HOKKAIDO

Experience makes technology

GENERAL CATALOGUE

2022

Residential
Commercial
Project VRF
Heating

HOKKAIDO

Experience makes technology

GENERAL CATALOGUE HOKKAIDO 2022

Hokkaido, a leading company in the air conditioning market in Italy and Europe, stands apart for its ability to meet all supply requests, satisfying even the most demanding customers. Hokkaido is part of the Termal Group.

Our own brand products are known for their excellent value for money and for their reliability. The extent of the range offered, before and after sales services, and direct logistics management are the strengths of Hokkaido.

COMFORT AND **TECHNOLOGY**

Wide range, excellent value for money, integrated logistics, quick deliveries throughout the EU, a vast assortment of spare parts and accessories that can be ordered online and are available in 24 hours.

OVER TWENTY YEARS OF EXPERIENCE

The Hokkaido brand is a recognized leader in Italy and Europe in the air conditioning sector for residential, commercial and industrial applications. Its success has been built step by step over the past twenty years of business.

The origins of the Hokkaido brand date back to the end of 1998, the year in which the Termal Group started the distribution of a selection of products for residential air conditioning, whose ***affordable*** value was strongly perceived by the market. The distribution of Hokkaido products became widespread immediately throughout Italy, through the channel of professional installers and the national network of consumer electronics shops.

AN INTERNATIONAL BUSINESS

Starting from the early 2000s, its international network of dealers and partner distributors developed quickly thanks mainly to the variety and reliability of services offered, thus strengthening the business development strategy of the Hokkaido brand in international markets.

The company's great attention to customer needs has contributed to the success of the Hokkaido brand. Special care has especially been given to the logistics organisation, which has always been the point of excellence of the Termal Group: quick deliveries throughout the EU, a vast assortment of spare parts and accessories that can be ordered on-line and that are available in 24 hours. All this provides customers with outstanding operational and commercial flexibility, and therefore strong competitiveness for improved management of various local markets.

OUR HEADQUARTERS

The company's headquarters is in Bologna at the operational centre of Termal Group, to which it belongs. This modern building (4,000 square metres of offices and 4,500 square metres of product storage area) is the operational centre of all commercial, logistic and administrative activities.

This centre also brings together service operations and technical-commercial training, managed directly to ensure the highest quality standards. The factory, set in a strategic position with respect to the airport and the motorway, is designed according to modern architectural concepts both with regards to logistics and to the corporate wellness of employees.

Offices with large windows that connect employees with the outside and large spaces for free time after work - such as a swimming pool, gym, tennis court, football pitch, guest quarters and company restaurant - make the premises more people-friendly.

OUR **MISSION**

Being constantly engaged in improving the world's climate also means taking on the commitment to use energy intelligently to protect the environment.

THE NETWORK

Hokkaido products are distributed on the Italian and international markets through specialised distribution networks, with an integrated logistics service.

Hokkaido was founded more than 20 years ago, proudly boasting all its experience and resources network that are needed to offer adaptable and hi-tech solutions for heating, cooling and domestic hot water production.

Visit our official website **www.hokkaido.it**

TRAINING & PROFESSIONAL REFRESHER COURSES

Hokkaido believes that training is very important for the professional development of its customers. To this end, it organises training modules for learning, updating and technical improvement.

The Academy Centre, located in Bologna, consists of classrooms dedicated to theoretical lessons and classrooms for demonstration and practical lessons. Operating systems of the different families of air conditioning products are installed in these classrooms with their corresponding control devices.

The courses meet the training needs of various users regarding installation and the assistance and maintenance of residential, commercial, VRF and hydronic systems.

Training courses are always updated according to the new ranges, the technological evolution of products and the regulatory changes in the sector:

- Refrigerant circuit
- Installation problems
- Fault diagnostics
- Assistance
- Design of systems with variable capacities
- Use of software for sizing XRV systems

At the end of each course, participants receive an attendance certificate and handouts related to the technical topics dealt with.

GOAL 110%

SUPERBONUS **110%**

As of 1 July and until 30 June 2022, certain types of works aimed at the energy redevelopment of buildings will be able to benefit from a **Superbonus of 100% over 4 years**.

However, the Italian budget law introduced a series of extensions for some categories if certain criteria are met:

- For apartment buildings, the 110% deduction has been extended until 12/31/2023. It will then be remodelled to 70% for the expenses incurred in 2024 and 65% for those incurred in 2025. This category also includes interventions carried out in reference to buildings from two to four distinctly stacked real estate units, even if owned by a single owner or jointly owned by several natural persons;
- For single-family buildings and functionally independent real estate units with independent access from the outside, the deduction of 110% can be extended until 12/31/2022 if 30% of the works have been completed by the end of June 2022.

For more detailed information and any updates, please refer to the official government website: https://www.governo.it/it/superbonus.

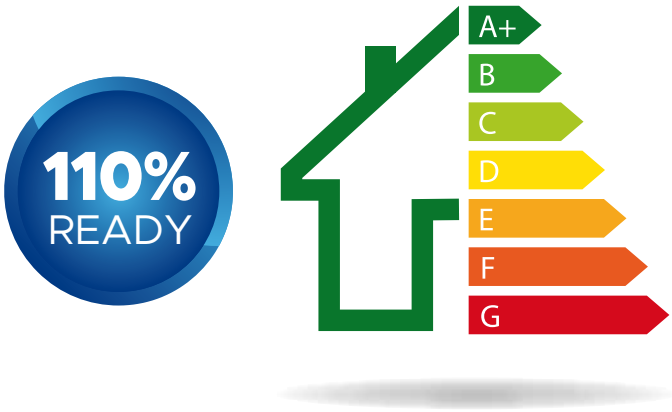
The works that allow access to incentives are:

- Works on common parts that allow the building to upgrade by at least 2 energy classes;
- Works on single-family buildings that allow an upgrade of at least 2 energy classes.

To achieve these objectives, it is necessary to intervene on existing thermal insulation and winter air conditioning systems, **replacing them with heat pump systems for heating, cooling and/or the supply of domestic hot water**.

Hokkaido's extensive product range meets all design requirements to achieve high quality standards.

This applies only to the Italian market.



In order to access the **110% bonus**, it is necessary to completely replace the previous system with the new one and the works carried out must ensure, as a whole, the improvement of at least **two energy classes** of the building or, if this is not possible, the achievement of the highest energy class, to be demonstrated by means of an energy performance certificate (**APE**) issued by the qualified technician in the form of a sworn statement.

The deduction will apply to documented expenses incurred by the taxpayer between **1 July 2020 and 30 June 2022**, to be divided among those entitled in five equal annual instalments.

The Italian Budget Law decides upon all works allowed in the eco-bonus 110%.

In detail, they can be listed under:

1. **Thermal insulation of vertical, horizontal and sloping opaque surfaces** affecting the building enclosure with an incidence of more than 25% of the gross dispersion surface of the building or of the building unit located inside multi-family buildings which is functionally independent and has one or more independent accesses from the outside.
2. Works on the common parts of buildings for the **replacement of existing winter air conditioning systems with centralised systems for heating, cooling and/or the supply of domestic hot water**, with condensation, with efficiency at least equal to product class A, **with heat pump**, including hybrid or geothermal systems, **also combined with the installation of photovoltaic systems**, or with micro-cogeneration systems or solar collectors.
3. Works on single-family buildings for the **replacement of existing winter air conditioning systems with systems for heating, cooling and/or the supply of domestic hot water**, with condensation, with efficiency at least equal to product class A, **with heat pump**, including hybrid or geothermal systems, **also combined with the installation of photovoltaic systems**, or with micro-cogeneration systems or solar collectors.

Note: parameters are subject to change due to updates in the current regulations.

This applies only to the Italian market.

TAX DEDUCTIONS **50%** AND **65% THERMAL ACCOUNT 2.0**

	SAVINGS Building Renovation (50%)	**INNOVATION** Energy Redevelopment (65%)	**SUSTAINABILITY** Thermal Account 2.0
What it is	This is a tax relief dedicated to building renovation and special maintenance activities aimed at **energy savings**, such as the installation of a heat pump. This is an IRPEF deduction which, starting from 26 June 2012, is equal to 50% of the expenses incurred.	The energy saving bonus, also known as Ecobonus, allows taxpayers to benefit from an IRPEF/IRES deduction on expenses incurred to improve the energy efficiency of their homes. In particular, **the subsidy is granted when carrying out interventions that increase the level of energy efficiency of existing buildings.**	This is a subsidy dedicated to those who want to improve the energy efficiency of their homes. In particular, this bonus **incentivises the production of energy from renewable sources** in small-scale plants. The more renewable energy is used to heat the house, the higher the contribution received. Up to 65% of the total costs incurred can be reimbursed directly into your bank account.
Entities	Individuals	Individuals	Individuals
	Apartment buildings	Apartment buildings	Apartment buildings
		Business or farm income holders	Business or farm income holders
			Public administrations
How do I get it?	IRPEF deduction	IRPEF or IRES deduction	Refund into your bank account
Payment time?	10 years	10 years	Within 60 days if < € 5,000 - from 2 to 4 years based on works if > € 5,000
How it is calculated	% of total costs products + labour + material + consultancy	% of total costs products + labour + material + consultancy	Fixed by product characteristics
Percentage value	50%	65%	Based on product characteristics, up to 65%.

PRODUCTS	ENERGY SAVING	HIGH EFFICIENCY	RENEWABLE ENERGY
Heat pump air conditioner	✓	✓	✓
Air-water heat pump	✓	✓	✓
Water heater with heat pump	✓	✓	✓

Note: parameters are subject to change based on updates in the current regulations.

HEAT PUMP INCENTIVES

What incentives are available for the installation of an air or water heat pump?

Generator replaced	Generator installed	Building renovation	Energy redevelopment	Thermal Account 2.0
None	Heat pump	✓		
Boiler	Heat pump	✓	✓	✓
Heat pump	Heat pump	✓	✓	✓
Boiler + Heat pump	Heat pump	✓	✓	✓

DID YOU KNOW?

- ✓ The Building Renovation Bonus provides incentives not only for renovation but also for the **new installation** of a heat pump: use it not only in summer but also to heat your home in the mid-seasons, save energy and contribute to protecting the environment.
- ✓ **Not only owners**, but also tenants or family members can benefit from the incentives, provided that they bear the costs.

This applies only to the Italian market.

HOKKAIDO

Experience makes technology

GENERAL INDEX

RESIDENTIAL AND 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 eviroment, will find a practical solution in the new **RESIDENTIAL AND COMMERCIAL R32** line, which offers a selection of the best the market has to offer for residential installations.

THE **RESPONSIBLE** CHOICE

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

THE ADVANTAGES OF R32

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

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

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

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

WHY CHOOSE R32?

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

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

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

STORAGE, STANDARDS AND DESIGN

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

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

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

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

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

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

SIMPLIFY YOUR LIFESTYLE

HOKKAIDO WIFI SYSTEMS

HKM-WIFI | HKM-WIFI-TB

ACTIVE LIFESTYLES

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

EXPERT SAVERS

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

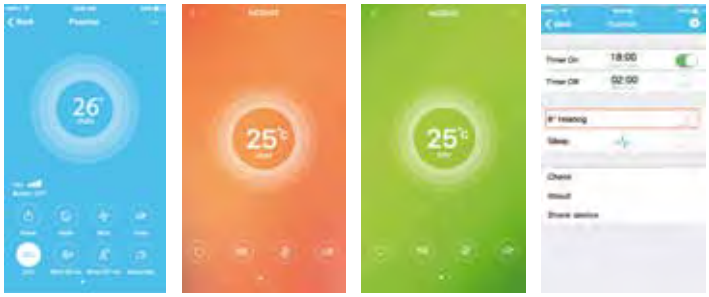
WIFI SYSTEMS FOR ALL NEEDS

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

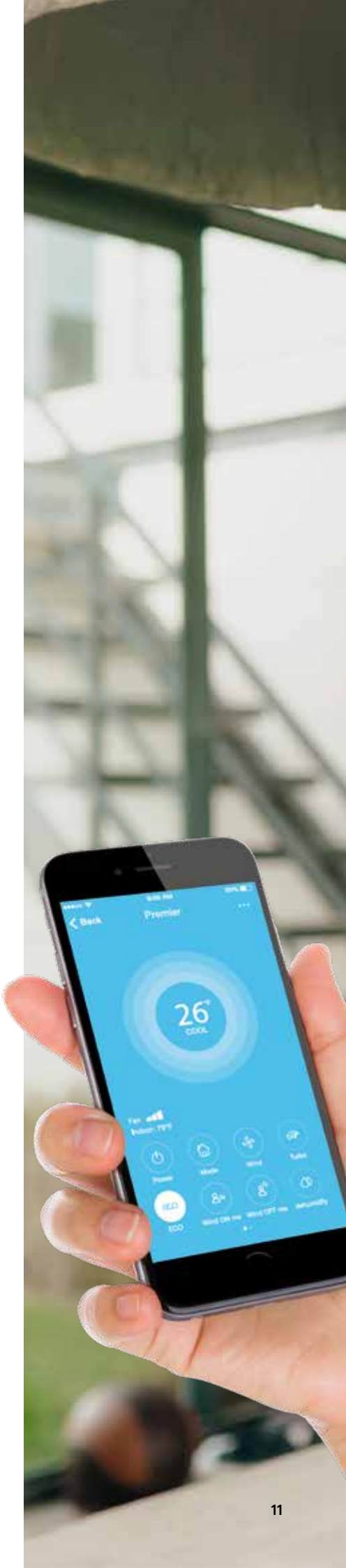
- **HKM-WIFI**: for residential wall-mounted indoor units.
- **HKM-WIFI-TB**: for commercial indoor units slim cassette.

Available for Android devices from the Google Play Store.

Some examples of screens from iOs devices



Available for iOS devices from the Apple App Store.



ARASHI
EFFICIENCY & HEALTH

LOW CONSUMPTION

A++ in cooling

A+ in heating

ALL-AROUND COMFORT

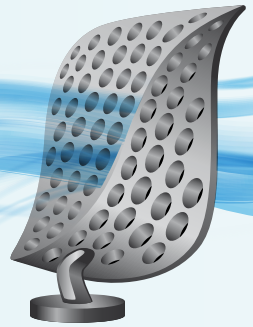
New air distribution louvers

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

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

ONLY 22 dB | very quiet operation

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



EXTREMELY HIGH PERFORMANCE UNDER EXTREME CONDITIONS

53°C

ARASHI cools up to 53°C outside

-20°C

ARASHI heats down to -20°C outside

LOW CORROSION THANKS TO THE BLUE FIN TREATMENT

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

WIFI INCLUDED

SMARTLIFE-SMARTHOME

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

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

SMART MANAGEMENT WITH WIFI

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

Commercially available voice control device (third party).

ARASHI
AIR TREATMENT

BREATHE CLEAN AIR IN YOUR HOME

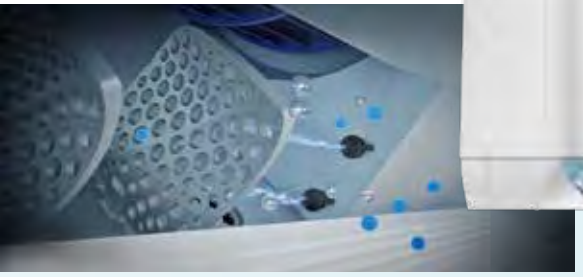
ARASHI is equipped with a combined action filter system.

6-in-1 filtration system

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

HD (high density) filter

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



A SANITISATION SYSTEM EFFECTIVE AGAINST VIRUSES AND BACTERIA

>98.66%

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

UVC sterilization

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

NEUTRALISES VIRUSES AND BACTERIA damaging their proteins and DNA.

UVC RADIATION frequency 240/280 nm.

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

B.I.G. Care system

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

Self-Clean function

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

KAITEKI
COMFORT AND SAVINGS

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

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

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

22dB(A)
decibels in ULow mode

LOW CONSUMPTION

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

A++ **in cooling**

A+ **in heating**

KAITEKI
QUALITY THAT LASTS

Turbo function

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

Bluefin treatment

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

Bluefin treatment increases corrosion resistance and protects against UV radiation.

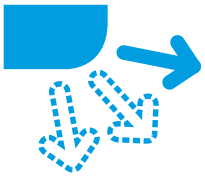
THE TEMPERATURE YOU WANT, WHERE YOU WANT IT

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

FUNCTIONAL FEATURES
HOKKAIDO MODELS

Refrigerant leak detection

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



Louver position memory

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

24H timer

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

Sleep mode

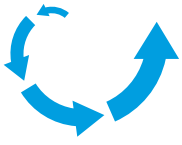
Reduces consumption at night.
In cooling mode, the system increases the room temperature by 2° C within 2 hours (in heating mode the system lowers the temperature by 2° C). At the end of the 2 hours, the indoor unit runs at low speed. The system maintains the temperature for the next 5 hours.

Silence mode

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

The temperature sensor is in the remote control

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



Turbo function

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

Autorestart function

Resets pre-defined settings after a blackout.

