | Heating | kW | 5.60 |
| Electrical data | | | |
| Power supply | Outdoor unit | Ph-V-Hz | 1-220~240V-50Hz |
| Connection wires between I.U. and O.U. | | no. | 4 |
| Refrigerant circuit | | | |
| Diameter of refrigerant piping on liquid/gas | | mm (inches) | 6.35(1/4") / 12.74(1/2") |
| Product specifications | | | |
| Dimensions | LxDxH | mm | 1068x675x235 |
| Net weight | | Kg | 28 |
| Sound power level | Hi | dB(A) | 57 |
| Sound pressure level | Hi/Mi/Lo/ULo | dB(A) | 43.5/41/36.5/24 |
| Treated air volume | Hi/Mi/Lo | m3/h | 958/839/723 |
| Optional parts | | | |
| Wi-Fi module | | | On demand |
| Wired remote control | | | DHW-WT-ZA |
| Centralized control | | | DTC IHXR TOUCH / DTCWT IHXR |
| Wi-Fi centralized control | | | XRV Mobile BMS |

# TECHNICAL APPENDIX

# COMBINATIONS

## HCKU 471 Z2 Cooling

| Combinations | Indoor units | Combination | | Rated cooling capacity (kW) | | Total cooling capacity (kW) | Power input (kW) | EER (W/W) | Pdesignc | SEER | Annual consumption (kWh) | Energy class |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Unit A | Unit B | Unit A | Unit B | std | std | std | | | | |
| 1x2 | 20+20 | 20 | 20 | 2.05 | 2.05 | 4.10 | 1.27 | 3.23 | 4.10 | 5.60 | 258 | A+ |
| | 20+26 | 20 | 26 | 1.78 | 2.32 | 4.10 | 1.27 | 3.23 | 4.10 | 5.60 | 258 | A+ |
| | 20+35 | 20 | 35 | 1.49 | 2.61 | 4.10 | 1.27 | 3.23 | 4.10 | 5.60 | 258 | A+ |
| | **26+26** | **26** | **26** | **2.05** | **2.05** | **4.10** | **1.27** | **3.23** | **4.10** | **5.60** | **258** | **A+** |
| | 26+35 | 26 | 35 | 1.75 | 2.35 | 4.10 | 1.27 | 3.23 | 4.10 | 5.60 | 258 | A+ |

**Energy Class** = EU Delegated Regulation No. 626/2011 on the new labelling indicating the energy consumption of air conditioners.
**SEER** = EU Regulation No. 206/2012 - - Value measured according to the harmonised standard EN14825.
**EER** = Value measured according to the harmonised standard EN14511.

**Connectable indoor units:**
**capacity 20** = HKEU 203 ZL; **capacity 26** = HKEU 263 ZAL, HKEMM 266 ZAL, HKEMM 262 ZAL
**capacity 35** = HKEU 353 ZAL-1, HKEMM 356 ZAL, HKEMM 352 ZAL, HUCU 351 ZAL, HTFU 351 ZAL, HFIU 351 ZAL

## HCKU 471 Z2 Heating

| Combinations | Indoor units | Combination | | Rated heating capacity (kW) | | Total heating capacity (kW) | Power input (kW) | COP (W/W) | Pdesignh | SCOP | Annual consumption (kWh) | Energy class |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Unit A | Unit B | Unit A | Unit B | std | std | std | | | | |
| 1x2 | 20+20 | 20 | 20 | 2.20 | 2.20 | 4.40 | 1.19 | 3.71 | 3.70 | 3.80 | 1400 | A |
| | 20+26 | 20 | 26 | 1.91 | 2.49 | 4.40 | 1.19 | 3.71 | 3.70 | 3.80 | 1400 | A |
| | 20+35 | 20 | 35 | 1.60 | 2.80 | 4.40 | 1.19 | 3.71 | 3.70 | 3.80 | 1400 | A |
| | **26+26** | **26** | **26** | **2.20** | **2.20** | **4.40** | **1.19** | **3.71** | **3.70** | **3.80** | **1400** | **A** |
| | 26+35 | 26 | 35 | 1.88 | 2.52 | 4.40 | 1.19 | 3.71 | 3.70 | 3.80 | 1400 | A |

**Energy Class** = EU Delegated Regulation No. 626/2011 on the new labelling indicating the energy consumption of air conditioners.
**SCOP** = EU Regulation No. 206/2012 - - Value measured according to the harmonised standard EN14825.
**COP** = Value measured according to the harmonised standard EN14511.

**Connectable indoor units:**
**capacity 20** = HKEU 203 ZL; **capacity 26** = HKEU 263 ZAL, HKEMM 266 ZAL, HKEMM 262 ZAL
**capacity 35** = HKEU 353 ZAL-1, HKEMM 356 ZAL, HKEMM 352 ZAL, HUCU 351 ZAL, HTFU 351 ZAL, HFIU 351 ZAL

## HCKU 531 Z2 Cooling

| Combinations | Indoor units | Combination | | Rated cooling capacity (kW) | | Total cooling capacity (kW) | Power input (kW) | EER (W/W) | Pdesignc | SEER | Annual consumption (kWh) | Energy class |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Unit A | Unit B | Unit A | Unit B | std | std | std | | | | |
| | 53 | 53 | — | 5.00 | — | 5.00 | 1.54 | 3.25 | — | — | — | — |
| 1x2 | 20+20 | 20 | 20 | 2.10 | 2.10 | 4.20 | 1.30 | 3.24 | 4.20 | 6.10 | 241 | A++ |
| | 20+26 | 20 | 26 | 2.04 | 2.66 | 4.70 | 1.46 | 3.23 | 4.70 | 6.10 | 270 | A++ |
| | 20+35 | 20 | 35 | 1.89 | 3.31 | 5.20 | 1.61 | 3.23 | 5.30 | 6.10 | 309 | A++ |
| | 20+53 | 20 | 53 | 1.47 | 3.88 | 5.35 | 1.66 | 3.23 | 5.30 | 6.10 | 309 | A++ |
| | **26+26** | **26** | **26** | **2.65** | **2.65** | **5.30** | **1.64** | **3.23** | **5.30** | **6.10** | **309** | **A++** |
| | 26+35 | 26 | 35 | 2.26 | 3.04 | 5.30 | 1.64 | 3.23 | 5.30 | 6.10 | 309 | A++ |
| | 26+53 | 26 | 53 | 1.76 | 3.59 | 5.35 | 1.66 | 3.23 | 5.30 | 6.10 | 309 | A++ |
| | 35+35 | 35 | 35 | 2.65 | 2.65 | 5.30 | 1.64 | 3.23 | 5.30 | 6.10 | 309 | A++ |

**Energy Class** = EU Delegated Regulation No. 626/2011 on the new labelling indicating the energy consumption of air conditioners.
**SEER** = EU Regulation No. 206/2012 - - Value measured according to the harmonised standard EN14825.
**EER** = Value measured according to the harmonised standard EN14511.