R32 MONOSPLIT

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

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

ARASHI DC INVERTER

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

Remote control included as standard

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

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

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

Wi-Fi included

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

1 EU Delegated Regulation No.626/2011 on the new labelling indicating the energy consumption of air conditioners. 2 EU Regulation No.206/2012 - - Value measured according to harmonised standard EN14825. 3 Value measured according to harmonised standard EN14511. 4 Refrigerant leakage contributes to climate change. When released into the atmosphere, refrigerants with a lower global warming potential (GWP) contribute less to global warming than those with a higher GWP. This appliance contains a refrigerant with a GWP of 675. If 1 kg of this refrigerant fluid were released into the atmosphere, therefore, the impact on global warming would be 675 times higher than 1 kg of CO2, over a period of 100 years. Under no circumstances should the user try to intervene on the refrigerant circuit or disassemble the product. Always contact qualified personnel if necessary.

KAITEKI DC INVERTER

Wall HKETM 260-350-530-710 ZAL

Remote control included as standard

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

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

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

1 EU Delegated Regulation No.626/2011 on the new labelling indicating the energy consumption of air conditioners. 2 EU Regulation No.206/2012 - - Value measured according to harmonised standard EN14825. 3 Value measured according to harmonised standard EN14511. 4 Refrigerant leakage contributes to climate change. When released into the atmosphere, refrigerants with a lower global warming potential (GWP) contribute less to global warming than those with a higher GWP. This appliance contains a refrigerant with a GWP of 675. If 1 kg of this refrigerant fluid were released into the atmosphere, therefore, the impact on global warming would be 675 times higher than 1 kg of CO2, over a period of 100 years. Under no circumstances should the user try to intervene on the refrigerant circuit or disassemble the product. Always contact qualified personnel if necessary.

ACTIVE LINE DC INVERTER

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

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

Remote control included as standard

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

optional Wi-Fi

Indoor unit model			HKEU 263 ZAL	HKEU 353 ZAL-1	HKEU 533 ZAL	HKEU 713 ZAL
Outdoor unit model			HCNMX 263 ZA	HCNMX 353 ZA	HCNI 533 ZA	HCNI 713 ZA
Type			DC-Inverter heat pump			
Control (included)			Remote control			
Rated capacity (T=+35°C)	Cooling	kW	2.64 (0.91~3.40)	3.52 (1.11~4.16)	5.28 (1.82~6.13)	7.03 (2.08~7.95)
Rated absorbed power (T=+35°C)		kW	0.73 (0.10~1.24)	1.21 (0.13~1.58)	1.54 (0.14~2.36)	2.35 (0.16~2.96)
Rated energy efficiency coefficient		EER[3]	3.62	2.91	3.43	2.99
Seasonal energy efficiency class		626/2011[1]	A++	A++	A++	A++
Seasonal energy efficiency index		SEER[2]	6.30	6.10	7.10	6.10
Annual energy consumption		kWh/a	156	221	256	412
Theoretical load (Pdesignc)		kW	2.80	3.60	5.20	7.00
Rated capacity (T=+7°C)	Heating	kW	2.93 (0.82~3.37)	3.81 (1.08~4.22)	5.57 (1.38~6.74)	7.33 (1.61~8.79)
Rated absorbed power (T=+7°C)		kW	0.73 (0.12~1.20)	1.09 (0.10~1.68)	1.48 (0.20~2.41)	2.04 (0.26~3.14)
Rated energy performance coefficient		COP[3]	4.01	3.50	3.76	3.59
Energy efficiency class (average season)		626/2011[1]	A+	A+	A+	A+
Seasonal energy efficiency class index (average season)		SCOP[2]	4.00	4.00	4.00	4.00
Annual energy consumption		kWh/a	910	945	1435	1697
Theoretical load (Pdesignh) @-10°C		kW	2.60	2.70	4.10	4.80
Operating limits (outside temperature)	Cooling	°C	-15~50			
	Heating	°C	-15~30			
Electrical data						
Power supply	Outdoor unit	Ph-V-Hz	1Ph - 220/240V - 50Hz			
Power cable		Type	3 x 2.5 mm²		3 x 4 mm²	
Connection wires between I.U. and O.U.		no.	5	5	5	5
Absorbed current	Cooling	A	3.20 (0.40~5.40)	5.30 (0.50~6.90)	6.90 (0.60~10.30)	10.20 (0.70~13.30)
	Heating	A	3.20 (0.50~5.20)	4.70 (0.40~6.90)	6.40 (0.90~10.50)	10.20 (1.10~13.30)
Maximum current		A	10.00	10.00	13.50	17.50
Maximum absorbed power		kW	2.15	2.15	2.95	3.85
Refrigerant circuit						
Refrigerant (GWP)[4]			R32 (675)	R32 (675)	R32 (675)	R32 (675)
Quantity refrigerant pre-load		Kg	0.55	0.55	1	1.6
Tons of CO2 equivalent		t	0.371	0.371	0.675	1.080
Diameter of refrigerant piping on liquid/gas		mm (inches)	ø6.35(1/4") - ø9.52(3/8")	ø6.35(1/4") - ø9.52(3/8")	ø6.35(1/4") - ø12.74(1/2")	ø9.52 (3/8") - ø15.88 (5/8")
Max splitting length		m	25	25	30	50
Max height difference I.U./O.U.		m	10	10	20	25
Split length without additional charge		m	5	5	5	5
Additional load		g/m	12	12	12	24
Indoor unit specifications						
Dimensions	LxDxH	mm	805x194x285	805x194x285	957x213x302	1040x220x327
Net weight		Kg	7.6	7.6	10	12.3
Sound pressure level (I.U.)	Hi/Mi/Lo	dB(A)	38.5/32/25	40.5/34.5/25	44/37/25	44.5/42/28
Sound power level (I.U.)	Hi	dB(A)	54	55	55	59
Treated air volume	Hi/Mi/Lo	m³/h	466/360/325	540/430/314	840/680/540	980/817/662
Motor power (Output)		W	40	40	36	58
Diameter of condensate drain		mm	-	-	-	-
Specifications of outdoor units						
Dimensions	LxDxH	mm	720x270x495	720x270x495	800x333x554	845x363x702
Net weight		Kg	23.2	23.2	34	51.5
Sound pressure level (O.U.)		dB(A)	55.5	56	56	59.5
Sound power level (O.U.)		dB(A)	62	63	61	67
Treated air (Max)		m³/h	1750	1800	2500	3000
Motor power (Output)		W	-	-	63	115
Optional parts						
Wired remote control			NO			
Centralized control			NO			
Wi-Fi module			HKM-WIFI			

1 EU Delegated Regulation No.626/2011 on the new labelling indicating the energy consumption of air conditioners. 2 EU Regulation No.206/2012 - - Value measured according to harmonised standard EN14825. 3 Value measured according to harmonised standard EN14511. 4 Refrigerant leakage contributes to climate change. When released into the atmosphere, refrigerants with a lower global warming potential (GWP) contribute less to global warming than those with a higher GWP. This appliance contains a refrigerant with a GWP of 675. If 1 kg of this refrigerant fluid were released into the atmosphere, therefore, the impact on global warming would be 675 times higher than 1 kg of CO2, over a period of 100 years. Under no circumstances should the user try to intervene on the refrigerant circuit or disassemble the product. Always contact qualified personnel if necessary.

COMPACT CASSETTE 60x60

HTFU 351-531 ZAL

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

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

Remote control included as standard

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

Pre-set for external air inlet

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

Wi-Fi optional

Indoor unit model			HTFU 351 ZAL	HTFU 531 ZAL
Outdoor unit model			HCKI 351 ZA	HCKI 531 ZA
Type			FULL DC-Inverter heat pump	
Control (included)			Remote control	
Rated capacity (T=+35°C)	Cooling	kW	3.52 (0.85~4.11)	5.28 (2.90~5.59)
Rated absorbed power (T=+35°C)	Cooling	kW	1.01 (0.17~1.43)	1.63 (0.72~2.09)
Rated energy efficiency coefficient	Cooling	EER[3]	3.49	3.23
Seasonal energy efficiency class	Cooling	626/2011[1]	A++	A++
Seasonal energy efficiency index	Cooling	SEER[2]	6.60	6.30
Annual energy consumption	Cooling	kWh/a	186	294
Theoretical load (Pdesignc)	Cooling	kW	3.50	5.30
Rated capacity (T=+7°C)	Heating	kW	3.81 (0.47~4.31)	5.57 (2.37~6.10)
Rated absorbed power (T=+7°C)	Heating	kW	1.02 (0.12~1.38)	1.54 (0.70~1.93)
Rated energy performance coefficient	Heating	COP[3]	3.74	3.62
Energy efficiency class (average season)	Heating	626/2011[1]	A+	A+
Seasonal energy efficiency class index (average season)	Heating	SCOP[2]	4.10	4.00
Annual energy consumption	Heating	kWh/a	922	1470
Theoretical load (Pdesignh) @-10° C	Heating	kW	2.70	4.20
Operating limits (outside temperature)	Cooling	°C	-15~50	
	Heating	°C	-15~24	
Electrical data				
Power supply	Outdoor unit	Ph-V-Hz	1-220~240V-50HZ	
Power cable		Type	3 x 2.5 mm²	3 x 4.0 mm²
Connection wires between I.U. and O.U.		no.	4	4
Rated absorbed current (min~max)	Cooling	A	4.50 (1.30~6.30)	7.20 (3.20~9.20)
	Heating	A	4.70 (1.00~6.10)	6.80 (3.10~8.50)
Maximum current		A	9.00	13.50
Maximum absorbed power		kW	1.85	2.95
Refrigerant circuit				
Refrigerant (GWP)[4]			R32 (675)	R32 (675)
Quantity refrigerant pre-load		Kg	0.72	1.15
Tons of CO2 equivalent		t	0.486	0.776
Diameter of refrigerant piping on liquid/gas		mm (inches)	ø6.35(1/4") - ø9.52(3/8")	ø6.35(1/4") - ø12.74(1/2")
Max splitting length		m	25	30
Max height difference I.U./O.U.		m	10	20
Splitting length without additional load		m	5	5
Additional load		g/m	12	12
Indoor unit specifications				
Dimensions	LxDxH	mm	570x570x260	570x570x260
Net weight		Kg	16.3	16.5
Sound pressure level (I.U.)	Hi/Mi/Lo/ULo	dB(A)	41/36/33/25.5	43/39.5/35.5/29
Sound power level (I.U.)	Hi	dB(A)	56	57
Treated air volume	Hi/Mi/Lo	m³/h	620/510/420	720/620/500
Motor power (Output)		W	46	46
Outside diameter of condensate drain		mm	ø25	ø25
Specifications of outdoor units				
Dimensions	LxDxH	mm	765x303x555	805x330x554
Net weight		Kg	26.6	32.5
Sound pressure level / Sound power level (O.U.)		dB(A)	53.6 / 61	56 / 65
Treated air (Max)		m³/h	2200	2100
Motor power (Output)		W	34	34
Accessories				
Decorative panel			TFP 200 ZA	
Dimensions	LxDxH	mm	647x647x50	
Net weight		Kg	2.5	
Optional parts				
Wired remote control and manual centralized control			DHW-WT-ZA	
Wi-Fi centralized control			XRV Mobile BMS	

1 EU Delegated Regulation No.626/2011 on the new labelling indicating the energy consumption of air conditioners. 2 EU Regulation No.206/2012 - - Value measured according to harmonised standard EN14825. 3 Value measured according to harmonised standard EN14511. 4 Refrigerant leakage contributes to climate change. When released into the atmosphere, refrigerants with a lower global warming potential (GWP) contribute less to global warming than those with a higher GWP. This appliance contains a refrigerant with a GWP of 675. If 1 kg of this refrigerant fluid were released into the atmosphere, therefore, the impact on global warming would be 675 times higher than 1 kg of CO2, over a period of 100 years. Under no circumstances should the user try to intervene on the refrigerant circuit or disassemble the product. Always contact qualified personnel if necessary.

SLIM CASSETTE 84x84

HTBI 711-1081-1401-1601 ZA

Remote control included as standard

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

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

8-ways TBP 711 ZA panel

Pre-set for external air inlet

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

Wi-Fi optional

Indoor unit model			HTBI 711 ZA	HTBI 1081 ZA	HTBI 1401 ZA	HTBI 1601 ZA
Outdoor unit model			HCKI 711 ZA	HCSI 1081 ZA	HCSI 1401 ZA	HCSI 1601 ZA
Type			FULL DC-Inverter heat pump			
Control (included)			Remote control			
Rated capacity (T=+35°C)		kW	7.03 (3.30~7.91)	10.55 (2.70~11.43)	14.07 (3.52~15.83)	15.24 (4.10~16.71)
Rated absorbed power (T=+35°C)		kW	2.32 (0.78~2.75)	4.00 (0.89~4.15)	4.65 (0.80~5.90)	5.00 (0.98~6.20)
Rated energy efficiency coefficient		EER[3]	3.03	2.64	3.03	3.05
Seasonal energy efficiency class	Cooling	626/2011[1]	A++	A++	A++	A++
Seasonal energy efficiency index		SEER[2]	6.20	6.40	6.10	6.30
Annual energy consumption		kWh/a	395	574	803	850
Theoretical load (Pdesignc)		kW	7.00	10.50	14.00	15.30
Rated capacity (T=+7°C)		kW	7.62 (2.81~8.94)	11.14 (2.78~12.30)	16.12 (4.10~17.29)	18.17 (4.40~19.93)
Rated absorbed power (T=+7°C)		kW	1.90 (0.61~2.70)	3.00 (0.78~4.00)	4.58 (0.90~5.50)	5.55 (1.02~6.70)
Rated energy performance coefficient		COP[3]	4.01	3.71	3.52	3.27
Energy efficiency class (average season)	Heating	626/2011[1]	A+	A+	A+	A+
Seasonal energy efficiency class index (average season)		SCOP[2]	4.00	4.00	4.00	4.00
Annual energy consumption		kWh/a	2100	2870	3850	4165
Theoretical load (Pdesignh) @-10° C		kW	6.00	8.20	11.00	11.90
Operating limits (outside temperature)	Cooling	°C	-15~50			
	Heating	°C	-15~24			
Electrical data						
Power supply	Outdoor unit	Ph-V-Hz	1-220~240V-50HZ	3-380~415V-50HZ		
Power cable		Type	3 x 4 mm²	5 x 2.5 mm²	5 x 4 mm²	5 x 4 mm²
Connection wires between I.U. and O.U.		no.	4	4	4	4
Rated absorbed current (min~max)	Cooling	A	10.20 (4.20~12.00)	6.50 (1.40~6.50)	8.10 (1.80~10.20)	8.60 (2.10~10.70)
	Heating	A	8.50 (3.60~12.10)	5.00 (1.30~6.40)	8.00 (1.90~9.50)	9.60 (2.10~10.70)
Maximum current		A	19.00	10.00	13.00	14.00
Maximum absorbed power		kW	3.70	5.00	6.90	7.50
Refrigerant circuit						
Refrigerant (GWP)[4]			R32 (675)			
Quantity refrigerant pre-load		Kg	1.5	2.4	2.9	3
Tons of CO2 equivalent		t	1.013	1.620	1.958	2.025
Diameter of refrigerant piping on liquid/gas		mm (inches)	ø9.52(3/8") - ø15.88(5/8")			
Max splitting length		m	50	75	75	75
Max height difference I.U./O.U.		m	25	30	30	30
Splitting length without additional load		m	5	5	5	5
Additional load		g/m	24	24	24	24
Indoor unit specifications						
Dimensions	LxDxH	mm	830x830x205	830x830x245	830x830x287	830x830x287
Net weight		Kg	21.6	27.2	29.3	29.3
Sound pressure level (I.U.)	Hi/Mi/Lo/ULo	dB(A)	45.5/42.5/39.5/27	50/47.5/44.5/39	51/48.5/46.5/37.5	53/50.5/48/40
Sound power level (I.U.)	Hi	dB(A)	57	63	65	65
Treated air volume	Hi/Mi/Lo	m³/h	1300/1140/1000	1700/1550/1380	1970/1780/1580	2000/1850/1650
Motor power (Output)		W	45	125	125	125
Outside diameter of condensate drain		mm	ø25	ø25	ø25	ø25
Specifications of outdoor units						
Dimensions	LxDxH	mm	890x342x673	946x410x810	952x415x1333	952x415x1333
Net weight		Kg	43.9	66.9	103.7	107
Sound pressure level / Sound power level (O.U.)		dB(A)	60 / 67	63 / 70	63.5 / 73	64 / 74
Treated air (Max)		m³/h	3500	4000	7500	7500
Motor power (Output)		n° x W	1 x 80	1 x 120	2 x 85	2 x 85
Accessories						
Decorative panel			TBP 711 ZA			
Dimensions	LxDxH	mm	950x950x55	950x950x55	950x950x55	950x950x55
Net weight		Kg	6	6	6	6
Optional parts						
Wi-Fi module			HKM-WIFI-TB			
Wired remote control and manual centralized control			DHW-WT-ZA			
Wi-Fi centralized control			XRV Mobile BMS			

1 EU Delegated Regulation No.626/2011 on the new labelling indicating the energy consumption of air conditioners. 2 EU Regulation No.206/2012 - - Value measured according to harmonised standard EN14825. 3 Value measured according to harmonised standard EN14511. 4 Refrigerant leakage contributes to climate change. When released into the atmosphere, refrigerants with a lower global warming potential (GWP) contribute less to global warming than those with a higher GWP. This appliance contains a refrigerant with a GWP of 675. If 1 kg of this refrigerant fluid were released into the atmosphere, therefore, the impact on global warming would be 675 times higher than 1 kg of CO2, over a period of 100 years. Under no circumstances should the user try to intervene on the refrigerant circuit or disassemble the product. Always contact qualified personnel if necessary.

DUCTED WITH MEDIUM STATIC PRESSURE

HUCU 351-531 ZAL

Wired remote control included

optional Wi-Fi

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

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

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

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

Compatible with systems AIRZONE

Indoor unit model			HUCU 351 ZAL	HUCU 531 ZAL
Outdoor unit model			HCKI 351 ZA	HCKI 531 ZA
Type			FULL DC-Inverter heat pump	
Control (included)			Wired remote	
Rated capacity (T=+35°C)	Cooling	kW	3.52 (0.53~3.99)	5.28 (2.55~5.86)
Rated absorbed power (T=+35°C)	Cooling	kW	1.05 (0.16~1.37)	1.53 (0.71~2.15)
Rated energy efficiency coefficient	Cooling	EER[3]	3.34	3.45
Seasonal energy efficiency class	Cooling	626/2011[1]	A++	A++
Seasonal energy efficiency index	Cooling	SEER[2]	6.30	6.50
Annual energy consumption	Cooling	kWh/a	194	291
Theoretical load (Pdesignc)	Cooling	kW	3.50	5.40
Rated capacity (T=+7°C)	Heating	kW	3.81 (1.00~4.39)	5.57 (2.20~6.15)
Rated absorbed power (T=+7°C)	Heating	kW	1.04 (0.30~1.39)	1.51 (0.74~1.76)
Rated energy performance coefficient	Heating	COP[3]	3.67	3.69
Energy efficiency class (average season)	Heating	626/2011[1]	A+	A+
Seasonal energy efficiency class index (average season)	Heating	SCOP[2]	4.00	4.00
Annual energy consumption	Heating	kWh/a	945	1505
Theoretical load (Pdesignh) @-10° C	Heating	kW	2.70	4.30
Operating limits (outside temperature)	Cooling	°C	-15~50	
	Heating	°C	-15~24	
Electrical data				
Power supply	Outdoor unit	Ph-V-Hz	1-220~240V-50HZ	
Power cable		Type	3 x 2.5 mm²	3 x 4 mm²
Connection wires between I.U. and O.U.		no.	4	4
Rated absorbed current (min~max)	Cooling	A	4.80 (1.30~6.10)	7.10 (3.20~9.60)
	Heating	A	4.50 (1.50~6.20)	6.80 (3.30~7.70)
Maximum current		A	9.00	13.50
Maximum absorbed power		kW	1.85	2.95
Refrigerant circuit				
Refrigerant (GWP)[4]			R32 (675)	
Quantity refrigerant pre-load		Kg	0.72	1.15
Tons of CO2 equivalent		t	0.486	0.776
Diameter of refrigerant piping on liquid/gas		mm (inches)	ø6.35(1/4") - ø9.52(3/8")	ø6.35(1/4") - ø12.74(1/2")
Max. splitting length		m	25	30
Max height difference I.U./O.U.		m	10	20
Splitting length without additional load		m	5	5
Additional load		g/m	12	12
Indoor unit specifications				
Dimensions	LxDxH	mm	700x506x200	880x674x210
Net weight		Kg	17.8	24.4
Sound pressure level (I.U.)	Hi/Mi/Lo/ULo	dB(A)	34.5/30.5/29/23	41/38/34/26
Sound power level (I.U.)	Hi	dB(A)	57	58
Treated air volume	Hi/Mi/Lo	m³/h	600/480/300	911/706.3/515.2
Fan static pressure	Std/Max	Pa	25/60	25/100
Motor power (Output)		W	55	160
Outside diameter of condensate drain		mm	ø25	ø25
Specifications of outdoor units				
Dimensions	LxDxH	mm	765x303x555	805x330x554
Net weight		Kg	26.6	32.5
Sound pressure level / Sound power level (O.U.)		dB(A)	53.6 / 61	56 / 65
Treated air (Max)		m³/h	2200	2100
Motor power (Output)		n° x W	1 x 34	1 x 34
Optional parts				
Manual centralized control			YES	
Wi-Fi centralized control			XRV Mobile BMS	

1 EU Delegated Regulation No.626/2011 on the new labelling indicating the energy consumption of air conditioners. 2 EU Regulation No.206/2012 - - Value measured according to harmonised standard EN14825. 3 Value measured according to harmonised standard EN14511. 4 Refrigerant leakage contributes to climate change. When released into the atmosphere, refrigerants with a lower global warming potential (GWP) contribute less to global warming than those with a higher GWP. This appliance contains a refrigerant with a GWP of 675. If 1 kg of this refrigerant fluid were released into the atmosphere, therefore, the impact on global warming would be 675 times higher than 1 kg of CO2, over a period of 100 years. Under no circumstances should the user try to intervene on the refrigerant circuit or disassemble the product. Always contact qualified personnel if necessary.

DUCTED WITH MEDIUM STATIC PRESSURE

HUCI 711-1081-1401-1601 ZA

Wired remote control included

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

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

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

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

Compatible with systems AIRZONE

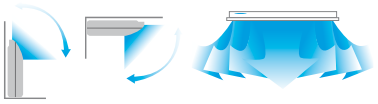
Wi-Fi optional

Indoor unit model			HUCI 711 ZA	HUCI 1081 ZA	HUCI 1401 ZA	HUCI 1601 ZA
Outdoor unit model			HCKI 711 ZA	HCSI 1081 ZA	HCSI 1401 ZA	HCSI 1601 ZA
Type			FULL DC-Inverter heat pump			
Control (included)			Wired remote			
Rated capacity (T=+35°C)	Cooling	kW	7.03 (3.28~8.16)	10.55 (2.73~11.78)	14.07 (3.52~15.53)	15.24 (4.10~17.29)
Rated absorbed power (T=+35°C)		kW	2.19 (0.75~2.96)	4.00 (0.89~4.20)	4.80 (0.88~6.00)	5.25 (1.03~6.65)
Rated energy efficiency coefficient		EER[3]	3.21	2.64	2.93	2.90
Seasonal energy efficiency class		626/2011[1]	A++	A++	A++	A++
Seasonal energy efficiency index		SEER[2]	6.20	6.10	6.10	6.10
Annual energy consumption		kWh/a	401	608	803	878
Theoretical load (Pdesignc)		kW	7.10	10.60	14.00	15.30
Rated capacity (T=+7°C)	Heating	kW	7.62 (2.81~8.49)	11.72 (2.78~12.84)	16.12 (4.10~18.17)	18.17 (4.40~20.52)
Rated absorbed power (T=+7°C)		kW	1.90 (0.64~2.58)	3.25 (0.78~4.00)	4.50 (0.95~5.70)	5.15 (0.95~6.60)
Rated energy performance coefficient		COP[3]	4.01	3.61	3.58	3.53
Energy efficiency class (average season)		626/2011[1]	A+	A+	A+	A+
Seasonal energy efficiency class index (average season)		SCOP[2]	4.00	4.00	4.00	4.00
Annual energy consumption		kWh/a	1890	3080	4025	4375
Theoretical load (Pdesignh) @-10° C		kW	5.40	8.80	11.50	12.50
Operating limits (outside temperature)	Cooling	°C	-15~50			
	Heating	°C	-15~24			
Electrical data						
Power supply	Outdoor unit	Ph-V-Hz	1-220~240V-50HZ	3-380~415V-50HZ		
Power cable		Type	3 x 4 mm²	5 x 2.5 mm²	5 x 4 mm²	5 x 4 mm²
Connection wires between I.U. and O.U.		no.	4	4	4	4
Rated absorbed current (min~max)	Cooling	A	10.20 (4.20~13.20)	6.50 (1.40~6.70)	8.40 (1.90~10.40)	9.60 (3.10~11.50)
	Heating	A	9.20 (3.80~11.60)	5.30 (1.30~6.40)	8.00 (2.00~9.80)	9.50 (2.00~11.50)
Maximum current		A	19.00	10.00	13.00	14.00
Maximum absorbed power		kW	3.70	5.00	6.90	7.50
Refrigerant circuit						
Refrigerant (GWP)[4]			R32 (675)			
Quantity refrigerant pre-load		Kg	1.5	2.4	2.9	3
Tons of CO2 equivalent		t	1.013	1.620	1.958	2.025
Diameter of refrigerant piping on liquid/gas		mm (inches)	ø9.52(3/8") - ø15.88(5/8")			
Max. splitting length		m	50	75	75	75
Max height difference I.U./O.U.		m	25	30	30	30
Splitting length without additional load		m	5	5	5	5
Additional load		g/m	24	24	24	24
Indoor unit specifications						
Dimensions	LxDxH	mm	1100x774x249	1360x774x249	1200x874x300	1200x874x300
Net weight		Kg	32.3	40.5	47.4	47.6
Sound pressure level (I.U.)	Hi/Mi/Lo/ULo	dB(A)	42/40/37/27	49.5/48/46/42.5	50/49/47/42	52.5/49/47
Sound power level (I.U.)	Hi	dB(A)	61	61	66	66
Treated air volume	Hi/Mi/Lo	m³/h	1229/1035/825	2100/1800/1500	2400/2040/1680	2600/2210/1820
Fan static pressure	Std/Max	Pa	25/160	37/160	50/160	50/160
Motor power (Output)		W	160	300	560	560
Outside diameter of condensate drain		mm	ø25	ø25	ø25	ø25
Specifications of outdoor units						
Dimensions	LxDxH	mm	890x342x673	946x410x810	952x415x1333	952x415x1333
Net weight		Kg	43.9	66.9	103.7	107
Sound pressure level / Sound power level (O.U.)		dB(A)	60 / 67	63 / 70	63.5 / 73	64 / 74
Treated air (Max)		m³/h	3500	4000	7500	7500
Motor power (Output)		n°x W	1 x 80	1 x 120	2 x 85	2 x 85
Optional parts						
Manual centralized control			YES			
Wi-Fi centralized control			XRV Mobile BMS			

1 EU Delegated Regulation No.626/2011 on the new labelling indicating the energy consumption of air conditioners. 2 EU Regulation No.206/2012 - - Value measured according to harmonised standard EN14825. 3 Value measured according to harmonised standard EN14511. 4 Refrigerant leakage contributes to climate change. When released into the atmosphere, refrigerants with a lower global warming potential (GWP) contribute less to global warming than those with a higher GWP. This appliance contains a refrigerant with a GWP of 675. If 1 kg of this refrigerant fluid were released into the atmosphere, therefore, the impact on global warming would be 675 times higher than 1 kg of CO2, over a period of 100 years. Under no circumstances should the user try to intervene on the refrigerant circuit or disassemble the product. Always contact qualified personnel if necessary.

FLOOR/CEILING

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



Excellent installation flexibility

Wi-Fi optional

Remote control included as standard

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

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

Indoor unit model			HSFU 531 ZAL	HSFI 711 ZA1	HSFI 1081 ZA1	HSFI 1401 ZA1	HSFI 1601 ZA1
Outdoor unit model			HCKI 531 ZA	HCKI 711 ZA	HCSI 1081 ZA	HCSI 1401 ZA	HCSI 1601 ZA
Type			DC-Inverter heat pump				
Control (included)			Remote control				
Rated capacity (T=+35°C)		kW	5.28 (2.71~5.86)	7.03 (3.22~7.77)	10.55 (2.73~11.78)	14.07 (3.52~15.24)	15.83 (4.10~16.71)
Rated absorbed power (T=+35°C)		kW	1.45 (0.67~2.03)	2.30 (0.75~2.93)	4.00 (0.89~4.30)	5.00 (0.90~5.95)	5.65 (1.10~6.65)
Rated energy efficiency coefficient		EER[3]	3.64	3.06	2.64	2.81	2.80
Seasonal energy efficiency class	Cooling	626/2011[1]	A++	A++	A++	A++	A++
Seasonal energy efficiency index		SEER[2]	6.20	6.10	6.40	6.10	6.10
Annual energy consumption		kWh/a	305	413	574	803	916
Theoretical load (Pdesignc)		kW	5.40	7.20	10.50	14.00	15.50
Rated capacity (T=+7°C)		kW	5.57 (2.42~6.30)	7.62 (2.72~8.29)	11.72 (2.81~12.78)	16.12 (4.10~17.00)	18.17 (4.40~19.64)
Rated absorbed power (T=+7°C)		kW	1.50 (0.54~1.64)	2.05 (0.65~2.85)	3.35 (0.78~3.95)	5.10 (1.00~6.05)	6.05 (1.05~7.10)
Rated energy performance coefficient		COP[3]	3.71	3.72	3.50	3.16	3.00
Energy efficiency class (average season)	Heating	626/2011[1]	A+	A+	A+	A+	A+
Seasonal energy efficiency class index (average season)		SCOP[2]	4.00	4.00	4.10	4.00	4.00
Annual energy consumption		kWh/a	1400	1890	3150	4025	4165
Theoretical load (Pdesignh) @-10° C		kW	4.00	5.50	8.60	11.20	11.90
Operating limits (outside temperature)	Cooling	°C	-15~50				
	Heating	°C	-15~24				
Electrical data							
Power supply	Outdoor unit	Ph-V-Hz	1-220~240V-50HZ		3-380~415V-50HZ		
Power cable		Type	3 x 4 mm²	3 x 4 mm²	5 x 2.5 mm²	5 x 4 mm²	5 x 4 mm²
Connection wires between I.U. and O.U.		no.	4	4	4	4	4
Rated absorbed current (min~max)	Cooling	A	6.00 (3.20~9.00)	10.50 (3.90~13.10)	6.30 (1.40~6.80)	8.80 (1.90~10.30)	9.70 (3.20~11.50)
	Heating	A	6.60 (2.70~7.30)	9.50 (3.50~12.70)	5.40 (1.30~6.20)	8.90 (2.10~10.50)	10.50 (2.20~12.00)
Maximum current		A	13.50	19.00	10.00	13.00	14.00
Maximum absorbed power		kW	2.95	3.70	5.00	6.90	7.50
Refrigerant circuit							
Refrigerant (GWP)[4]			R32 (675)				
Quantity refrigerant pre-load		Kg	1.15	1.5	2.4	2.9	3
Tons of CO2 equivalent		t	0.776	1.013	1.620	1.958	2.025
Diameter of refrigerant piping on liquid/gas		mm (inches)	ø6.35(1/4") - ø12.74(1/2")		ø9.52(3/8") - ø15.88(5/8")		
Max. splitting length		m	30	50	75	75	75
Max height difference I.U./O.U.		m	20	25	30	30	30
Splitting length without additional load		m	5	5	5	5	5
Additional load		g/m	12	24	24	24	24
Specifications of outdoor units							
Dimensions	LxDxH	mm	1068x675x235	1068x675x235	1650x675x235	1650x675x235	1650x675x235
Net weight		Kg	28	28	41.5	41.7	42.3
Sound pressure level (I.U.)	Hi/Mi/Lo/ULo	dB(A)	43.5/41/36.5/24	49/46/43/32	51/47.5/44.5/39	53/50/45/36	54/50.5/46.5/38
Sound power level (I.U.)	Hi	dB(A)	57	55	64	67	67
Treated air volume	Hi/Mi/Lo	m³/h	880/760/650	1208/1066/853	2160/1844/1431	2329/1930/1417	2454/1834/1426
Motor power (Output)		n° x W	1 x 96	1 x 100	2 x 96	2 x 96	2 x 90
Outside diameter of condensate drain		mm	ø25	ø25	ø25	ø25	ø25
Specifications of outdoor units							
Dimensions	LxDxH	mm	805x330x554	890x342x673	946x410x810	952x415x1333	952x415x1333
Net weight		Kg	32.5	43.9	66.9	103.7	107
Sound pressure level / Sound power level (O.U.)		dB(A)	56 /65	60 / 67	63 / 70	63.5 / 73	64 / 74
Treated air (Max)		m³/h	2100	3500	4000	7500	7500
Motor power (Output)		n° x W	1 x 34	1 x 80	1 x 120	2 x 85	2 x 85
Optional parts							
Wired remote control and manual centralized control			DHW-WT-ZA				
Wi-Fi centralized control			XRV Mobile BMS				

1 EU Delegated Regulation No.626/2011 on the new labelling indicating the energy consumption of air conditioners. 2 EU Regulation No.206/2012 - - Value measured according to harmonised standard EN14825. 3 Value measured according to harmonised standard EN14511. 4 Refrigerant leakage contributes to climate change. When released into the atmosphere, refrigerants with a lower global warming potential (GWP) contribute less to global warming than those with a higher GWP. This appliance contains a refrigerant with a GWP of 675. If 1 kg of this refrigerant fluid were released into the atmosphere, therefore, the impact on global warming would be 675 times higher than 1 kg of CO2, over a period of 100 years. Under no circumstances should the user try to intervene on the refrigerant circuit or disassemble the product. Always contact qualified personnel if necessary.