**Connectable indoor units:**
**capacity 20** = HKEU 203 ZL; **capacity 26** = HKEU 263 ZAL, HKEMM 266 ZAL, HKEMM 262 ZAL
**capacity 35** = HKEU 353 ZAL-1, HKEMM 356 ZAL, HKEMM 352 ZAL, HUCU 351 ZAL, HTFU 351 ZAL, HFIU 351 ZAL
**capacity 53** = HKEU 533 ZAL, HUCU 531 ZAL, HTFU 531 ZAL, HSFU 531 ZAL, HFIU 501 ZAL

## HCKU 531 Z2 Heating

| Combinations | Indoor units | Combination | | Rated heating capacity (kW) | | Total heating capacity (kW) | Power input (kW) | COP (W/W) | Pdesignh | SCOP | Annual consumption (kWh) | Energy class |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Unit A | Unit B | Unit A | Unit B | std | std | std | | | | |
| | 53 | 53 | — | 5.20 | — | 5.20 | 1.40 | 3.71 | — | — | — | — |
| 1x2 | 20+20 | 20 | 20 | 2.50 | 2.50 | 5.00 | 1.35 | 3.71 | 4.80 | 3.80 | 1768 | A |
| | 20+26 | 20 | 26 | 2.30 | 3.00 | 5.30 | 1.43 | 3.71 | 4.80 | 3.80 | 1768 | A |
| | 20+35 | 20 | 35 | 2.00 | 3.50 | 5.50 | 1.48 | 3.71 | 4.80 | 3.80 | 1768 | A |
| | 20+53 | 20 | 53 | 1.56 | 4.14 | 5.70 | 1.54 | 3.71 | 4.80 | 3.80 | 1768 | A |
| | **26+26** | **26** | **26** | **2.79** | **2.79** | **5.57** | **1.50** | **3.71** | **4.80** | **3.80** | **1768** | **A** |
| | 26+35 | 26 | 35 | 2.39 | 3.21 | 5.60 | 1.51 | 3.71 | 4.80 | 3.80 | 1768 | A |
| | 26+53 | 26 | 53 | 1.91 | 3.89 | 5.80 | 1.56 | 3.71 | 4.80 | 3.80 | 1768 | A |
| | 35+35 | 35 | 35 | 2.80 | 2.80 | 5.60 | 1.51 | 3.71 | 4.80 | 3.80 | 1768 | A |

**Energy Class** = EU Delegated Regulation No. 626/2011 on the new labelling indicating the energy consumption of air conditioners.
**SCOP** = EU Regulation No. 206/2012 - - Value measured according to the harmonised standard EN14825.
**COP** = Value measured according to the harmonised standard EN14511.

**Connectable indoor units:**
**capacity 20** = HKEU 203 ZL; **capacity 26** = HKEU 263 ZAL, HKEMM 266 ZAL, HKEMM 262 ZAL
**capacity 35** = HKEU 353 ZAL-1, HKEMM 356 ZAL, HKEMM 352 ZAL, HUCU 351 ZAL, HTFU 351 ZAL, HFIU 351 ZAL
**capacity 53** = HKEU 533 ZAL, HUCU 531 ZAL, HTFU 531 ZAL, HSFU 531 ZAL, HFIU 501 ZAL

# COMBINATIONS

## HCKU 601 Z3 Cooling

| Combinations | Indoor units | Combination | | | Rated cooling capacity (kW) | | | Total cooling capacity (kW) | Power input (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 | | | | |
| 1x2 | 20+35 | 20 | 35 | — | 1.93 | 3.37 | — | 5.30 | 1.64 | 3.23 | 5.30 | 5.60 | 331 | A+ |
| | 20+53 | 20 | 53 | | 1.73 | 4.57 | — | 6.30 | 1.95 | 3.23 | 6.10 | 5.60 | 381 | A+ |
| | 26+26 | 26 | 26 | — | 2.65 | 2.65 | — | 5.30 | 1.64 | 3.23 | 5.30 | 5.60 | 331 | A+ |
| | 26+35 | 26 | 35 | — | 2.56 | 3.44 | — | 6.00 | 1.86 | 3.23 | 6.00 | 5.60 | 375 | A+ |
| | 26+53 | 26 | 53 | — | 2.07 | 4.23 | — | 6.30 | 1.94 | 3.24 | 6.10 | 5.60 | 381 | A+ |
| | 35+35 | 35 | 35 | — | 3.10 | 3.10 | — | 6.20 | 1.92 | 3.23 | 6.10 | 5.60 | 381 | A+ |
| 1x3 | 20+20+20 | 20 | 20 | 20 | 2.03 | 2.03 | 2.03 | 6.10 | 1.89 | 3.23 | 6.10 | 6.10 | 350 | A++ |
| | 20+20+26 | 20 | 20 | 26 | 1.91 | 1.91 | 2.48 | 6.30 | 1.95 | 3.23 | 6.10 | 6.10 | 350 | A++ |
| | 20+20+35 | 20 | 20 | 35 | 1.68 | 1.68 | 2.94 | 6.30 | 1.94 | 3.24 | 6.10 | 6.10 | 350 | A++ |
| | 20+26+26 | 20 | 26 | 26 | 1.75 | 2.28 | 2.28 | 6.30 | 1.94 | 3.24 | 6.10 | 6.10 | 350 | A++ |
| | 20+26+35 | 20 | 26 | 35 | 1.56 | 2.02 | 2.72 | 6.30 | 1.94 | 3.24 | 6.10 | 6.10 | 350 | A++ |
| | **26+26+26** | **26** | **26** | **26** | **2.10** | **2.10** | **2.10** | **6.30** | **1.94** | **3.24** | **6.10** | **6.10** | **350** | **A++** |
| | 26+26+35 | 26 | 26 | 35 | 1.88 | 1.88 | 2.53 | 6.30 | 1.94 | 3.24 | 6.10 | 6.10 | 350 | A++ |

**Energy Class** = EU Delegated Regulation No. 626/2011 on the new labelling indicating the energy consumption of air conditioners.
**SEER** = EU Regulation No. 206/2012 - - Value measured according to the harmonised standard EN14825.
**EER** = Value measured according to the harmonised standard EN14511.