TWIN COMBINATIONS

Indoor unit model			2 x HTBI 711 ZA
Outdoor unit model			HCSI 1401 ZA
Type			FULL DC-Inverter heat pump
Control (included)			Remote control
Rated capacity (T=+35°C)	Cooling	kW	14.07 (3.52~15.83)
Rated absorbed power (T=+35°C)		kW	4.65 (0.80~5.90)
Rated energy efficiency coefficient		EER[3]	3.03
Seasonal energy efficiency class		626/2011[1]	A++
Seasonal energy efficiency index		SEER[2]	6.10
Annual energy consumption		kWh/a	803
Theoretical load (Pdesignc)		kW	14.00
Rated capacity (T=+7°C)	Heating	kW	16.12 (4.10~17.29)
Rated absorbed power (T=+7°C)		kW	4.58 (0.90~5.50)
Rated energy performance coefficient		COP[3]	3.52
Energy efficiency class (average season)		626/2011[1]	A+
Seasonal energy efficiency class index (average season)		SCOP[2]	4.00
Annual energy consumption		kWh/a	3850
Theoretical load (Pdesignh) @-10° C		kW	11.00
Operating limits (outside temperature)	Cooling	°C	-15~50
	Heating	°C	-15~24
Electrical data			
Power supply	Outdoor unit	Ph-V-Hz	3-380~415V-50HZ
Power cable		Type	5 x 4 mm²
Connection wires between each I.U. and O.U.		no.	4
Rated absorbed current (min~max)	Cooling	A	8.10 (1.80~10.20)
	Heating	A	8.00 (1.90~9.50)
Maximum current		A	13.00
Maximum absorbed power		kW	6.90
Refrigerant circuit			
Refrigerant (GWP)[4]			R32 (675)
Quantity refrigerant pre-load		Kg	2.9
Tons of CO2 equivalent		t	1.958
Diameter of refrigerant piping on liquid/gas	Indoor unit	mm (inches)	ø9.52(3/8") - ø15.88(5/8")
	Outdoor unit		
Max. splitting length		m	75
Max height difference I.U./O.U.		m	30
Splitting length without additional load		m	5
Additional load		g/m	24

Indoor unit model			2 x HUCU 351 ZAL	2 x HUCU 531 ZAL	2 x HUCI 711 ZA
Outdoor unit model			HCKI 711 ZA	HCSI 1081 ZA	HCSI 1401 ZA
Type			FULL DC-Inverter heat pump		
Control (included)			Wired remote		
Rated capacity (T=+35°C)	Cooling	kW	7.03 (3.28~8.16)	10.55 (2.73~11.78)	14.07 (3.52~15.53)
Rated absorbed power (T=+35°C)		kW	2.19 (0.75~2.96)	4.00 (0.89~4.20)	4.80 (0.88~6.00)
Rated energy efficiency coefficient		EER[3]	3.21	2.64	2.93
Seasonal energy efficiency class		626/2011[1]	A++	A++	A++
Seasonal energy efficiency index		SEER[2]	6.20	6.10	6.10
Annual energy consumption		kWh/a	401	608	803
Theoretical load (Pdesignc)		kW	7.10	10.60	14.00
Rated capacity (T=+7°C)	Heating	kW	7.62 (2.81~8.49)	11.72 (2.78~12.84)	16.12 (4.10~18.17)
Rated absorbed power (T=+7°C)		kW	1.90 (0.64~2.58)	3.25 (0.78~4.00)	4.50 (0.95~5.70)
Rated energy performance coefficient		COP[3]	4.01	3.61	3.58
Energy efficiency class (average season)		626/2011[1]	A+	A+	A+
Seasonal energy efficiency class index (average season)		SCOP[2]	4.00	4.00	4.00
Annual energy consumption		kWh/a	1890	3080	4025
Theoretical load (Pdesignh) @-10° C		kW	5.40	8.80	11.50
Operating limits (outside temperature)	Cooling	°C	-15~50		
	Heating	°C	-15~24		
Electrical data					
Power supply	Outdoor unit	Ph-V-Hz	1-220~240V-50HZ	3-380~415V-50HZ	
Power cable		Type	3 x 4 mm²	5 x 2.5 mm²	5 x 4 mm²
Connection wires between each I.U. and O.U.		no.	4	4	4
Rated absorbed current (min~max)	Cooling	A	10.20 (4.20~13.20)	6.50 (1.40~6.70)	8.40 (1.90~10.40)
	Heating	A	9.20 (3.80~11.60)	5.30 (1.30~6.40)	8.00 (2.00~9.80)
Maximum current		A	19.00	10.00	13.00
Maximum absorbed power		kW	3.70	5.00	6.90
Refrigerant circuit					
Refrigerant (GWP)[4]			R32 (675)	R32 (675)	R32 (675)
Quantity refrigerant pre-load		Kg	1.5	2.4	2.9
Tons of CO2 equivalent		t	1.013	1.620	1.958
Diameter of refrigerant piping on liquid/gas	Indoor unit	mm (inches)	ø6.35(1/4") - ø9.52(3/8")	ø6.35(1/4") - ø12.74(1/2")	ø9.52(3/8") - ø15.88(5/8")
	Outdoor unit		ø9.52(3/8") - ø15.88(5/8")	ø9.52(3/8") - ø15.88(5/8")	
Max. splitting length		m	50	75	75
Max height difference I.U./O.U.		m	25	30	30
Splitting length without additional load		m	5	5	5
Additional load		g/m	24	24	24

TWIN COMBINATIONS

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

For the specifications of the units, the connectable accessories and the optional parts, refer to the tables of the single models.
1 EU Delegated Regulation No.626/2011 on the new labelling indicating the energy consumption of air conditioners. 2 EU Regulation No.206/2012 - - Value measured according to harmonised standard EN14825. 3 Value measured according to harmonised standard EN14511. 4 Refrigerant leakage contributes to climate change. When released into the atmosphere, refrigerants with a lower global warming potential (GWP) contribute less to global warming than those with a higher GWP. This appliance contains a refrigerant with a GWP of 675. If 1 kg of this refrigerant was released into the atmosphere, then the impact on global warming would be 675 times higher than 1 kg of CO2, for a period of 100 years. In no case should the user try to intervene on the refrigerant circuit or to disassemble the product. Always contact qualified personnel if necessary.

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

R32 MULTISPLIT

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

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

OPERATING RANGE

-15° C / 50° C
in cooling

-15° C / 24° C
in heating

INSTALLATION FLEXIBILITY

Extensive splitting lengths.

HCKU 471-531 Z2

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

HCKU 601-761 Z3

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

HCKU 810-1060 Z4

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

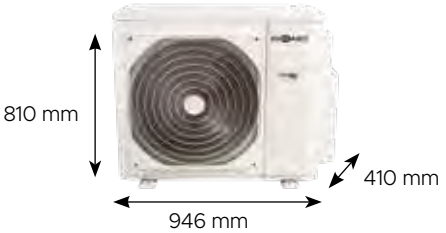
HIGHLY COMPACT

Highly compact and easy to install.

HCKU 471-531 Z2

HCKU 601-761 Z3

HCKU 810-1060 Z4



R32 MULTISPLIT

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

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

R32 MULTISPLIT

Outdoor unit - Up to 4 connectable indoor units

HCKU 471 Z2
HCKU 531 Z2

HCKU 601 Z3
HCKU 761 Z3

HCKU 810 Z4
HCKU 1060 Z4

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

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

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

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

Model			HCKU 471 Z2	HCKU 531 Z2	HCKU 601 Z3	HCKU 761 Z3	HCKU 810 Z4	HCKU 1060 Z4
Type			Outdoor DC-Inverter heat pump unit					
Connectable indoor units (min - max)		no.	1 - 2	1 - 2	2 - 3	2 - 3	2 - 4	2 - 4
Rated capacity (T=+35°C)	Cooling	kW	4.10 (1.47~4.98)	5.28 (2.29~5.72)	6.15 (1.99~6.59)	7.91 (3.18~8.21)	8.21 (2.05~9.85)	10.55 (2.05~12.66)
Rated absorbed power (T=+35°C)	Cooling	kW	1.27 (0.12~1.67)	1.635 (0.69~2.00)	1.905 (0.18~2.20)	2.45 (0.29~3.10)	2.54 (0.89~3.18)	3.27 (1.14~4.09)
Rated energy efficiency coefficient	Cooling	EER[3]	3.23	3.23	3.23	3.23	3.23	3.23
Seasonal energy efficiency class	Cooling	626/2011[1]	A+	A++	A++	A++	A++	A++
Seasonal energy efficiency index	Cooling	SEER[2]	5.60	6.10	6.10	6.10	6.10	6.20
Annual energy consumption	Cooling	kWh/a	256	304	350	453	470	598
Theoretical load (Pdesignc)	Cooling	kW	4.10	5.30	6.10	7.90	8.20	10.60
Rated capacity (T=+7°C)	Heating	kW	4.40 (1.52~4.98)	5.57 (2.40~5.74)	6.45 (1.45~6.68)	8.21 (2.29~8.50)	8.79 (2.34~10.55)	10.84 (2.34~13.01)
Rated absorbed power (T=+7°C)	Heating	kW	1.185 (0.25~1.59)	1.50 (0.60~1.78)	1.738 (0.35~1.80)	2.21 (0.37~2.90)	2.20 (0.77~2.75)	2.76 (0.97~3.45)
Rated energy performance coefficient	Heating	COP[3]	3.71	3.71	3.71	3.71	4.00	3.93
Energy efficiency class (average season)	Heating	626/2011[1]	A	A	A+	A+	A	A
Seasonal energy efficiency class index (average season)	Heating	SCOP[2]	3.80	3.80	4.00	4.00	3.80	3.80
Annual energy consumption	Heating	kWh/a	1363	1768	1890	1960	2395	3316
Theoretical load (Pdesignh) @-10° C	Heating	kW	3.70	4.80	5.40	5.60	6.50	9.00
Operating limits (outside temperature)	Cooling	°C	-15~50					
	Heating	°C	-15~24					
Electrical data								
Power supply		Ph-V-Hz	1-220~240V-50HZ	1-220~240V-50HZ	1-220~240V-50HZ	1-220~240V-50HZ	1-220~240V-50HZ	1-220~240V-50HZ
Power cable		Type	3 x 2.5 mm^2	3 x 2.5 mm^2	3 x 4 mm^2	3 x 4 mm^2	3 x 4 mm^2	3 x 6 mm^2
Connection wires between each I.U. and O.U.		no.	4	4	4	4	4	4
Rated absorbed current (min~max)	Cooling	A	5.80 (1.10~7.40)	7.30 (3.20~9.00)	8.30 (1.80~10.00)	11.20 (2.00~13.50)	11.30 (3.90~14.10)	14.30 (5.10~18.20)
	Heating	A	5.40 (1.90~7.00)	6.60 (2.80~8.00)	7.60 (2.60~8.00)	10.10 (2.40~13.00)	9.80 (3.40~12.20)	12.10 (4.30~15.30)
Maximum current		A	12.00	13.00	17.00	18.00	19.00	21.50
Maximum absorbed power		kW	2.75	3.05	3.91	4.10	4.15	4.60
Refrigerant circuit								
Refrigerant (GWP)[4]			R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)	R32 (675)
Quantity refrigerant pre-load		Kg	1.1	1.25	1.5	1.85	2.1	2.1
Tons of CO2 equivalent		t	0.743	0.844	1.013	1.249	1.418	1.418
Diameter of refrigerant piping on liquid/gas		mm (inches)	2 x ø6.35(1/4")/ 2 x ø9.52(3/8")	2 x ø6.35(1/4")/ 2 x ø9.52(3/8")	3 x ø6.35(1/4")/ 3 x ø9.52(3/8")	3 x ø6.35(1/4")/ 3 x ø9.52(3/8")	4 x ø6.35(1/4")/ 3 x ø9.52(3/8") + 1 x ø12.74(1/2")	4 x ø6.35(1/4")/ 3 x ø9.52(3/8") + 1 x ø12.74(1/2")
Total splitting length		m	40	40	60	60	80	80
Max length of a single refrigeration line		m	25	25	30	30	35	35
Max height difference I.U./O.U.		m	15	15	15	15	15	15
Max height difference between I.U.		m	10	10	10	10	10	10
Splitting length without additional load		m	15	15	22.5	22.5	30	30
Additional load		g/m	12	12	12	12	12	12
Product specifications								
Dimensions	LxDxH	mm	805x330x554	805x330x554	890x342x673	890x342x673	946x410x810	946x410x810
Net weight		Kg	31.6	35	43.3	48	62.1	68.8
Sound pressure level		dB(A)	56	54	57.5	58	61.5	63
Sound power level		dB(A)	65	65	65	68	67	67
Treated air (Max)		m^3/h	2100	2100	3000	3000	3800	4000
Motor power (Output)		W	47	47	88	88	150	150

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

1 EU Delegated Regulation No.626/2011 on the new labelling indicating the energy consumption of air conditioners. 2 EU Regulation No.206/2012 - - Value measured according to harmonised standard EN14825. 3 Value measured according to harmonised standard EN14511. 4 Refrigerant leakage contributes to climate change. When released into the atmosphere, refrigerants with a lower global warming potential (GWP) contribute less to global warming than those with a higher GWP. This appliance contains a refrigerant with a GWP of 675. If 1 kg of this refrigerant fluid were released into the atmosphere, therefore, the impact on global warming would be 675 times higher than 1 kg of CO2, over a period of 100 years. Under no circumstances should the user try to intervene on the refrigerant circuit or disassemble the product. Always contact qualified personnel if necessary.

V-DESIGN PLUS DC INVERTER MULTISPLIT INDOOR UNITS

Wall HKEMM 262-352 ZAL Dark silver

Wi-Fi optional

Remote control included as standard

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

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

Automatic brightness adjustment

Model			HKEMM 262 ZAL	HKEMM 352 ZAL
Type			Indoor wall unit	
Control (included)			Remote control	
Rated capacity	Cooling	kW	2.60	3.50
	Heating	kW	2.90	3.80
Electrical data				
Power supply		Ph-V-Hz	-	-
Connection wires between I.U. and O.U.		no.	4	4
Refrigerant circuit				
Diameter of refrigerant piping on liquid/gas		mm (inches)	ø6.35(1/4") - ø9.52(3/8")	ø6.35(1/4") - ø9.52(3/8")
Product specifications				
Dimensions	LxDxH	mm	897x182x312	897x182x312
	Net weight	Kg	10.5	10.5
Sound pressure level	Hi/Mi/Lo	dB(A)	37.5/32/24	37.5/32/24
Sound power level	Hi	dB(A)	51	51
Treated air (Hi/Me/Lo)		m^3/h	558/478/384	558/478/384
Motor power (Output)		W	50	50
Optional parts				
Wi-Fi module			HKM-WiFi	
Wired remote control			NO	
Centralized control			NO	

INAZAMI DC INVERTER MULTISPLIT INDOOR UNITS

Wall HKEMM 266-356 ZAL

Wi-Fi optional

Remote control included as standard

"3D flow" air diffusion

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

Settable Silent function

Anti-freeze function 8° C

Model			HKEMM 266 ZAL	HKEMM 356 ZAL
Type			Indoor wall unit	
Control (included)			Remote control	
Rated capacity	Cooling	kW	2.60	3.50
	Heating	kW	2.80	3.80
Electrical data				
Power supply		Ph-V-Hz	-	-
Connection wires between I.U. and O.U.		no.	4	4
Refrigerant circuit				
Diameter of refrigerant piping on liquid/gas		mm (inches)	ø6.35(1/4") - ø9.52(3/8")	ø6.35(1/4") - ø9.52(3/8")
Product specifications				
Dimensions	LxDxH	mm	835x208x295	835x208x295
	Net weight	Kg	8.7	8.7
Sound pressure level	Hi/Mi/Lo	dB(A)	37/31/22	39/33/22
Sound power level	Hi	dB(A)	54	55
Treated air (Hi/Me/Lo)		m^3/h	510/360/300	520/370/310
Motor power (Output)		W	-	-
Optional parts				
Wi-Fi module			HKM-WiFi	
Wired remote control			NO	
Centralized control			NO	

ACTIVE LINE DC INVERTER MULTISPLIT INDOOR UNITS

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

Wi-Fi optional

Remote control included as standard

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

Model			HKEU 203 ZL	HKEU 263 ZAL	HKEU 353 ZAL-1	HKEU 533 ZAL	HKEU 713 ZAL
Type			**Indoor wall unit**				
Control (included)			Remote control				
Rated capacity	Cooling	kW	2.10	2.60	3.50	5.30	7.00
	Heating	kW	2.30	2.90	3.80	5.60	7.30
Electrical data							
Power supply		Ph-V-Hz	-	-	-	-	-
Connection wires between I.U. and O.U.		no.	4	4	4	4	4
Refrigerant circuit							
Diameter of refrigerant piping on liquid/gas		mm (inches)	ø6.35(1/4") - ø9.52(3/8")	ø6.35(1/4") - ø9.52(3/8")	ø6.35(1/4") - ø9.52(3/8")	ø6.35(1/4") - ø12.74(1/2")	ø9.52(3/8") - ø15.88(5/8")
Product specifications							
Dimensions	LxDxH	mm	805x194x285	805x194x285	805x194x285	957x213x302	1040x220x327
	Net weight	Kg	7.5	7.6	7.6	10	12.3
Sound pressure level	Hi/Mi/Lo/ULo	dB(A)	40/30/26/21	38.5/32/25	40.5/34.5/25	44/37/30/25	44.5/42/34.5/28
Sound power level	Hi	dB(A)	54	54	55	55	59
Treated air (Hi/Me/Lo)		m^3/h	520/460/340	466/360/325	540/430/314	840/680/540	980/817/662
Motor power (Output)		W	40	40	40	36	58
Optional parts							
Wi-Fi module			HKM-WiFi				
Wired remote control			NO				
Centralized control			NO				

MULTISPLIT INDOOR UNITS

Compact cassette 60x60 HTFU 351-531 ZAL

Wi-Fi optional

Remote control included as standard

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

Pre-set for external air inlet

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

Model			HTFU 351 ZAL	HTFU 531 ZAL
Type			**Indoor cassette unit**	
Control (included)			Remote control	
Rated capacity	Cooling	kW	3.50	5.30
	Heating	kW	4.10	5.40
Electrical data				
Power supply		Ph-V-Hz	-	-
Connection wires between I.U. and O.U.		no.	4	4
Refrigerant circuit				
Diameter of refrigerant piping on liquid/gas		mm (inches)	ø6.35(1/4") - ø9.52(3/8")	ø6.35(1/4") - ø12.74(1/2")
Product specifications				
Dimensions	LxDxH	mm	570x570x260	570x570x260
	Net weight	Kg	16.3	16.5
Sound pressure level	Hi/Mi/Lo/ULo	dB(A)	41/36/33/25.5	43/39.5/35.5/29
Sound power level	Hi	dB(A)	56	57
Treated air (Hi/Me/Lo)		m^3/h	620/510/420	720/620/500
Motor power (Output)		W	45	45
Accessories				
Decorative panel			TFP 200 ZA	
Optional parts				
Wired remote control			YES	
Manual centralized control			YES	
Wi-Fi centralized control			YES	

MULTISPLIT INDOOR UNITS

Medium static pressure ducted

HUCU 351-531 ZAL

Wi-Fi optional

Wired remote control included

Compatible with systems AIRZONE

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

Model			HUCU 351 ZAL	HUCU 531 ZAL
Type			**Indoor ducted unit**	
Control (included)			Wired remote	
Rated capacity	Cooling	kW	3.50	5.30
	Heating	kW	3.80	5.60
Electrical data				
Power supply		Ph-V-Hz	-	-
Connection wires between I.U. and O.U.		no.	4	4
Refrigerant circuit				
Diameter of refrigerant piping on liquid/gas		mm (inches)	ø6.35(1/4") - ø9.52(3/8")	ø6.35(1/4") - ø12.74(1/2")
Product specifications				
Dimensions	LxDxH	mm	700x506x200	880x674x210
	Net weight	Kg	17.8	24.4
Sound pressure level	Hi/Mi/Lo/ULo	dB(A)	34.5/30.5/29/23	41/38/34/26
Sound power level	Hi	dB(A)	57	58
Treated air (Hi/Me/Lo)		m^3/h	600/480/300	911/706.3/515.2
Fan static pressure	Std/Max	Pa	25/60	25/100
Motor power (Output)		W	130	90
Optional parts				
Wired remote control			YES	
Centralized control			YES	

MULTISPLIT INDOOR UNITS

Ceiling HSFU 531 ZAL

Wi-Fi optional

Remote control included as standard

Excellent installation flexibility

Turbo function, for heating and cooling rooms quickly

Model			HSFU 531 ZAL
Type			**Indoor ceiling unit**
Control (included)			Remote control
Rated capacity	Cooling	kW	5.30
	Heating	kW	5.60
Electrical data			
Power supply		Ph-V-Hz	-
Connection wires between I.U. and O.U.		no.	4
Refrigerant circuit			
Diameter of refrigerant piping on liquid/gas		mm (inches)	ø6.35(1/4") - ø12.74(1/2")
Product specifications			
Dimensions	LxDxH	mm	1068x675x235
	Net weight	Kg	28
Sound pressure level	Hi/Mi/Lo/ULo	dB(A)	43.5/41/36.5/24
Sound power level	Hi	dB(A)	57
Treated air(Hi/Me/Lo)		m^3/h	958/839/723
Motor power (Output)		W	96
Optional parts			
Wired remote control			YES
Manual centralized control			YES
Wi-Fi centralized control			YES

TECHNICAL APPENDIX

COMBINATIONS

HCKU 471 Z2 Cooling

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

HCKU 471 Z2 Heating

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

HCKU 531 Z2 Cooling

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

HCKU 531 Z2 Heating

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

COMBINATIONS

HCKU 601 Z3 Cooling

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

HCKU 601 Z3 Heating

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

COMBINATIONS

HCKU 761 Z3 Cooling

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

HCKU 761 Z3 Heating

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

COMBINATIONS

HCKU 810 Z4 Cooling

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

COMBINATIONS

HCKU 810 Z4 Heating

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

COMBINATIONS

HCKU 1060 Z4 Cooling

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

COMBINATIONS

HCKU 1060 Z4 Cooling

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

HCKU 1060 Z4 Heating

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

COMBINATIONS

HCKU 1060 Z4 Heating

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

PROJECT VRF R410A FULL DC INVERTER

PROJECT VRF R410A FULL DC INVERTER, EFFICIENCY AND EASE OF INSTALLATION

Strengthened by its continued commitment to technological research and its long experience in the heating/cooling systems market in Italy and Europe, Hokkaido is proud to announce the **PROJECT VRF R410A** line, a strong candidate for a leading product in the VRF systems market.

Efficiency, reliability and **application flexibility** are the quality solutions that the XRV Systems offer for the various applicative requirements of installers, designers and final customers.

XRV MULTI SYSTEM

Outdoor heat pump units

XRV PLUS MINI

SINGLE PHASE

2.5HP
single phase
HCNU 806 XRV

3.2HP	4.5HP
single phase	single phase
HCNU 1056 XRV	**HCNU 1206 XRV**

5HP	6HP
single phase	single phase
HCNU 1406 XRV	**HCNU 1606 XRV**

THREE-PHASE

7HP	8HP	9HP
three-phase	three-phase	three-phase
HCYU 2006 XRV	**HCYU 2246 XRV**	**HCYU 2606 XRV**

10HP	12HP
three-phase	three-phase
HCYU 2806 XRV	**HCYU 3356 XRV**

Performance and consumption are based on the following test conditions:
Cooling: O.T. 35° C DB, 24° C WB - I.T. 27° C DB, 19° C WB (ISO 5151 Standard).
Heating: O.T. 7° C DB, 6° C WB - I.T. 20° C DB, 15° C WB (ISO 5151 Standard).

XRV MULTI SYSTEM

Individual outdoor heat pump units

XRV INDIVIDUAL

THREE-PHASE

14HP	16HP	18HP
three-phase	three-phase	three-phase
HCYUM 4006 XRV-I	**HCYUM 4506 XRV-I**	**HCYUM 5006 XRV-I**

20HP	22HP
three-phase	three-phase
HCYUM 5606 XRV-I	**HCYUM 6156 XRV-I**

24HP	26HP	28HP
three-phase	three-phase	three-phase
HCYUM 6706 XRV-I	**HCYUM 7306 XRV-I**	**HCYUM 7856 XRV-I**

30HP	32HP
three-phase	three-phase
HCYUM 8506 XRV-I	**HCYUM 9006 XRV-I**

Performance and consumption are based on the following test conditions:
Cooling: O.T. 35° C DB, 24° C WB - I.T. 27° C DB, 19° C WB (ISO 5151 Standard).
Heating: O.T. 7° C DB, 6° C WB - I.T. 20° C DB, 15° C WB (ISO 5151 Standard).

XRV MULTI SYSTEM

Outdoor heat recovery units - 3 pipes

XRV PLUS HEAT RECOVERY

8~12HP 14~18HP

THREE-PHASE

8HP	10HP	12HP	14HP
three-phase	three-phase	three-phase	three-phase
HCSRU 2526 XRV-R	**HCSRU 2806 XRV-R**	**HCSRU 3356 XRV-R**	**HCSRU 4006 XRV-R**

16HP	18HP
three-phase	three-phase
HCSRU 4506 XRV-R	**HCSRU 5006 XRV-R**

COMBINATIONS				
20HP	**22HP**	**24HP**	**26HP**	**28HP**
10+10	10+12	10+14	12+14	12+16
HCSRU 2806 XRV-R HCSRU 2806 XRV-R	HCSRU 2806 XRV-R HCSRU 3356 XRV-R	HCSRU 2806 XRV-R HCSRU 4006 XRV-R	HCSRU 3356 XRV-R HCSRU 4006 XRV-R	HCSRU 3356 XRV-R HCSRU 4506 XRV-R
30HP	**32HP**	**34HP**	**36HP**	**38HP**
12+18	16+16	16+18	18+18	12+12+14
HCSRU 3356 XRV-R HCSRU 5006 XRV-R	HCSRU 4506 XRV-R HCSRU 4506 XRV-R	HCSRU 4506 XRV-R HCSRU 5006 XRV-R	HCSRU 5006 XRV-R HCSRU 5006 XRV-R	HCSRU 3356 XRV-R HCSRU 3356 XRV-R HCSRU 4006 XRV-R
40HP	**42HP**	**44HP**	**46HP**	**48HP**
12+12+16	12+14+16	12+16+16	14+16+16	16+16+16
HCSRU 3356 XRV-R HCSRU 3356 XRV-R HCSRU 4506 XRV-R	HCSRU 3356 XRV-R HCSRU 4006 XRV-R HCSRU 4506 XRV-R	HCSRU 3356 XRV-R HCSRU 4506 XRV-R HCSRU 4506 XRV-R	HCSRU 4006 XRV-R HCSRU 4506 XRV-R HCSRU 4506 XRV-R	HCSRU 4506 XRV-R HCSRU 4506 XRV-R HCSRU 4506 XRV-R
50HP	**52HP**	**54HP**		
16+16+18	16+18+18	18+18+18		
HCSRU 4506 XRV-R HCSRU 4506 XRV-R HCSRU 5006 XRV-R	HCSRU 4506 XRV-R HCSRU 5006 XRV-R HCSRU 5006 XRV-R	HCSRU 5006 XRV-R HCSRU 5006 XRV-R HCSRU 5006 XRV-R		

HYDROMODULE

14 kW
single phase
HHNMS 140 XRV-R

FLOW DIVIDERS

HPFD 1-8 XRV-R	HPFD 4-20 XRV-R	HPFD 6-30 XRV-R
		
HPFD 8-40 XRV-R	**HPFD 10-47 XRV-R**	**HPFD 12-47 XRV-R**
		

XRV MULTI SYSTEM

XRV PLUS MINI

XRV INDIVIDUAL

XRV PLUS HEAT RECOVERY

FULL DC INVERTER TECHNOLOGY FOR ALL OUTDOOR UNITS RANGE

Full DC Inverter technology has always characterised the Hokkaido product range on the market of VRF systems, in heat pump and in heat recovery. These ranges are all equipped with a DC Inverter compressor and DC Inverter fan motor: outstanding results in terms of energy efficiency and reduced operating costs, as well as CO2 emissions.

HERE'S WHAT MAKES THE HOKKAIDO RANGE "FULL"

Energy savings and comfort

Full DC Inverter technology (DC Inverter compressor and DC Inverter fan motor) applied to the XRV system outdoor units ensures high EER and COP values not only at full load, but also at partial load. This guarantees energy savings and high comfort in a wide outside temperature operating range.

HIGH EFFICIENCY DC INVERTER COMPRESSOR

Thanks to the use of DC Inverter compressors, which allow for quick and continuous changes of the amount of compressed refrigerant, the XRV system outdoor units are characterised by:

- rapid system start-up;
- quick response to changes in cooling or heating demand by users;
- reduced start&stop cycles.

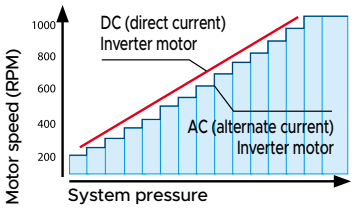
The result is an efficient system that is highly reliable and durable.

DC FAN MOTOR

The use of the DC Inverter fan motor ensures energy savings during partial loads, as it adjusts the fan speed and helps make the unit more silent. The fan and outlet grille design guarantees increased air flow, thus resulting in low noise.

DC Inverter compressor

DC Inverter fan motor



XRV PLUS MINI

XRV PLUS MINI

Heat pump

HCNU 806 XRV

HCNU 1056 XRV
HCNU 1206 XRV

HCNU 1406 XRV
HCNU 1606 XRV

Splitting and height difference lengths

Model	HCNU 806 XRV	HCNU 1056 XRV	HCNU 1206 XRV	HCNU 1406 XRV	HCNU 1606 XRV
Maximum distance between O.U. and the farthest I.U.	40 m	50 m	50 m	70 m	70 m
Maximum distance from the first branch pipe to the farthest I.U.	20 m	20 m	20 m	20 m	20 m
Maximum height difference between O.U. (up high) and I.U.	10 m	20 m	20 m	30 m	30 m
Maximum height difference between O.U. (down low) and I.U.	10 m	20 m	20 m	20 m	20 m
Maximum height difference between I.U.	8 m	8 m	8 m	8 m	8 m
Maximum distance between I.U. and branch pipe	15 m	15 m	15 m	15 m	15 m
Maximum length of the pipes	**50 m**	**65 m**	**65 m**	**100 m**	**100 m**

All units are equipped with a high efficiency Full DC Inverter compressor.

Slim, flexible design.

Fan with DC Inverter motor:

- broader fan speed modulations;
- less noise.

The efficient fan design and the sunburst grill allow an high airflow rate with low noise.

Broad operating range:

- cooling -5° C ~ +55° C;
- heating -15° C ~ +27° C.

Auto-addressing of indoor units.

Model			HCNU 806 XRV	HCNU 1056 XRV	HCNU 1206 XRV	HCNU 1406 XRV	HCNU 1606 XRV
Power		**HP**	**2.5**	**3.2**	**4.5**	**5**	**6**
Rated capacity[1]	Cooling	kW	7.20	9.00	12.20	14.00	15.50
Rated absorbed power		kW	2.18	2.64	4.32	4.56	5.35
Energy efficiency coefficient (rated)		EER	3.30	3.41	2.83	3.07	2.90
Rated capacity[2]	Heating	kW	7.20	9.00	14.00	16.00	18.00
Rated absorbed power		kW	1.82	2.12	3.17	4.08	5.71
Energy performance coefficient (rated)		COP	3.95	4.29	4.40	3.92	3.20
Electrical data							
Power supply		Ph-V-Hz	1-220~240V-50Hz				
Maximum current		A	21.25	28.80	35.00	40.00	40.00
Refrigerant circuit/features							
Refrigerante (GWP)			R 410A (2088)				
Quantity refrigerant pre-load (tons of CO2 equivalent)		Kg	2.2 (4.594)	2.5 (5.220)	3 (6.264)	3.4 (7.099)	3.8 (7.934)
DC Inverter compressor		no. / type	1/ Rotary DC Inverter				
Diameter refrigerant pipes	Liquid	Ø mm (inch)	9.53 (3/8")	9.53 (3/8")	9.53 (3/8")	9.53 (3/8")	9.53 (3/8")
	Gas	Ø mm (inch)	15.9 (5/8")	15.9 (5/8")	15.9 (5/8")	15.9 (5/8")	19.1 (3/4")
Product Specifications							
Dimensions	LxHxD	mm	982x712x440	950x840x426		1040x865x523	
Net weight		Kg	55	72.5	84	91.4	95.4
Sound pressure level at 1 m	max	dB(A)	54	54	56	56	56
Sound power level	max	dB(A)	65	68	70	71	71
Fan air flow	max	m³/h	3700	5200	5000	5400	5200
Operating limits (outside temperature)	Cooling	°C	-5~55				
	Heating	°C	-15~27				
Max. connectable I.U.		**no.**	**4**	**6**	**7**	**8**	**9**
Capacity of connectable indoor units		%	50 - 130	50 - 130	50 - 130	50 - 130	50 - 130

(1) Cooling capacity tested in accordance with ISO 5151 Standards; outside temperature 35° C DB, 24° C WB and inside temperature 27° C DB, 19° C WB.
(2) Heating capacity tested in accordance with ISO 5151 Standards; outside temperature 7° C DB, 6° C WB and inside temperature 20° C DB, 15° C WB.

XRV PLUS MINI

Heat pump

HCYU 2006 XRV
HCYU 2246 XRV
HCYU 2606 XRV
HCYU 2806 XRV
HCYU 3356 XRV

Splitting and height difference lengths

Model	HCYU 2006 XRV	HCYU 2246 XRV	HCYU 2606 XRV	HCYU 2806 XRV	HCYU 3356 XRV
Maximum distance between O.U. and the farthest I.U.	110 m	110 m	110 m	110 m	110 m
Maximum distance from the first branch pipe to the farthest I.U.	40 m	40 m	40 m	40 m	40 m
Maximum height difference between O.U. (up high) and I.U.	50 m	50 m	50 m	50 m	50 m
Maximum height difference between O.U. (down low) and I.U.	40 m	40 m	40 m	40 m	40 m
Maximum height difference between I.U.	15 m	15 m	15 m	15 m	15 m
Maximum length of the pipes	**150 m**	**150 m**	**150 m**	**150 m**	**150 m**

All units are equipped with a high efficiency Full DC Inverter compressor.
DC Inverter motor fan:
- broader fan speed modulations;
- less noise.