**Connectable indoor units:**
**capacity 20** = HKEU 203 ZL; **capacity 26** = HKEU 263 ZAL, HKEMM 266 ZAL, HKEMM 262 ZAL
**capacity 35** = HKEU 353 ZAL-1, HKEMM 356 ZAL, HKEMM 352 ZAL, HUCU 351 ZAL, HTFU 351 ZAL, HFIU 351 ZAL
**capacity 53** = HKEU 533 ZAL, HUCU 531 ZAL, HTFU 531 ZAL, HSFU 531 ZAL, HFIU 501 ZAL

## HCKU 601 Z3 Heating

| Combinations | Indoor units | Combination | | | Rated heating capacity (kW) | | | Total heating capacity (kW) | Power input (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 | | | | |
| 1x2 | 20+35 | 20 | 35 | — | 2.15 | 3.75 | — | 5.90 | 1.59 | 3.71 | 4.80 | 3.80 | 1768 | A |
| | 20+53 | 20 | 53 | | 1.78 | 4.72 | — | 6.50 | 1.75 | 3.71 | 5.12 | 3.80 | 1886 | A+ |
| | 26+26 | 26 | 26 | — | 2.95 | 2.95 | — | 5.90 | 1.59 | 3.71 | 4.80 | 3.80 | 1768 | A |
| | 26+35 | 26 | 35 | — | 2.69 | 3.61 | — | 6.30 | 1.70 | 3.71 | 5.12 | 3.80 | 1886 | A+ |
| | 26+53 | 26 | 53 | — | 2.17 | 4.43 | — | 6.60 | 1.78 | 3.71 | 5.12 | 3.80 | 1886 | A+ |
| | 35+35 | 35 | 35 | — | 3.15 | 3.15 | — | 6.30 | 1.70 | 3.71 | 5.12 | 3.80 | 1886 | A+ |
| 1x3 | 20+20+20 | 20 | 20 | 20 | 2.20 | 2.20 | 2.20 | 6.60 | 1.78 | 3.71 | 5.40 | 4.00 | 1910 | A+ |
| | 20+20+26 | 20 | 20 | 26 | 2.02 | 2.02 | 2.62 | 6.65 | 1.79 | 3.72 | 5.40 | 4.00 | 1910 | A+ |
| | 20+20+35 | 20 | 20 | 35 | 1.79 | 1.79 | 3.13 | 6.70 | 1.80 | 3.72 | 5.40 | 4.00 | 1910 | A+ |
| | 20+26+26 | 20 | 26 | 26 | 1.86 | 2.42 | 2.42 | 6.70 | 1.80 | 3.72 | 5.40 | 4.00 | 1910 | A+ |
| | 20+26+35 | 20 | 26 | 35 | 1.65 | 2.15 | 2.90 | 6.70 | 1.80 | 3.72 | 5.40 | 4.00 | 1910 | A+ |
| | **26+26+26** | **26** | **26** | **26** | **2.23** | **2.23** | **2.23** | **6.70** | **1.81** | **3.71** | **5.40** | **4.00** | **1910** | **A+** |
| | 26+26+35 | 26 | 26 | 35 | 2.00 | 2.00 | 2.70 | 6.70 | 1.80 | 3.72 | 5.40 | 4.00 | 1910 | A+ |

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**SCOP** = EU Regulation No. 206/2012 - - Value measured according to the harmonised standard EN14825.
**COP** = Value measured according to the harmonised standard EN14511.

**Connectable indoor units:**
**capacity 20** = HKEU 203 ZL; **capacity 26** = HKEU 263 ZAL, HKEMM 266 ZAL, HKEMM 262 ZAL
**capacity 35** = HKEU 353 ZAL-1, HKEMM 356 ZAL, HKEMM 352 ZAL, HUCU 351 ZAL, HTFU 351 ZAL, HFIU 351 ZAL
**capacity 53** = HKEU 533 ZAL, HUCU 531 ZAL, HTFU 531 ZAL, HSFU 531 ZAL, HFIU 501 ZAL