Up to 20 indoor units connected to one compact outdoor unit.
Self-diagnosis function for main system problems.

Broad operating range:
- cooling -5° C ~ +48° C;
- heating -20° C ~ +24° C.

Auto-addressing of indoor units.

Model			HCYU 2006 XRV	HCYU 2246 XRV	HCYU 2606 XRV	HCYU 2806 XRV	HCYU 3356 XRV
Power		HP	7	8	9	10	12
Rated capacity[1]	Cooling	kW	20.00	22.40	26.00	28.00	33.50
Rated absorbed power		kW	5.28	6.77	10.04	12.02	15.30
Energy efficiency coefficient (rated)		EER	3.79	3.31	2.59	2.33	2.19
Rated capacity[2]	Heating	kW	20.00	22.40	26.00	28.00	33.50
Rated absorbed power		kW	4.43	5.42	6.86	7.55	10.15
Energy performance coefficient (rated)		COP	4.51	4.13	3.79	3.71	3.30
Electrical data							
Alimentazione elettrica		Ph-V-Hz	3-380~415V50Hz				
Corrente massima		A	19.00	19.00	20.50	21.00	26.40
Refrigerant circuit/features							
Refrigerant (GWP)			R410A (2088)				
Quantity refrigerant pre-load (tons of CO2 equivalent)		Kg	6.5 (13.572)	6.5 (13.572)	6.5 (13.572)	6.5 (13.572)	8 (16.704)
DC Inverter compressor		no. / type	1/ Rotary DC Inverter			1/ Rotary DC Inverter	
Pipe diameter	Liquid	Ø mm (inch)	9.53 (3/8")		9.53 (3/8")		12.7 (1/2")
	Gas	Ø mm (inch)	19.1 (3/4")		22.2 (7/8")		25.4 (1")
Product Specifications							
Dimensions	LxHxD	mm	1120x1558x528				
Net weight		Kg	143		144		157
Sound pressure level at 1 m	max	dB(A)	58		59	60	61
Sound power level	max	dB(A)	78		78		81
Fan air flow	max	m³/h	9000		10000	11000	11300
Operating limits (outside temperature)	Cooling	°C	-5~48				
	Heating	°C	-20~24				
Max. connectable I.U.		**no.**	**11**	**13**	**15**	**16**	**20**
Capacity of connected indoor units		%	50 - 130				

(1) Cooling capacity tested in accordance with ISO 5151 Standards; outside temperature 35° C DB, 24° C WB and inside temperature 27° C DB, 19° C WB.
(2) Heating capacity tested in accordance with ISO 5151 Standards; outside temperature 7° C DB, 6° C WB and inside temperature 20° C DB, 15° C WB.

XRV INDIVIDUAL

XRV INDIVIDUAL

Heat pump

HCYUM 4006 XRV-I
HCYUM 4506 XRV-I
HCYUM 5006 XRV-I
HCYUM 5606 XRV-I
HCYUM 6156 XRV-I

Splitting and height difference lengths

Model	HCYUM 4006 XRV-I	HCYUM 4506 XRV-I	HCYUM 5006 XRV-I	HCYUM 5606 XRV-I	HCYUM 6156 XRV-I
Maximum distance between O.U. and the farthest I.U.	200 m	200 m	200 m	200 m	200 m
Maximum distance from the first branch pipe to the farthest I.U.	40 m	40 m	40 m	40 m	40 m
Maximum height difference between O.U. (up high) and I.U.	90 m	90 m	90 m	90 m	90 m
Maximum height difference between O.U. (down low) and I.U.	110 m	110 m	110 m	110 m	110 m
Maximum height difference between I.U.	30 m	30 m	30 m	30 m	30 m
Maximum length of the pipes	**1000 m**	**1000 m**	**1000 m**	**1000 m**	**1000 m**

All units are equipped with a high efficiency Full DC Inverter compressor.

DC Inverter motor fan:

- broader fan speed modulations;
- less noise.

Self-diagnosis function for main system problems.

Individual modules from 40 to 90 kW for simplified installation without the need for modular units.

Elegant, compact design.

Broad operating range:

- cooling -5° C ~ +48° C;
- heating -25° C ~ +24° C.

Auto-addressing of indoor units.

Maximum number of connectable indoor units is 36.

Model			HCYUM 4006 XRV-I	HCYUM 4506 XRV-I	HCYUM 5006 XRV-I	HCYUM 5606 XRV-I	HCYUM 6156 XRV-I
Power		HP	14	16	18	20	22
Rated capacity[1]	Cooling	kW	40.00	45.00	50.00	56.00	61.50
Rated absorbed power		kW	11.00	12.90	14.70	16.00	20.20
Energy efficiency coefficient (rated)		EER	3.65	3.50	3.40	3.50	3.05
Rated capacity[2]	Heating	kW	40.00	45.00	50.00	56.00	61.50
Rated absorbed power		kW	9.30	10.70	12.20	13.80	17.60
Energy performance coefficient (rated)		COP	4.30	4.20	4.10	4.05	3.50
Electrical data							
Power supply		Ph-V-Hz	3-380~415V50Hz				
Maximum current		A	33.10	33.10	34.80	45.90	47.90
Refrigerant circuit / features							
Refrigerant (GWP)			R 410A (2088)				
Quantity refrigerant[3] pre-load (tons of CO2 equivalent)		Kg	11.8 (24.638)	11.8 (24.638)	11.8 (24.638)	11.8 (24.638)	11.8 (24.638)
DC Inverter compressor		no. / type	1 / Scroll DC Inverter			2 / Scroll DC Inverter	
Pipe diameter	Liquid	Ø mm (inch)	15.9 (5/8")		19.1 (3/4")		
	Gas	Ø mm (inch)	31.8 (1"1/4)				
Product Specifications							
Dimensions	LxHxD	mm	1340x1635x850			1340x1635x825	
Net weight		Kg	277	277	295	344	344
Sound pressure level at 1 m	max	dB(A)	62	65		66	
Sound power level	max	dB(A)	85	88		88	
Fan air flow	max	m³/h	13000	13000	13000	17000	17000
Operating limits (outside temperature)	Cooling	°C	-5~48				
	Heating	°C	-25~24				
Max. connectable I.U.		**no.**	**23**	**26**	**29**	**33**	**36**
Capacity of connectable indoor units		%	50 - 130				

(1) Cooling capacity tested in accordance with ISO 5151 Standards; outside temperature 35° C DB, 24° C WB and inside temperature 27° C DB, 19° C WB.
(2) Heating capacity tested in accordance with ISO 5151 Standards; outside temperature 7° C DB, 6° C WB and inside temperature 20° C DB, 15° C WB.
(3) To calculate the additional refrigerant charge, refer to the labels positioned inside and outside the unit.

XRV INDIVIDUAL

Heat pump

HCYUM 6706 XRV-I
HCYUM 7306 XRV-I
HCYUM 7856 XRV-I

HCYUM 8506 XRV-I
HCYUM 9006 XRV-I

Splitting and height difference lengths

Model	HCYUM 6706 XRV-I	HCYUM 7306 XRV-I	HCYUM 7856 XRV-I	HCYUM 8506 XRV-I	HCYUM 9006 XRV-I
Maximum distance between O.U. and the farthest I.U.	200 m	200 m	200 m	200 m	200 m
Maximum distance from the first branch pipe to the farthest I.U.	40 m	40 m	40 m	40 m	40 m
Maximum height difference between O.U. (up high) and I.U.	90 m	90 m	90 m	90 m	90 m
Maximum height difference between O.U. (down low) and I.U.	110 m	110 m	110 m	110 m	110 m
Maximum height difference between I.U.	30 m	30 m	30 m	30 m	30 m
Maximum length of the pipes	**1000 m**	**1000 m**	**1000 m**	**1000 m**	**1000 m**

All units are equipped with a high efficiency Full DC Inverter compressor.

DC Inverter motor fan:

- broader fan speed modulations;
- less noise.

Self-diagnosis function for main system problems.

Individual modules from 40 to 90 kW for simplified installation without the need for modular units.

Elegant, compact design.

Broad operating range:

- cooling -5° C ~ +48° C;
- heating -25° C ~ +24° C.

Auto-addressing of indoor units.

Maximum number of connectable indoor units is 53.

Model			HCYUM 6706 XRV-I	HCYUM 7306 XRV-I	HCYUM 7856 XRV-I	HCYUM 8506 XRV-I	HCYUM 9006 XRV-I
Power		HP	24	26	28	30	32
Rated capacity[1]	Cooling	kW	67.00	73.00	78.50	85.00	90.00
Rated absorbed power		kW	21.60	21.60	24.90	28.30	32.10
Energy efficiency coefficient (rated)		EER	3.10	3.40	3.15	3.00	2.80
Rated capacity[2]	Heating	kW	67.00	73.00	78.50	85.00	90.00
Rated absorbed power		kW	16.80	18.10	21.80	24.30	26.50
Energy performance coefficient (rated)		COP	4.00	4.05	3.60	3.50	3.40
Electrical data							
Power supply		Ph-V-Hz	3-380~415V50Hz				
Maximum current		A	54.50	52.90	58.70	64.90	66.90
Refrigerant circuit / features							
Refrigerant (GWP)			R 410A (2088)				
Quantity refrigerant[3] pre-load (tons of CO2 equivalent)		Kg	11.8 (24.638)	11.8 (24.638)	11.8 (24.638)	11.8 (24.638)	11.8 (24.638)
DC Inverter compressor		no. / type	2 / Scroll DC Inverter				
Pipe diameter	Liquid	Ø mm (inch)	19.1 (3/4")	22.2 (7/8")			
	Gas	Ø mm (inch)	31.8 (1"1/4)			38.1 (1"1/2)	
Product specifications							
Dimensions	LxHxD	mm	1730x1830x850				
Net weight		Kg	407	429	429	475	475
Sound pressure level at 1 m	max	dB(A)	67	68			
Sound power level	max	dB(A)	89	90			
Fan air flow	max	m³/h	25000	25000	25000	24000	24000
Operating limits (outside temperature)	Cooling	°C	-5~48				
	Heating	°C	-25~24				
Max. connectable I.U.		**no.**	**39**	**43**	**46**	**50**	**53**
Capacity of connectable indoor units		%	50 - 130				

(1) Cooling capacity tested in accordance with ISO 5151 Standards; outside temperature 35° C DB, 24° C WB and inside temperature 27° C DB, 19° C WB.
(2) Heating capacity tested in accordance with ISO 5151 Standards; outside temperature 7° C DB, 6° C WB and inside temperature 20° C DB, 15° C WB.
(3) To calculate the additional refrigerant charge, refer to the labels positioned inside and outside the unit.

XRV PLUS HEAT RECOVERY

XRV PLUS HEAT RECOVERY

Heat recovery - 3 pipes

FULL DC INVERTER
HCSRU 2526 XRV-R
HCSRU 2806 XRV-R
HCSRU 3356 XRV-R

FULL DC INVERTER
HCSRU 4006 XRV-R
HCSRU 4506 XRV-R
HCSRU 5006 XRV-R

Splitting and height difference lengths

Max distance between O.U. and the farthest I.U. = 200 m

Max distance from the divider to the farthest I.U. = 40 m

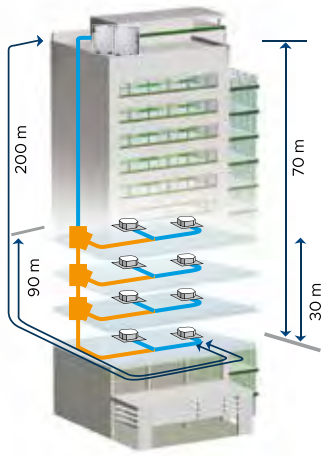
Max distance from the first branch pipe to the farthest I.U. = 90 m

Max height difference between O.U. (up high) and I.U. = 70 m

Max height difference between O.U. (down) and the I.U. = 110 m

Max height difference between I.U. = 30 m

Maximum length of the pipes = 1000 m



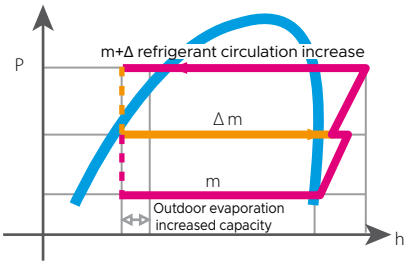
Heating during defrost

XRV Plus remarkably reduces defrost time thanks to the particular structure of the heat exchanger, therefore with non-stop operation.

High performance

Thanks to the steam-injected DC Inverter compressor, HOKKAIDO 3-pipe outdoor units are capable of operating down to -25° C, providing significantly higher heating capacities especially at colder outside temperatures.

The compressor is designed to modulate down to a minimum of 7%, greatly increasing the efficiency of the entire system at partial loads.



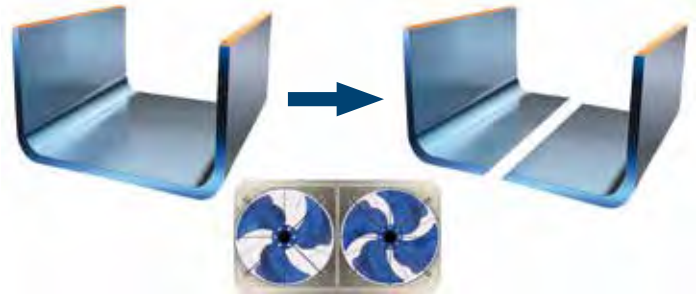
Fan and exchanger

Outdoor unit heat exchangers are divided in two parts: a left and right structure, so that there are two independent circuits in one outdoor unit.

Each outdoor unit has two fans, which allow control each heat exchanger structure individually.

2-pipe system

3-pipe system



Branch pipe kit

Set of branches for connecting flow dividers	
Code	A - Capacity of connectable indoor units (kW)
DIS-22-1RI	A<16.60
DIS-180-1RI	16.60≤A<33.00
DIS-371-2-RI	33.00≤A<66.00
DIS-540-1RH Plus	66.00≤A<92.00
DIS-1344-1RH Plus	92.00≤A<135.00

Branch pipe kit for outdoor unit connection	
Code	Outdoor Units
DOS 2A-3-R	2 Outdoor KITS
DOS 3A-3-R	3 Outdoor KITS

XRV PLUS HEAT RECOVERY

Heat recovery - 3 pipes

OPERATING MODE

Heating function

The system heats rooms to the desired temperature during the winter.

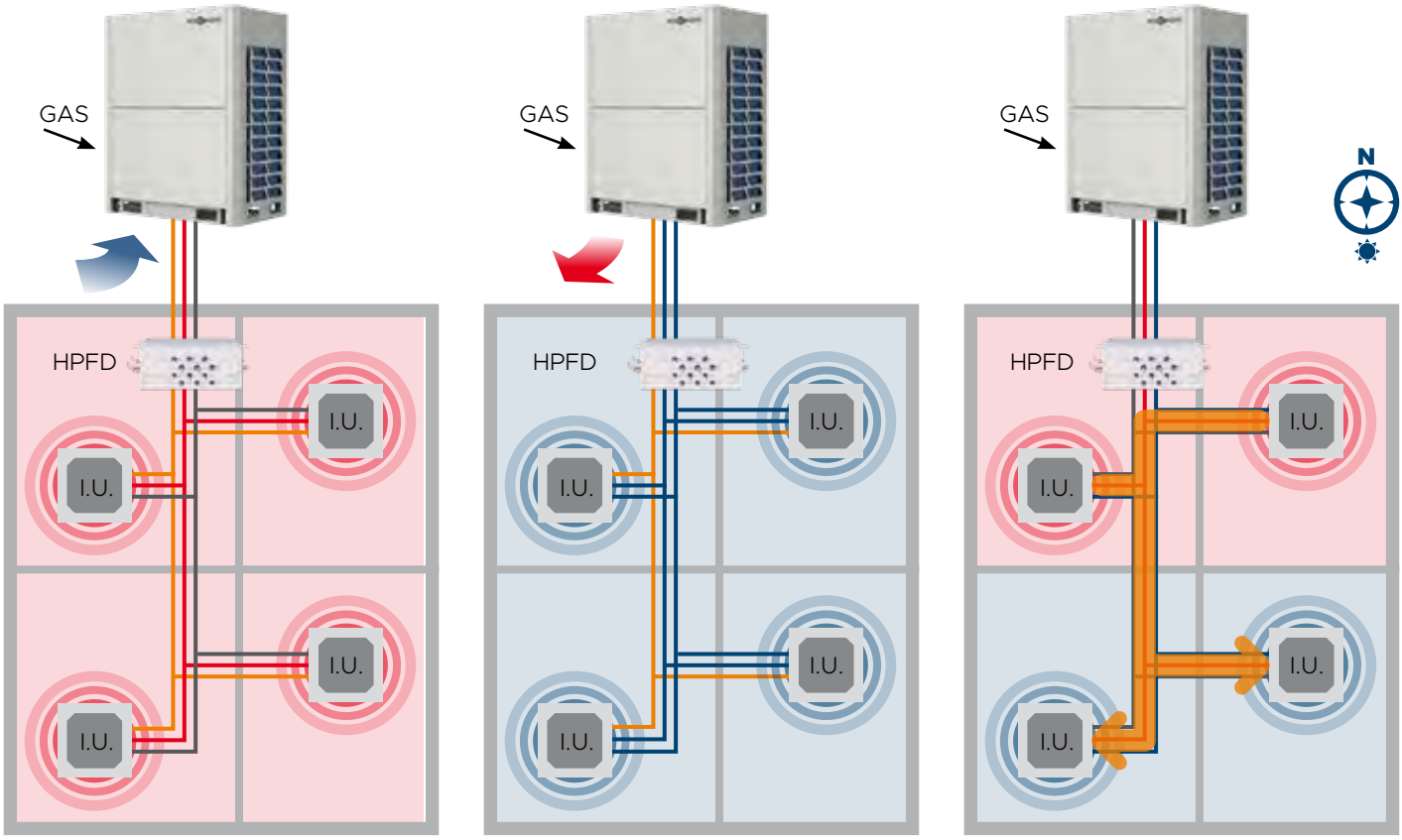
Cooling function

The system cools rooms to the desired temperature during the summer.