# COMBINATIONS

## HCKU 761 Z3 Cooling

| Combinations | Indoor units | Combination | | | Rated cooling capacity(kW) | | | Total cooling capacity (kW) | Power input (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 | | | | |
| 1x2 | 20+35 | 20 | 35 | — | 1.93 | 3.37 | — | 5.30 | 1.64 | 3.23 | 5.30 | 5.60 | 331 | A+ |
| | 20+53 | 20 | 53 | — | 1.78 | 4.72 | — | 6.50 | 2.01 | 3.23 | 6.50 | 5.60 | 406 | A+ |
| | 26+26 | 26 | 26 | — | 2.65 | 2.65 | — | 5.30 | 1.64 | 3.23 | 5.30 | 5.60 | 331 | A+ |
| | 26+35 | 26 | 35 | — | 2.56 | 3.44 | — | 6.00 | 1.86 | 3.23 | 6.00 | 5.60 | 375 | A+ |
| | 26+53 | 26 | 53 | — | 2.24 | 4.56 | — | 6.80 | 2.09 | 3.25 | 6.80 | 5.60 | 425 | A+ |
| | 35+35 | 35 | 35 | — | 3.15 | 3.15 | — | 6.30 | 1.94 | 3.24 | 6.30 | 5.60 | 394 | A+ |
| | 35+53 | 35 | 53 | — | 2.70 | 4.10 | — | 6.80 | 2.09 | 3.25 | 6.80 | 5.60 | 425 | A+ |
| 1x3 | 20+20+20 | 20 | 20 | 20 | 2.43 | 2.43 | 2.43 | 7.30 | 2.26 | 3.23 | 7.30 | 6.10 | 419 | A++ |
| | 20+20+26 | 20 | 20 | 26 | 2.24 | 2.24 | 2.92 | 7.40 | 2.29 | 3.23 | 7.40 | 6.10 | 425 | A++ |
| | 20+20+35 | 20 | 20 | 35 | 2.11 | 2.11 | 3.69 | 7.90 | 2.45 | 3.23 | 7.90 | 6.10 | 453 | A++ |
| | 20+20+53 | 20 | 20 | 53 | 1.70 | 1.70 | 4.50 | 7.90 | 2.43 | 3.25 | 7.90 | 6.10 | 453 | A++ |
| | 20+26+26 | 20 | 26 | 26 | 2.11 | 2.74 | 2.74 | 7.60 | 2.35 | 3.23 | 7.60 | 6.10 | 436 | A++ |
| | 20+26+35 | 20 | 26 | 35 | 1.95 | 2.54 | 3.41 | 7.90 | 2.45 | 3.23 | 7.90 | 6.10 | 453 | A++ |
| | 20+26+53 | 20 | 26 | 53 | 1.60 | 2.07 | 4.23 | 7.90 | 2.43 | 3.25 | 7.90 | 6.10 | 453 | A++ |
| | 20+35+35 | 20 | 35 | 35 | 1.76 | 3.07 | 3.07 | 7.90 | 2.43 | 3.25 | 7.90 | 6.10 | 453 | A++ |
| | **26+26+26** | **26** | **26** | **26** | **2.63** | **2.63** | **2.63** | **7.90** | **2.45** | **3.23** | **7.90** | **6.10** | **453** | **A++** |
| | 26+26+35 | 26 | 26 | 35 | 2.36 | 2.36 | 3.18 | 7.90 | 2.43 | 3.25 | 7.90 | 6.10 | 453 | A++ |
| | 26+35+35 | 26 | 35 | 35 | 2.14 | 2.88 | 2.88 | 7.90 | 2.43 | 3.25 | 7.90 | 6.10 | 453 | A++ |
| | 35+35+35 | 35 | 35 | 35 | 2.63 | 2.63 | 2.63 | 7.90 | 2.43 | 3.25 | 7.90 | 6.10 | 453 | A++ |

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**EER** = Value measured according to the harmonised standard EN14511.

**Connectable indoor units:**
**capacity 20** = HKEU 203 ZL; **capacity 26** = HKEU 263 ZAL, HKEMM 266 ZAL, HKEMM 262 ZAL
**capacity 35** = HKEU 353 ZAL-1, HKEMM 356 ZAL, HKEMM 352 ZAL, HUCU 351 ZAL, HTFU 351 ZAL, HFIU 351 ZAL
**capacity 53** = HKEU 533 ZAL, HUCU 531 ZAL, HTFU 531 ZAL, HSFU 531 ZAL, HFIU 501 ZAL

## HCKU 761 Z3 Heating

| Combinations | Indoor units | Combination | | | Rated heating capacity (kW) | | | Total heating capacity (kW) | Power input (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 | | | | |
| 1x2 | 20+35 | 20 | 35 | — | 2.18 | 3.82 | — | 6.00 | 1.61 | 3.73 | 5.10 | 3.80 | 1879 | A |
| | 20+53 | 20 | 53 | — | 1.92 | 5.08 | — | 7.00 | 1.88 | 3.73 | 5.10 | 3.80 | 1879 | A |
| | 26+26 | 26 | 26 | — | 3.00 | 3.00 | — | 6.00 | 1.61 | 3.73 | 5.10 | 3.80 | 1879 | A |
| | 26+35 | 26 | 35 | — | 2.69 | 3.61 | — | 6.30 | 1.69 | 3.73 | 5.10 | 3.80 | 1879 | A |
| | 26+53 | 26 | 53 | — | 2.30 | 4.70 | — | 7.00 | 1.88 | 3.73 | 5.10 | 3.80 | 1879 | A |
| | 35+35 | 35 | 35 | — | 3.25 | 3.25 | — | 6.50 | 1.74 | 3.73 | 5.10 | 3.80 | 1879 | A |
| | 35+53 | 35 | 53 | — | 2.78 | 4.22 | — | 7.00 | 1.88 | 3.73 | 5.10 | 3.80 | 1879 | A |
| 1x3 | 20+20+20 | 20 | 20 | 20 | 2.27 | 2.27 | 2.27 | 6.80 | 1.82 | 3.73 | 5.60 | 4.00 | 1960 | A+ |
| | 20+20+26 | 20 | 20 | 26 | 2.12 | 2.12 | 2.76 | 7.00 | 1.88 | 3.73 | 5.60 | 4.00 | 1960 | A+ |
| | 20+20+35 | 20 | 20 | 35 | 2.11 | 2.11 | 3.69 | 7.90 | 2.12 | 3.73 | 5.60 | 4.00 | 1960 | A+ |
| | 20+20+53 | 20 | 20 | 53 | 1.78 | 1.78 | 4.73 | 8.30 | 2.23 | 3.73 | 5.60 | 4.00 | 1960 | A+ |
| | 20+26+26 | 20 | 26 | 26 | 2.19 | 2.85 | 2.85 | 7.90 | 2.12 | 3.73 | 5.60 | 4.00 | 1960 | A+ |
| | 20+26+35 | 20 | 26 | 35 | 2.02 | 2.63 | 3.54 | 8.20 | 2.20 | 3.73 | 5.60 | 4.00 | 1960 | A+ |
| | 20+26+53 | 20 | 26 | 53 | 1.68 | 2.18 | 4.44 | 8.30 | 2.23 | 3.73 | 5.60 | 4.00 | 1960 | A+ |
| | 20+35+35 | 20 | 35 | 35 | 1.84 | 3.23 | 3.23 | 8.30 | 2.23 | 3.73 | 5.60 | 4.00 | 1960 | A+ |
| | **26+26+26** | **26** | **26** | **26** | **2.73** | **2.73** | **2.73** | **8.20** | **2.20** | **3.73** | **5.60** | **4.00** | **1960** | **A+** |
| | 26+26+35 | 26 | 26 | 35 | 2.48 | 2.48 | 3.34 | 8.30 | 2.23 | 3.73 | 5.60 | 4.00 | 1960 | A+ |
| | 26+35+35 | 26 | 35 | 35 | 2.25 | 3.03 | 3.03 | 8.30 | 2.23 | 3.73 | 5.60 | 4.00 | 1960 | A+ |
| | 35+35+35 | 35 | 35 | 35 | 2.77 | 2.77 | 2.77 | 8.30 | 2.23 | 3.73 | 5.60 | 4.00 | 1960 | A+ |

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**COP** = Value measured according to the harmonised standard EN14511.

**Connectable indoor units:**
**capacity 20** = HKEU 203 ZL; **capacity 26** = HKEU 263 ZAL, HKEMM 266 ZAL, HKEMM 262 ZAL
**capacity 35** = HKEU 353 ZAL-1, HKEMM 356 ZAL, HKEMM 352 ZAL, HUCU 351 ZAL, HTFU 351 ZAL, HFIU 351 ZAL
**capacity 53** = HKEU 533 ZAL, HUCU 531 ZAL, HTFU 531 ZAL, HSFU 531 ZAL, HFIU 501 ZAL

# COMBINATIONS

## HCKU 810 Z4 Cooling

| Combinations | Indoor units | Combination | | | | Rated cooling capacity (kW) | | | | Total cooling capacity (kW) | Power input (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 | | | | |
| 1x2 | 20+35 | 20 | 35 | — | — | 1.93 | 3.37 | — | — | 5.30 | 1.64 | 3.23 | 5.30 | 5.10 | 364 | A |
| | 20+53 | 20 | 53 | — | — | 1.92 | 5.08 | — | — | 7.00 | 2.17 | 3.23 | 7.00 | 5.10 | 480 | A |
| | 26+26 | 26 | 26 | — | — | 2.65 | 2.65 | — | — | 5.30 | 1.64 | 3.23 | 5.30 | 5.10 | 364 | A |
| | 26+35 | 26 | 35 | — | — | 2.56 | 3.44 | — | — | 6.00 | 1.86 | 3.23 | 6.00 | 5.10 | 412 | A |
| | 26+53 | 26 | 53 | — | — | 2.40 | 4.90 | — | — | 7.30 | 2.26 | 3.23 | 7.30 | 5.10 | 501 | A |
| | 35+35 | 35 | 35 | — | — | 3.25 | 3.25 | — | — | 6.50 | 2.01 | 3.23 | 6.50 | 5.10 | 446 | A |
| | 35+53 | 35 | 53 | — | — | 2.90 | 4.40 | — | — | 7.30 | 2.26 | 3.23 | 7.30 | 5.10 | 501 | A |
| | 53+53 | 53 | 53 | — | — | 3.75 | 3.75 | — | — | 7.50 | 2.32 | 3.23 | 7.50 | 5.10 | 515 | A |
| 1x3 | 20+20+20 | 20 | 20 | 20 | — | 2.00 | 2.00 | 2.00 | — | 6.00 | 1.86 | 3.23 | 6.00 | 5.60 | 375 | A+ |
| | 20+20+26 | 20 | 20 | 26 | — | 1.97 | 1.97 | 2.56 | — | 6.50 | 2.01 | 3.23 | 6.50 | 5.60 | 406 | A+ |
| | 20+20+35 | 20 | 20 | 35 | — | 1.89 | 1.89 | 3.31 | — | 7.10 | 2.20 | 3.23 | 7.10 | 5.60 | 444 | A+ |
| | 20+20+53 | 20 | 20 | 53 | — | 1.68 | 1.68 | 4.45 | — | 7.80 | 2.41 | 3.23 | 7.80 | 5.60 | 488 | A+ |
| | 20+26+26 | 20 | 26 | 26 | — | 1.89 | 2.46 | 2.68 | — | 6.80 | 2.11 | 3.23 | 6.80 | 5.60 | 425 | A+ |
| | 20+26+35 | 20 | 26 | 35 | — | 1.85 | 2.41 | 3.24 | — | 7.50 | 2.32 | 3.23 | 7.50 | 5.60 | 469 | A+ |
| | 20+26+53 | 20 | 26 | 53 | — | 1.58 | 2.05 | 4.18 | — | 7.80 | 2.41 | 3.23 | 7.80 | 5.60 | 488 | A+ |
| | 20+35+35 | 20 | 35 | 35 | — | 1.73 | 3.03 | 3.03 | — | 7.80 | 2.41 | 3.23 | 7.80 | 5.60 | 488 | A+ |
| | 20+35+53 | 20 | 35 | 53 | — | 1.44 | 2.53 | 3.83 | — | 7.80 | 2.41 | 3.23 | 7.80 | 5.60 | 488 | A+ |
| | 26+26+26 | 26 | 26 | 26 | — | 2.37 | 2.37 | 2.37 | — | 7.10 | 2.20 | 3.23 | 7.10 | 5.60 | 444 | A+ |
| | 26+26+35 | 26 | 26 | 35 | — | 2.33 | 2.33 | 3.14 | — | 7.80 | 2.41 | 3.23 | 7.80 | 5.60 | 488 | A+ |
| | 26+26+53 | 26 | 26 | 53 | — | 1.93 | 1.93 | 3.94 | — | 7.80 | 2.41 | 3.23 | 7.80 | 5.60 | 488 | A+ |
| | 26+35+35 | 26 | 35 | 35 | — | 2.11 | 2.84 | 2.84 | — | 7.80 | 2.41 | 3.23 | 7.80 | 5.60 | 488 | A+ |
| | 26+35+53 | 26 | 35 | 53 | — | 1.78 | 2.39 | 3.63 | — | 7.80 | 2.41 | 3.23 | 7.80 | 5.60 | 488 | A+ |
| | 35+35+35 | 35 | 35 | 35 | — | 2.60 | 2.60 | 2.60 | — | 7.80 | 2.41 | 3.23 | 7.80 | 5.60 | 488 | A+ |
| 1x4 | 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++ |

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**Connectable indoor units:**
**capacity 20** = HKEU 203 ZL; **capacity 26** = HKEU 263 ZAL, HKEMM 266 ZAL, HKEMM 262 ZAL
**capacity 35** = HKEU 353 ZAL-1, HKEMM 356 ZAL, HKEMM 352 ZAL, HUCU 351 ZAL, HTFU 351 ZAL, HFIU 351 ZAL
**capacity 53** = HKEU 533 ZAL, HUCU 531 ZAL, HTFU 531 ZAL, HSFU 531 ZAL, HFIU 501 ZAL