Energy recovery

A need to cool and heat simultaneously may arise during mid-seasons or when buildings have different sun exposure.

The XRV Plus Heat Recovery system uses its 3 pipes to recover part of the energy to meet these dual needs.



XRV PLUS HEAT RECOVERY

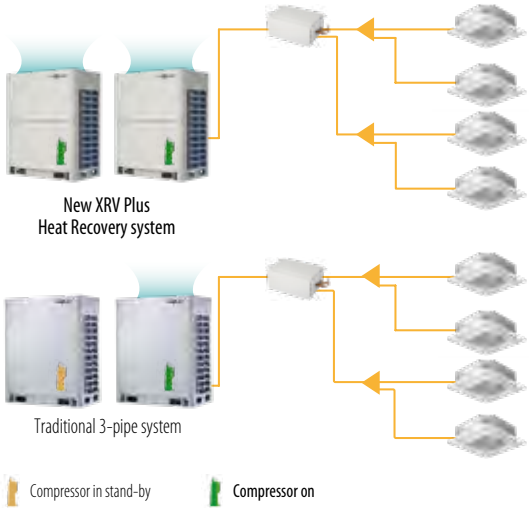
Heat recovery - 3 pipes

HIGH EFFICIENCY

Independent control of exchangers and compressors

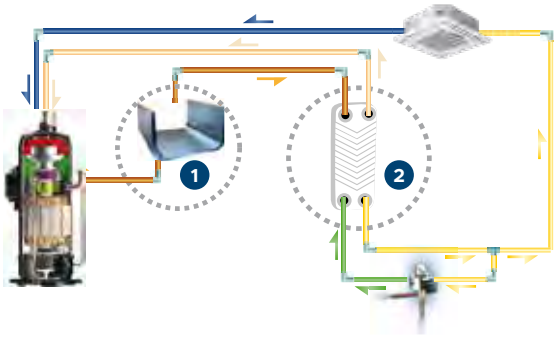
The control of the heat exchangers and compressors is independent, to provide maximum performance in both cooling and heating.

As a result, if the compressor of one unit in a system made up of several modules is not running due to a lower load demand, the respective heat exchanger stays active to maximise the exchange surface and therefore the efficiency of the system.



Additional exchanger for sub-cooling control

The addition of a plate heat exchanger as a secondary intercooler increases refrigerant sub-cooling and improves energy efficiency by 10%.



WIDE RANGE OF APPLICATION

Combinable system

The new HCSRU XRV-R series supplies up to 18HP of capacity in a single unit and up to a maximum of 54HP in a combination of 3 modules, covering all types of applications and building extensions.

8-10-12HP
(single fan)

14-16-18HP
(dual fan)

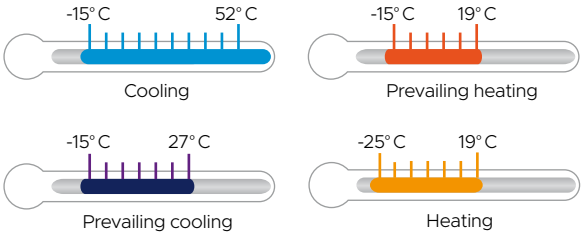
20-36HP

38-54HP

Broad operating range

HCSRU XRV-R offers a wide range of guaranteed operation.
It can operate stably at outside temperatures from -15° C to 52° C in cooling mode and from -25° C to 19° C in heating mode.

Simultaneous cooling and heating is guaranteed from -15° C to 27° C in prevailing cooling mode and from -15° C to 19° C in prevailing heating mode.



XRV PLUS HEAT RECOVERY

Heat recovery - 3 pipes

HIGHLY RELIABLE

Outdoor unit rotation cycle

In systems with several outdoor units, the operating logic of the compressors correctly rotates and distributes the operating hours, optimising the use of each component and extending the useful life of the entire system.

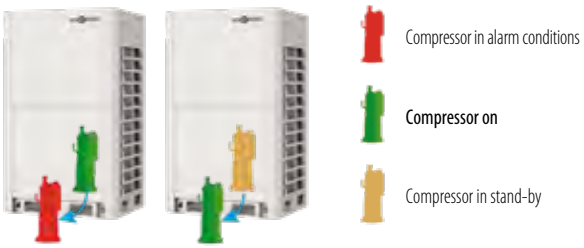
cycle 1

cycle 2

cycle 3

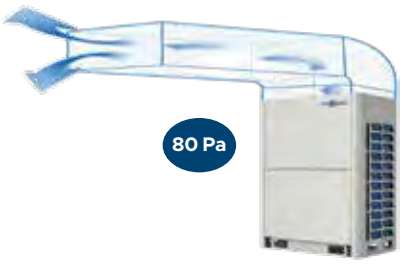
Compressor backup

In multi-module systems, if a single unit is in alarm conditions and fails, it is compensated for by the other units and allows continuity of service until the failed unit is repaired.



Fan static pressure

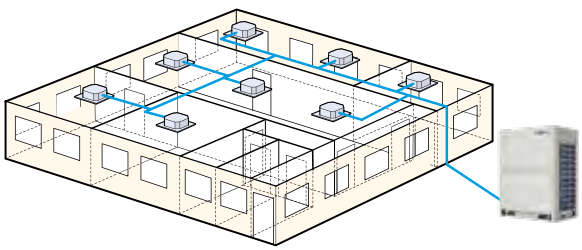
The fan can be set to provide up to 80 Pa of useful static pressure.
In this way, the outdoor unit can be installed in technical rooms or in areas where the correct natural flow of air cannot be guaranteed, channelling the expulsion of air from the unit to the outside.



EASY INSTALLATION AND MAINTENANCE

Automatic addressing

The outdoor unit can assign the addresses of the indoor units automatically.
The wireless and wired controls can check and change the address of each indoor unit.



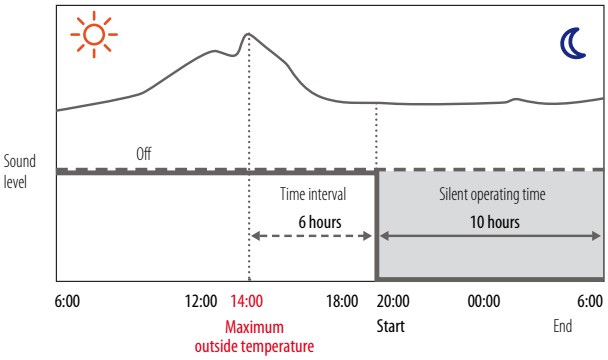
XRV PLUS HEAT RECOVERY

Heat recovery - 3 pipes

UNPARALLELED COMFORT

Silent mode

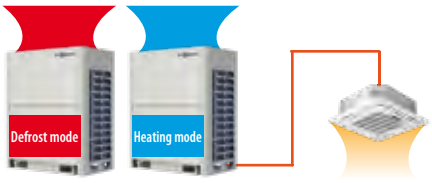
Multiple sound power attenuation modes are available depending on the specific needs, if discrete unit operation is required: night hours only or continuously, and with different degrees of attenuation, limiting only the maximum fan frequency or also the compressor frequency.



Continuous heating

As an alternative to the traditional reverse cycle defrosting technology, it is possible for systems consisting of several HCSRU XRV-R modules to keep the space heating active by defrosting the exchangers of the modules alternately and independently.
In this way, heat can be supplied continuously without the system stopping during defrosting.


Ordinary heating operation



Continuous heating operation

Continuous heating operation

FLOW DIVIDERS

Single HPDF

- Extended cooling mode operation down to -15° C.
- Management of any third-party leak detectors and isolation of any leakage downstream of the MS box by means of a suitable shut-off valve.
- Possible management of up to 8 indoor units with a total capacity of up to 32 kW (operating in the same mode).
- Compact and lightweight for installation.
- No condensate drain required.
- Extremely precise control via 3200-step electronic valve.
- Silent operation.


HPFD 1-8 XRV-R

Multiple HPDF

- Versions with 4, 6, 8, 10 and 12 connections available.
- Up to 5 indoor units can be connected for each connection (operating in the same mode), for a total of up to 47 indoor units per HPFD box in the 12 connections version.
- Up to 16 kW manageable per connection, or 28 kW by connecting 2 connections.


HPFD 4-20 XRV-R


HPFD 6-30 XRV-R


HPFD 8-40 XRV-R


HPFD 10-47 XRV-R


HPFD 12-47 XRV-R

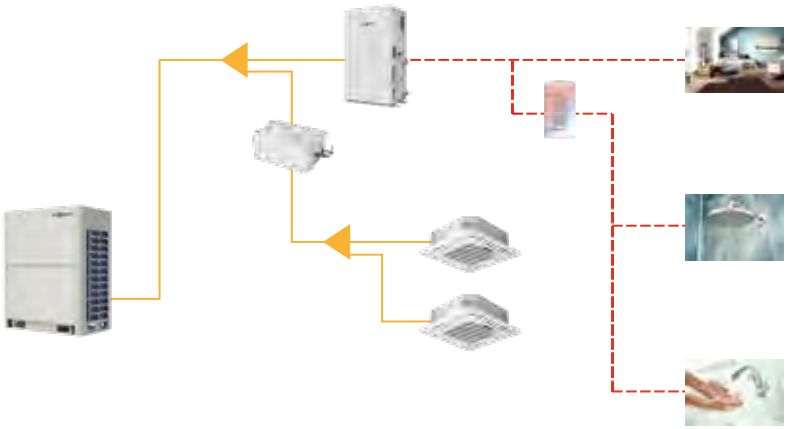
XRV PLUS HEAT RECOVERY

Heat recovery - 3 pipes

HOT WATER AND HEATING

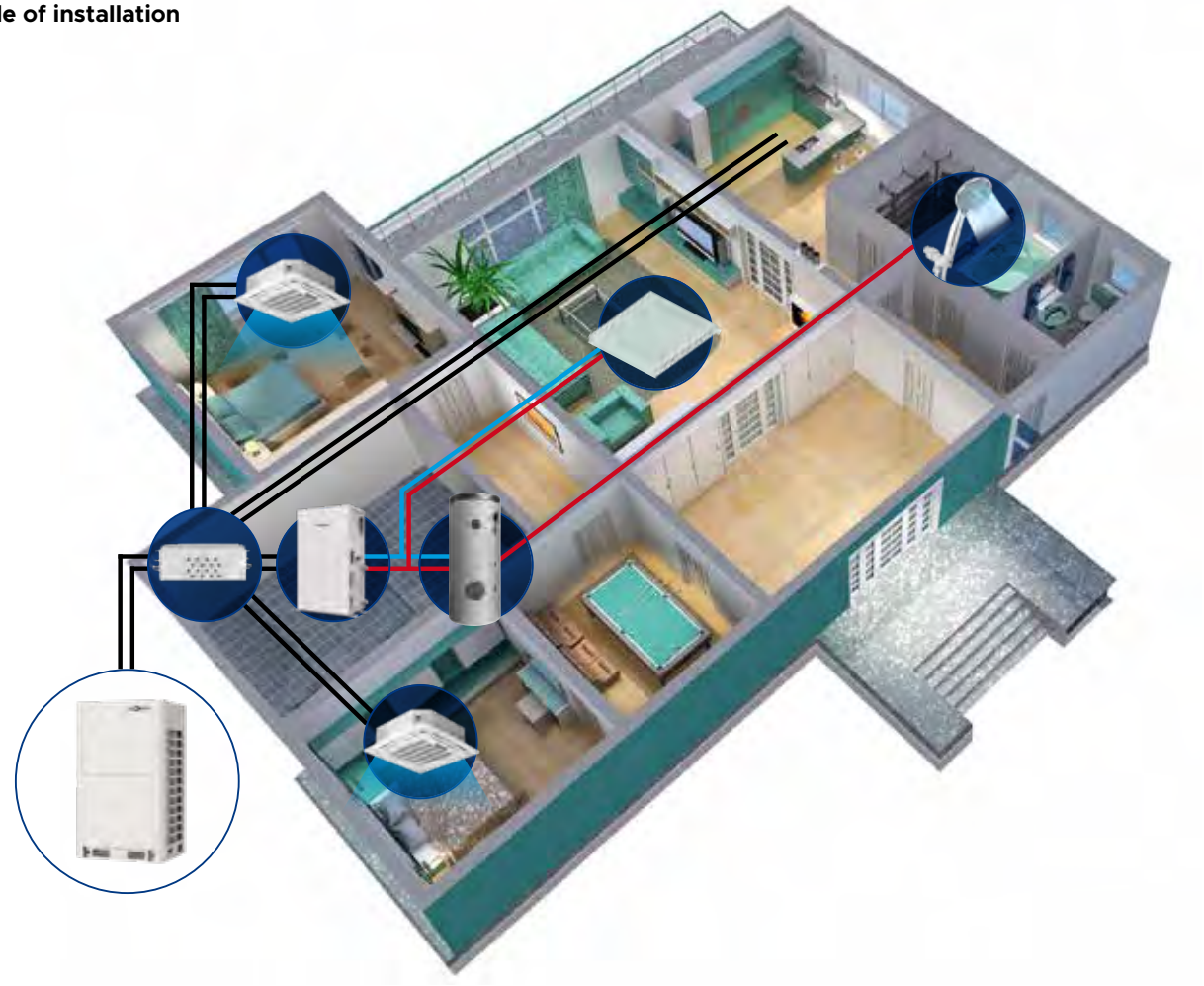
Maximum flexibility of use

In addition to the simultaneous supply of cooling and heating through indoor units belonging to the same system, the HCSRU XRV-R series can manage high-temperature hydronic modules for hot water production up to 80°C and low-temperature heating (radiant floor or high-efficiency radiators).



It is possible to connect up to 3 hydromodules per outdoor unit

Example of installation



XRV PLUS HEAT RECOVERY

Heat recovery - 3 pipes

Model / Combination			HCSRU 2526 XRV-R	HCSRU 2806 XRV-R	HCSRU 3356 XRV-R	HCSRU 4006 XRV-R	HCSRU 4506 XRV-R	HCSRU 5006 XRV-R
Power		**HP**	**8**	**10**	**12**	**14**	**16**	**18**
Rated capacity[1]	Cooling	kW	22.40	28.00	33.50	40.00	45.00	50.00
Rated absorbed power	Cooling	kW	5.25	7.18	8.64	9.83	12.00	13.81
Energy efficiency coefficient (rated)	Cooling	EER	4.27	3.90	3.88	4.07	3.75	3.62
Seasonal energy efficiency (ηs,c)	Cooling	%	306	299	289	265	264	272
Rated capacity[2]	Heating	kW	22.40	28.00	33.50	40.00	45.00	50.00
Rated absorbed power	Heating	kW	3.96	5.46	6.57	8.26	9.78	11.90
Energy performance coefficient (rated)	Heating	COP	5.66	5.13	5.10	4.84	4.60	4.20
Seasonal energy efficiency (ηs,c) average	Heating	%	164	167	181	171	170	165
Electrical data								
Power supply		Ph-V-Hz	3-380~415V-50Hz	3-380~415V-50Hz	3-380~415V-50Hz	3-380~415V-50Hz	3-380~415V-50Hz	3-380~415V-50Hz
Maximum current		A	18.00	22.00	24.00	28.00	34.00	36.00
Refrigerant circuit								
Refrigerant (GWP)			R410A (2088)	R410A (2088)	R410A (2088)	R410A (2088)	R410A (2088)	R410A (2088)
Quantity refrigerant pre-load[3]		Kg	8	8	8	10	10	10
Tons of CO2 equivalent		t	16.704	16.704	16.704	20.880	20.880	20.880
DC Inverter compressor		no. / type	1 / Scroll DC Inverter	1 / Scroll DC Inverter	1 / Scroll DC Inverter	1 / Scroll DC Inverter	1 / Scroll DC Inverter	1 / Scroll DC Inverter
Pipe diameter[4]	Liquid	Ø mm (inch)	9.53 (3/8")	9.53 (3/8")	12.7 (1/2")	12.7 (1/2")	12.7 (1/2")	15.9 (5/8")
Pipe diameter[4]	High pressure gas	Ø mm (inch)	19.1 (3/4")	22.2 (7/8")	28.6 (9/8")	28.6 (9/8")	28.6 (9/8")	28.6 (9/8")
Pipe diameter[4]	Low pressure gas	Ø mm (inch)	15.9 (5/8")	19.1 (3/4")	19.1 (3/4")	22.2 (7/8")	22.2 (7/8")	22.2 (7/8")
Max piping length[5]		m	1000	1000	1000	1000	1000	1000
Max height difference between I.U.		m	30	30	30	30	30	30
Max height difference between O.U. and the I.U.[6]		m	110	110	110	110	110	110
Product Specifications								
Dimensions[7]	LxHxD	mm	990x1635x790	990x1635x790	990x1635x790	1340x1635x825	1340x1635x825	1340x1635x825
Net weight		Kg	232	232	232	300	300	300
Sound pressure level at 1 m		dB(A)	58	58	60	61	64	65
Sound power level		dB(A)	78	78	81	81	88	88
Fan air flow		m³/h	9000	9500	10000	14000	14900	15800
Fan static pressure	Std/Max	Pa	0/80	0/80	0/80	0/80	0/80	0/80
Operating limits (outside temperature)	Cooling[8]	°C (DB)	-15~52					
Operating limits (outside temperature)	Heating	°C (WB)	-25~19					
Max. connectable I.U.		**no.**	**20**	**25**	**30**	**36**	**40**	**45**
Capacity of connectable indoor units[9]		%	50-200	50-200	50-200	50-200	50-200	50-200