# COMBINATIONS

## HCKU 810 Z4 Heating

| Combinations | Indoor units | Combination | | | | Rated heating capacity (kW) | | | | Total heating capacity (kW) | Power input (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 | | | | |
| 1x2 | 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 |
| 1x3 | 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 | 6.10 | 3.50 | 2440 | A |
| | 20+20+53 | 20 | 20 | 53 | — | 1.85 | 1.85 | 4.90 | — | 8.60 | 2.19 | 3.92 | 6.20 | 3.50 | 2480 | A |
| | 20+26+26 | 20 | 26 | 26 | — | 2.33 | 3.03 | 2.68 | — | 8.40 | 2.14 | 3.92 | 6.10 | 3.50 | 2440 | A |
| | 20+26+35 | 20 | 26 | 35 | — | 2.10 | 2.73 | 3.67 | — | 8.50 | 2.17 | 3.92 | 6.20 | 3.50 | 2480 | A |
| | 20+26+53 | 20 | 26 | 53 | — | 1.74 | 2.26 | 4.60 | — | 8.60 | 2.18 | 3.95 | 6.20 | 3.50 | 2480 | A |
| | 20+35+35 | 20 | 35 | 35 | — | 1.91 | 3.34 | 3.34 | — | 8.60 | 2.19 | 3.92 | 6.20 | 3.50 | 2480 | A |
| | 20+35+53 | 20 | 35 | 53 | — | 1.59 | 2.79 | 4.22 | — | 8.60 | 2.18 | 3.95 | 6.20 | 3.50 | 2480 | A |
| | 26+26+26 | 26 | 26 | 26 | — | 2.87 | 2.87 | 2.87 | — | 8.60 | 2.19 | 3.92 | 6.20 | 3.50 | 2480 | A |
| | 26+26+35 | 26 | 26 | 35 | — | 2.57 | 2.57 | 3.46 | — | 8.60 | 2.19 | 3.92 | 6.20 | 3.50 | 2480 | A |
| | 26+26+53 | 26 | 26 | 53 | — | 2.13 | 2.13 | 4.34 | — | 8.60 | 2.18 | 3.95 | 6.20 | 3.50 | 2480 | A |
| | 26+35+35 | 26 | 35 | 35 | — | 2.33 | 3.14 | 3.14 | — | 8.60 | 2.19 | 3.92 | 6.20 | 3.50 | 2480 | A |
| | 26+35+53 | 26 | 35 | 53 | — | 1.96 | 2.64 | 4.00 | — | 8.60 | 2.18 | 3.95 | 6.20 | 3.50 | 2480 | A |
| | 35+35+35 | 35 | 35 | 35 | — | 2.87 | 2.87 | 2.87 | — | 8.60 | 2.18 | 3.95 | 6.20 | 3.50 | 2480 | A |
| 1x4 | 20+20+20+20 | 20 | 20 | 20 | 20 | 2.20 | 2.20 | 2.20 | 2.20 | 8.80 | 2.20 | 4.00 | 6.50 | 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 | 6.50 | 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 | 6.50 | 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 | 6.50 | 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 | 6.50 | 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 | 6.50 | 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 | 6.50 | 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 | 6.50 | 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 | 6.50 | 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 | 6.50 | 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** | **6.50** | **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 | 6.50 | 3.80 | 2395 | A |

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**Connectable indoor units:**
**capacity 20** = HKEU 203 ZL; **capacity 26** = HKEU 263 ZAL, HKEMM 266 ZAL, HKEMM 262 ZAL
**capacity 35** = HKEU 353 ZAL-1, HKEMM 356 ZAL, HKEMM 352 ZAL, HUCU 351 ZAL, HTFU 351 ZAL, HFIU 351 ZAL
**capacity 53** = HKEU 533 ZAL, HUCU 531 ZAL, HTFU 531 ZAL, HSFU 531 ZAL, HFIU 501 ZAL

# COMBINATIONS

## HCKU 1060 Z4 Cooling

| Combinations | Indoor units | Combination | | | | Rated cooling capacity (kW) | | | | Total cooling capacity (kW) | Power input (kW) | EER[3] (W/W) | Pdesignc | SEER[2] | Annual consumption (kWh) | Energy class[1] |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Unit A | Unit B | Unit C | Unit D | Unit A | Unit B | Unit C | Unit D | std | std | std | | | | |
| 1x2 | 20+35 | 20 | 35 | — | — | 2.00 | 3.50 | — | — | 5.50 | 1.68 | 3.28 | 5.50 | 5.10 | 377 | A |
| | 20+53 | 20 | 53 | — | — | 1.92 | 5.08 | — | — | 7.00 | 2.13 | 3.28 | 7.00 | 5.20 | 471 | A |
| | 26+26 | 26 | 26 | — | — | 2.65 | 2.65 | — | — | 5.30 | 1.62 | 3.28 | 5.30 | 5.20 | 357 | A |
| | 26+35 | 26 | 35 | — | — | 2.56 | 3.44 | — | — | 6.00 | 1.83 | 3.28 | 6.00 | 5.20 | 404 | A |
| | 26+53 | 26 | 53 | — | — | 2.47 | 5.03 | — | — | 7.50 | 2.29 | 3.28 | 7.50 | 5.20 | 505 | A |
| | 35+35 | 35 | 35 | — | — | 3.50 | 3.50 | — | — | 7.00 | 2.13 | 3.28 | 7.00 | 5.20 | 471 | A |
| | 35+53 | 35 | 53 | — | — | 3.38 | 5.12 | — | — | 8.50 | 2.59 | 3.28 | 8.50 | 5.20 | 572 | A |
| | 53+53 | 53 | 53 | — | — | 5.00 | 5.00 | — | — | 10.00 | 3.09 | 3.24 | 10.00 | 5.20 | 673 | A |
| 1x3 | 20+20+20 | 20 | 20 | 20 | — | 2.00 | 2.00 | 2.00 | — | 6.00 | 1.80 | 3.33 | 6.00 | 5.60 | 375 | A+ |
| | 20+20+26 | 20 | 20 | 26 | — | 1.97 | 1.97 | 2.56 | — | 6.50 | 1.98 | 3.28 | 6.50 | 5.60 | 406 | A+ |
| | 20+20+35 | 20 | 20 | 35 | — | 2.00 | 2.00 | 3.50 | — | 7.50 | 2.29 | 3.28 | 7.50 | 5.60 | 469 | A+ |
| | 20+20+53 | 20 | 20 | 53 | — | 1.94 | 1.94 | 5.13 | — | 9.00 | 2.74 | 3.28 | 9.00 | 5.80 | 543 | A+ |
| | 20+26+26 | 20 | 26 | 26 | — | 1.94 | 2.53 | 2.53 | — | 7.00 | 2.13 | 3.28 | 7.00 | 5.80 | 422 | A+ |
| | 20+26+35 | 20 | 26 | 35 | — | 1.98 | 2.57 | 3.46 | — | 8.00 | 2.44 | 3.28 | 8.00 | 5.80 | 483 | A+ |
| | 20+26+53 | 20 | 26 | 53 | — | 1.92 | 2.49 | 5.09 | — | 9.50 | 2.93 | 3.24 | 9.50 | 5.80 | 573 | A+ |
| | 20+35+35 | 20 | 35 | 35 | — | 2.00 | 3.50 | 3.50 | — | 9.00 | 2.78 | 3.24 | 9.00 | 5.80 | 543 | A+ |
| | 20+35+53 | 20 | 35 | 53 | — | 1.85 | 3.24 | 4.91 | — | 10.00 | 3.09 | 3.24 | 10.00 | 5.80 | 603 | A+ |
| | 20+53+53 | 20 | 53 | 53 | — | 1.59 | 4.21 | 4.21 | — | 10.00 | 3.09 | 3.24 | 10.00 | 5.80 | 603 | A+ |
| | 26+26+26 | 26 | 26 | 26 | — | 2.50 | 2.50 | 2.50 | — | 7.50 | 2.31 | 3.24 | 7.50 | 5.80 | 453 | A+ |
| | 26+26+35 | 26 | 26 | 35 | — | 2.54 | 2.54 | 3.42 | — | 8.50 | 2.62 | 3.24 | 8.50 | 5.80 | 513 | A+ |
| | 26+26+53 | 26 | 26 | 53 | — | 2.48 | 2.48 | 5.05 | — | 10.00 | 3.09 | 3.24 | 10.00 | 5.80 | 603 | A+ |
| | 26+35+35 | 26 | 35 | 35 | — | 2.57 | 3.46 | 3.46 | — | 9.50 | 2.93 | 3.24 | 9.50 | 5.80 | 573 | A+ |
| | 26+35+53 | 26 | 35 | 53 | — | 2.28 | 3.07 | 4.65 | — | 10.00 | 3.09 | 3.24 | 10.00 | 5.80 | 603 | A+ |
| | 26+53+53 | 26 | 53 | 53 | — | 1.97 | 4.02 | 4.02 | — | 10.00 | 3.09 | 3.24 | 10.00 | 5.80 | 603 | A+ |
| | 35+35+35 | 35 | 35 | 35 | — | 3.33 | 3.33 | 3.33 | — | 10.00 | 3.09 | 3.24 | 10.00 | 5.80 | 603 | A+ |
| | 35+35+53 | 35 | 35 | 53 | — | 2.85 | 2.85 | 4.31 | — | 10.00 | 3.09 | 3.24 | 10.00 | 5.80 | 603 | A+ |
| | 35+53+53 | 35 | 53 | 53 | — | 2.48 | 3.76 | 3.76 | — | 10.00 | 3.09 | 3.24 | 10.00 | 5.80 | 603 | A+ |
| 1x4 | 20+20+20+20 | 20 | 20 | 20 | 20 | 2.05 | 2.05 | 2.05 | 2.05 | 8.20 | 2.29 | 3.58 | 8.20 | 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 | 8.50 | 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 | 9.50 | 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 | 10.40 | 6.20 | 587 | A++ |
| | 20+20+26+26 | 20 | 20 | 26 | 26 | 1.96 | 1.96 | 2.54 | 2.54 | 9.00 | 2.71 | 3.32 | 9.00 | 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 | 10.00 | 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 | 10.60 | 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 | 10.60 | 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 | 10.60 | 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 | 10.60 | 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 | 9.50 | 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 | 10.50 | 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 | 10.50 | 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 | 10.50 | 6.20 | 593 | A++ |
| | 20+26+35+53 | 20 | 26 | 35 | 53 | 1.58 | 2.06 | 2.77 | 4.19 | 10.60 | 3.28 | 3.23 | 10.50 | 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 | 10.50 | 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 | 10.50 | 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 | 10.50 | 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** | **10.50** | **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 | 10.50 | 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 | 10.50 | 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 | 10.50 | 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 | 10.50 | 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 | 10.50 | 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 | 10.50 | 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 | 10.60 | 6.20 | 598 | A++ |

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**capacity 53** = HKEU 533 ZAL, HUCU 531 ZAL, HTFU 531 ZAL, HSFU 531 ZAL, HFIU 501 ZAL

# COMBINATIONS

## HCKU 1060 Z4 Heating

| Combinations | Indoor units | Combination | | | | Rated heating capacity (kW) | | | | Total heating capacity (kW) | Power input (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 | | | | |
| 1x2 | 20+35 | 20 | 35 | — | — | 2.18 | 3.82 | — | — | 6.00 | 1.59 | 3.78 | 4.34 | 3.40 | 1787 | A |
| | 20+53 | 20 | 53 | — | — | 2.19 | 5.81 | — | — | 8.00 | 2.12 | 3.78 | 4.65 | 3.40 | 1915 | A |
| | 26+26 | 26 | 26 | — | — | 3.00 | 3.00 | — | — | 6.00 | 1.59 | 3.78 | 6.20 | 3.40 | 2553 | A |
| | 26+35 | 26 | 35 | — | — | 2.98 | 4.02 | — | — | 7.00 | 1.85 | 3.78 | 4.65 | 3.40 | 1915 | A |
| | 26+53 | 26 | 53 | — | — | 2.90 | 5.90 | — | — | 8.80 | 2.33 | 3.78 | 5.43 | 3.40 | 2234 | A |
| | 35+35 | 35 | 35 | — | — | 3.75 | 3.75 | — | — | 7.50 | 1.98 | 3.78 | 6.82 | 3.40 | 2808 | A |
| | 35+53 | 35 | 53 | — | — | 3.74 | 5.66 | — | — | 9.40 | 2.49 | 3.78 | 5.81 | 3.40 | 2393 | A |
| | 53+53 | 53 | 53 | — | — | 5.05 | 5.05 | — | — | 10.10 | 2.66 | 3.80 | 7.29 | 3.50 | 2914 | A |
| 1x3 | 20+20+20 | 20 | 20 | 20 | — | 2.50 | 2.50 | 2.50 | — | 7.50 | 1.96 | 3.82 | 8.40 | 3.60 | 3267 | A |
| | 20+20+26 | 20 | 20 | 26 | — | 2.36 | 2.36 | 3.07 | — | 7.80 | 2.04 | 3.82 | 5.81 | 3.60 | 2260 | A |
| | 20+20+35 | 20 | 20 | 35 | — | 2.27 | 2.27 | 3.97 | — | 8.50 | 2.23 | 3.82 | 6.05 | 3.60 | 2351 | A |
| | 20+20+53 | 20 | 20 | 53 | — | 2.30 | 2.30 | 6.10 | — | 10.70 | 2.78 | 3.85 | 6.59 | 3.60 | 2562 | A |
| | 20+26+26 | 20 | 26 | 26 | — | 2.36 | 3.07 | 3.07 | — | 8.50 | 2.23 | 3.82 | 8.60 | 3.60 | 3344 | A |
| | 20+26+35 | 20 | 26 | 35 | — | 2.47 | 3.21 | 4.32 | — | 10.00 | 2.62 | 3.82 | 6.59 | 3.60 | 2562 | A |
| | 20+26+53 | 20 | 26 | 53 | — | 2.16 | 2.81 | 5.73 | — | 10.70 | 2.78 | 3.85 | 7.75 | 3.60 | 3014 | A |
| | 20+35+35 | 20 | 35 | 35 | — | 2.24 | 3.93 | 3.93 | — | 10.10 | 2.62 | 3.85 | 8.60 | 3.60 | 3344 | A |
| | 20+35+53 | 20 | 35 | 53 | — | 1.98 | 3.47 | 5.25 | — | 10.70 | 2.78 | 3.85 | 8.40 | 3.60 | 3267 | A |
| | 20+53+53 | 20 | 53 | 53 | — | 1.70 | 4.50 | 4.50 | — | 10.70 | 2.78 | 3.85 | 8.60 | 3.60 | 3344 | A |
| | 26+26+26 | 26 | 26 | 26 | — | 3.33 | 3.33 | 3.33 | — | 10.00 | 2.62 | 3.82 | 8.60 | 3.60 | 3344 | A |
| | 26+26+35 | 26 | 26 | 35 | — | 3.02 | 3.02 | 4.06 | — | 10.10 | 2.62 | 3.85 | 7.75 | 3.60 | 3014 | A |
| | 26+26+53 | 26 | 26 | 53 | — | 2.65 | 2.65 | 5.40 | — | 10.70 | 2.78 | 3.85 | 8.40 | 3.60 | 3267 | A |
| | 26+35+35 | 26 | 35 | 35 | — | 2.90 | 3.90 | 3.90 | — | 10.70 | 2.78 | 3.85 | 8.60 | 3.60 | 3344 | A |
| | 26+35+53 | 26 | 35 | 53 | — | 2.44 | 3.29 | 4.97 | — | 10.70 | 2.78 | 3.85 | 8.60 | 3.60 | 3344 | A |
| | 26+53+53 | 26 | 53 | 53 | — | 2.11 | 4.30 | 4.30 | — | 10.70 | 2.78 | 3.85 | 8.60 | 3.60 | 3344 | A |
| | 35+35+35 | 35 | 35 | 35 | — | 3.57 | 3.57 | 3.57 | — | 10.70 | 2.78 | 3.85 | 8.60 | 3.60 | 3344 | A |
| | 35+35+53 | 35 | 35 | 53 | — | 3.04 | 3.04 | 4.61 | — | 10.70 | 2.78 | 3.85 | 8.60 | 3.60 | 3344 | A |
| | 35+53+53 | 35 | 53 | 53 | — | 2.66 | 4.02 | 4.02 | — | 10.70 | 2.78 | 3.85 | 8.60 | 3.60 | 3344 | A |
| 1x4 | 20+20+20+20 | 20 | 20 | 20 | 20 | 2.50 | 2.50 | 2.50 | 2.50 | 10.00 | 2.56 | 3.90 | 8.60 | 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 | 7.75 | 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 | 8.50 | 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 | 9.00 | 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 | 9.00 | 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 | 9.00 | 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 | 9.00 | 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 | 9.00 | 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 | 9.00 | 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 | 9.00 | 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 | 9.00 | 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 | 9.00 | 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 | 9.00 | 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 | 9.00 | 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 | 9.00 | 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 | 9.00 | 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 | 9.00 | 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 | 9.00 | 3.80 | 3316 | A |
| | **26+26+26+26** | **26** | **26** | **26** | **26** | **2.78** | **2.78** | **2.78** | **2.77** | **11.10** | **2.82** | **3.93** | **9.00** | **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 | 9.00 | 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 | 9.00 | 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 | 9.00 | 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 | 9.00 | 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 | 9.00 | 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 | 9.00 | 3.80 | 3316 | A |
| | 35+35+35+35 | 35 | 35 | 35 | 35 | 2.78 | 2.78 | 2.78 | 2.77 | 11.10 | 2.82 | 3.93 | 9.00 | 3.80 | 3316 | A |

**Energy Class** = EU Delegated Regulation No. 626/2011 on the new labelling indicating the energy consumption of air conditioners.
**SCOP** = EU Regulation No. 206/2012 - - Value measured according to the harmonised standard EN14825.
**COP** = Value measured according to the harmonised standard EN14511

**Connectable indoor units:**
**capacity 20** = HKEU 203 ZL; **capacity 26** = HKEU 263 ZAL, HKEMM 266 ZAL, HKEMM 262 ZAL
**capacity 35** = HKEU 353 ZAL-1, HKEMM 356 ZAL, HKEMM 352 ZAL, HUCU 351 ZAL, HTFU 351 ZAL, HFIU 351 ZAL
**capacity 53** = HKEU 533 ZAL, HUCU 531 ZAL, HTFU 531 ZAL, HSFU 531 ZAL, HFIU 501 ZAL