Model / Combination			HCSRU 4506 XRV-R HCSRU 4506 XRV-R	HCSRU 4506 XRV-R HCSRU 5006 XRV-R	HCSRU 5006 XRV-R HCSRU 5006 XRV-R	HCSRU 3356 XRV-R HCSRU 3356 XRV-R HCSRU 4006 XRV-R	HCSRU 3356 XRV-R HCSRU 3356 XRV-R HCSRU 4506 XRV-R	HCSRU 3356 XRV-R HCSRU 4006 XRV-R HCSRU 4506 XRV-R
Power		**HP**	**32 (16+16)**	**34 (16+18)**	**36 (18+18)**	**38 (12+12+14)**	**40 (12+12+16)**	**42 (12+14+16)**
Rated capacity[1]	Cooling	kW	90.00	95.00	100.00	107.00	112.00	118.50
Rated absorbed power	Cooling	kW	24.00	25.81	28.72	27.10	29.27	30.46
Energy efficiency coefficient (rated)	Cooling	EER	3.75	3.68	3.48	3.95	3.83	3.89
Seasonal energy efficiency (ηs,c)	Cooling	%	264	268	272	281	280.7	272.7
Rated capacity[2]	Heating	kW	90.00	95.00	100.00	107.00	112.00	118.50
Rated absorbed power	Heating	kW	19.57	21.69	21.83	21.40	22.92	24.62
Energy performance coefficient (rated)	Heating	COP	4.60	4.38	4.58	5.00	4.89	4.81
Seasonal energy efficiency (ηs,c) average	Heating	%	170	167.5	165	177.7	177.3	174
Electrical data								
Power supply		Ph-V-Hz	3-380~415V-50Hz	3-380~415V-50Hz	3-380~415V-50Hz	3-380~415V-50Hz	3-380~415V-50Hz	3-380~415V-50Hz
Maximum current		A	68.00	70.00	72.00	76.00	82.00	86.00
Refrigerant circuit								
Refrigerant (GWP)			R410A (2088)	R410A (2088)	R410A (2088)	R410A (2088)	R410A (2088)	R410A (2088)
Quantity refrigerant pre-load[3]		Kg	20	20	20	26	26	28
Tons of CO2 equivalent		t	41.760	41.760	41.760	54.288	54.288	58.464
DC Inverter compressor		no. / type	2 / Scroll DC Inverter	2 / Scroll DC Inverter	2 / Scroll DC Inverter	3 / Scroll DC Inverter	3 / Scroll DC Inverter	3 / Scroll DC Inverter
Pipe diameter[4]	Liquid	Ø mm (inch)	19.1 (3/4")	19.1 (3/4")	19.1 (3/4")	19.1 (3/4")	19.1 (3/4")	19.1 (3/4")
Pipe diameter[4]	High pressure gas	Ø mm (inch)	34.9 (1" 3/8")	34.9 (1" 3/8")	41.3 (1" 5/8")	41.3 (1" 5/8")	41.3 (1" 5/8")	41.3 (1" 5/8")
Pipe diameter[4]	Low pressure gas	Ø mm (inch)	28.6 (9/8")	28.6 (9/8")	28.6 (9/8")	34.9 (1" 3/8")	34.9 (1" 3/8")	34.9 (1" 3/8")
Max piping length[5]		m	1000	1000	1000	1000	1000	1000
Max height difference between I.U.		m	30	30	30	30	30	30
Max height difference between O.U. and the I.U.[6]		m	110	110	110	110	110	110
Product Specifications								
Dimensions[7]	LxHxD	mm	2780x1635x825	2780x1635x825	2780x1635x825	3520x1635x825	3520x1635x825	3870x1635x825
Net weight		Kg	600	600	600	764	764	832
Sound pressure level at 1 m		dB(A)	67	68	68	65	67	67
Sound power level		dB(A)	91	91	91	86	89	89
Fan air flow		m³/h	29800	30700	31600	34000	34900	38900
Fan static pressure	Std/Max	Pa	0/80	0/80	0/80	0/80	0/80	0/80
Operating limits (outside temperature)	Cooling[8]	°C (DB)	-15~52					
Operating limits (outside temperature)	Heating	°C (WB)	-25~19					
Max. connectable I.U.		**no.**	**64**	**64**	**64**	**64**	**64**	**64**
Capacity of connectable indoor units[9]		%	50-200	50-200	50-200	50-200	50-200	50-200

1.Cooling capacity tested in accordance with ISO 5151 Standards; outside temperature 35° C DB, 24° C WB and inside temperature 27° C DB, 19° WB. 2. Heating capacity tested in accordance with ISO 5151 Standards; outside temperature 7° C DB, 6° C WB and inside temperature 20° C DB, 15° C WB. 3.Refer to the label inside the unit to calculate the additional refrigerant charge. 4. When several outdoor units are paired the diameters indicated refer to the section up to the first branch, with a length equivalent or less than 90m. 5.Space between the paired units = 100 mm. 6. If there is a hydromodule between the indoor units, the maximum height difference is reduced to 50 m with the outdoor unit above and 40 m with the outdoor unit below. 7. Space between the units in combination = 100 mm. 8. Operation between -15 ° C and -5 ° C possible only in connection to single HPFDs. 9. The maximum percentage varies according to the type of indoor units connected. For specific information refer to the technical manual.

XRV PLUS HEAT RECOVERY

Heat recovery - 3 pipes

HCSRU 2806 XRV-R HCSRU 2806 XRV-R	HCSRU 2806 XRV-R HCSRU 3356 XRV-R	HCSRU 2806 XRV-R HCSRU 4006 XRV-R	HCSRU 3356 XRV-R HCSRU 4006 XRV-R	HCSRU 3356 XRV-R HCSRU 4506 XRV-R	HCSRU 3356 XRV-R HCSRU 5006 XRV-R
20 (10+10)	**22 (10+12)**	**24 (10+14)**	**26 (12+14)**	**28 (12+16)**	**30 (12+18)**
56.00	61.50	68.00	73.50	78.50	83.50
14.36	15.82	17.01	18.46	20.64	22.45
3.90	3.89	4.00	3.98	3.80	3.72
299	294	282	277	276.5	280.5
56.00	61.50	68.00	73.50	78.50	83.50
10.92	12.03	13.72	14.83	16.35	18.47
5.13	5.11	4.96	4.96	4.80	4.52
167	174	169	176	175.5	173
3-380~415V-50Hz	3-380~415V-50Hz	3-380~415V-50Hz	3-380~415V-50Hz	3-380~415V-50Hz	3-380~415V-50Hz
44.00	46.00	50.00	52.00	58.00	60.00
R410A (2088)	R410A (2088)	R410A (2088)	R410A (2088)	R410A (2088)	R410A (2088)
16	16	18	18	18	18
33.408	33.408	37.580	37.580	37.580	37.580
2 / Scroll DC Inverter	2 / Scroll DC Inverter	2 / Scroll DC Inverter	2 / Scroll DC Inverter	2 / Scroll DC Inverter	2 / Scroll DC Inverter
15.9 (5/8")	15.9 (5/8")	15.9 (5/8")	19.1 (3/4")	19.1 (3/4")	19.1 (3/4")
28.6 (9/8")	28.6 (9/8")	34.9 (1" 3/8")	34.9 (1" 3/8")	34.9 (1" 3/8")	34.9 (1" 3/8")
28.6 (9/8")	28.6 (9/8")	28.6 (9/8")	28.6 (9/8")	28.6 (9/8")	28.6 (9/8")
1000	1000	1000	1000	1000	1000
30	30	30	30	30	30
110	110	110	110	110	110
2080x1635x790	2080x1635x790	2430x1635x825	2430x1635x825	2430x1635x825	2430x1635x825
464	464	532	532	532	532
61	62	63	64	65	66
81	83	83	84	89	89
19000	19500	23500	24000	24900	25800
0/80	0/80	0/80	0/80	0/80	0/80
-15~52					
-25~19					
50	**55**	**61**	**64**	**64**	**64**
50-200	50-200	50-200	50-200	50-200	50-200

HCSRU 3356 XRV-R HCSRU 4506 XRV-R HCSRU 4506 XRV-R	HCSRU 4006 XRV-R HCSRU 4506 XRV-R HCSRU 4506 XRV-R	HCSRU 4506 XRV-R HCSRU 4506 XRV-R HCSRU 4506 XRV-R	HCSRU 4506 XRV-R HCSRU 4506 XRV-R HCSRU 5006 XRV-R	HCSRU 4506 XRV-R HCSRU 5006 XRV-R HCSRU 5006 XRV-R	HCSRU 5006 XRV-R HCSRU 5006 XRV-R HCSRU 5006 XRV-R
44 (12+16+16)	**46 (14+16+16)**	**48 (16+16+16)**	**50 (16+16+18)**	**52 (16+18+18)**	**54 (18+18+18)**
123.50	130.00	135.00	140.00	145.00	150.00
32.64	33.83	36.00	37.81	39.62	41.44
3.78	3.84	3.75	3.70	3.66	3.62
272.3	264.3	264	266.7	269.3	272
123.50	130.00	135.00	140.00	145.00	150.00
26.13	27.83	29.35	31.47	33.59	35.71
4.73	4.67	4.60	4.45	4.32	4.20
173.7	170.3	170	168.3	166.7	165
3-380~415V-50Hz	3-380~415V-50Hz	3-380~415V-50Hz	3-380~415V-50Hz	3-380~415V-50Hz	3-380~415V-50Hz
92.00	96.00	102.00	104.00	106.00	108.00
R410A (2088)	R410A (2088)	R410A (2088)	R410A (2088)	R410A (2088)	R410A (2088)
28	30	30	30	30	30
58.464	62.640	62.640	62.640	62.640	62.640
3 / Scroll DC Inverter	3 / Scroll DC Inverter	3 / Scroll DC Inverter	3 / Scroll DC Inverter	3 / Scroll DC Inverter	3 / Scroll DC Inverter
19.1 (3/4")	19.1 (3/4")	19.1 (3/4")	19.1 (3/4")	19.1 (3/4")	19.1 (3/4")
41.3 (1" 5/8")	41.3 (1" 5/8")	41.3 (1" 5/8")	41.3 (1" 5/8")	41.3 (1" 5/8")	41.3 (1" 5/8")
34.9 (1" 3/8")	34.9 (1" 3/8")	34.9 (1" 3/8")	34.9 (1" 3/8")	34.9 (1" 3/8")	34.9 (1" 3/8")
1000	1000	1000	1000	1000	1000
30	30	30	30	30	30
110	110	110	110	110	110
3870x1635x825	4220x1635x825	4220x1635x825	4220x1635x825	4220x1635x825	4220x1635x825
832	900	900	900	900	900
68	68	69	69	69	70
91	91	93	93	93	93
39800	43800	44700	45600	46500	47400
0/80	0/80	0/80	0/80	0/80	0/80
-15~52					
-25~19					
64	**64**	**64**	**64**	**64**	**64**
50-200	50-200	50-200	50-200	50-200	50-200

1.Cooling capacity tested in accordance with ISO 5151 Standards; outside temperature 35° C DB, 24° C WB and inside temperature 27° C DB, 19° WB. 2. Heating capacity tested in accordance with ISO 5151 Standards; outside temperature 7° C DB, 6° C WB and inside temperature 20° C DB, 15° C WB. 3.Refer to the label inside the unit to calculate the additional refrigerant charge. 4. When several outdoor units are paired the diameters indicated refer to the section up to the first branch, with a length equivalent or less than 90m. 5.Space between the paired units = 100 mm. 6. If there is a hydromodule between the indoor units, the maximum height difference is reduced to 50 m with the outdoor unit above and 40 m with the outdoor unit below. 7. Space between the units in combination = 100 mm. 8. Operation between -15 ° C and -5 ° C possible only in connection to single HPFDs. 9. The maximum percentage varies according to the type of indoor units connected. For specific information refer to the technical manual.

XRV PLUS HEAT RECOVERY

Flow dividers

Simultaneous cooling and heating within the same system is made possible by special flow dividers (HPFD) placed between the outdoor and indoor units which sort the refrigerant in liquid and gaseous phases between the rooms requiring cooling or heating.

Several versions are available, with single or multiple connections.

Model				HPFD 1-8 XRV-R	HPFD 4-20 XRV-R	HPFD 6-30 XRV-R	HPFD 8-40 XRV-R	HPFD 10-47 XRV-R	HPFD 12-47 XRV-R
Number of connections				**1**	**4**	**6**	**8**	**10**	**12**
Max. number of indoor units per each connection[1]				8	5	5	5	5	5
Max. total number of indoor units per divider[1]				8	20	30	40	47	47
Max. capacity for each connection[2]			kW	32.00	16.00	16.00	16.00	16.00	16.00
Max. total capacity of indoor units per divider			kW	32.00	49.00	63.00	85.00	85.00	85.00
Pipe connections	Connection to outdoor unit	Liquid	ø mm	9.53 / 12.7	9.53 / 12.7 / 15.9 / 19.1	9.53 / 12.7 / 15.9 / 19.1	12.7 / 15.9 / 19.1 / 22.2	12.7 / 15.9 / 19.1 / 22.2	12.7 / 15.9 / 19.1 / 22.2
		Gas-High pressure	ø mm	15.9 / 19.1 / 22.2	19.1 / 22.2 / 28.6	19.1 / 22.2 / 28.6	22.2 / 28.6 / 34.9	22.2 / 28.6 / 34.9	22.2 / 28.6 / 34.9
		Gas- Low pressure	ø mm	12.7 / 15.9 / 19.1	15.9 / 19.1 / 22.2 / 28.6	15.9 / 19.1 / 22.2 / 28.6	19.1 / 22.2 / 28.6	19.1 / 22.2 / 28.6	19.1 / 22.2 / 28.6
	Connection to indoor unit	Liquid	ø mm	6.35 / 9.53	6.35 / 9.53	6.35 / 9.53	6.35 / 9.53	6.35 / 9.53	6.35 / 9.53
		Gas	ø mm	12.7 / 15.9	12.7 / 15.9	12.7 / 15.9	12.7 / 15.9	12.7 / 15.9	12.7 / 15.9
External dimensions		LxHxD	mm	440x195x296	668x250x574	668x250x574	974x250x574	974x250x574	974x250x574
Net weight			Kg	10.5	33	36	48	51	54
Sound pressure level[3]			dB(A)	40	44	45	47	47	47
Sound power level[3]			dB(A)	60	63	65	65	65	65
Power supply			Ph-V-Hz	1-220~240V-50Hz					

1. Any indoor units connected to the same connection as the MS box must run in the same mode.
2. For MS boxes with 4 to 12 connections, indoor units with a capacity of 16 kW to 28 kW can be connected to 2 connections through connection kit DIS-HPFD-XRV-R.
3. The sound levels are measured in a semi-anechoic chamber, 1 m below the HPFD during the mode change. Avoid installing the HPFD in environments with low noise requirements.

Hydromodule

HHNMS 140 XRV-R

Model			HHNMS 140 XRV-R
Rated capacity[1]	Heating	kW	14,00
Operating limits (outside temperature)	Heating	°C	-20~30
	Domestic water	°C	-20~43
Delivery water temperature adjustment range		°C	25~80
Electrical data			
Power supply		Ph-V-Hz	1-220~240V-50Hz
Maximum current		A	16,00
Product specifications			
External dimensions	LxHxD	mm	450x795x300
Net weight		Kg	63
Sound pressure level		dB(A)	43
Sound power level		dB(A)	54
Water flow	Std (Min~Max)	m³/h	2,4 (1,2~2,9)
Water pressure	Min~Max	bar	1~3
Connections	Freon Liquid/Gas	ø mm (inch)	9,52 (3/8") / 12,7 (1/2")
	Inlet/outlet water	ø mm (inch)	25,4 (1")
Serial control		type	Wired remote control

1. Heating capacity tested in accordance with ISO 5151 Standards; outside temperature 7° C DB, 6° C WB and inlet/outlet water temperature 40° C DB, 45° C WB.

PREMIUM - P SERIES INDOOR UNITS

		kW	2.20	2.80	3.60	4.50	5.60	7.10	9.00	11.20	12.50	14.00	16.00	20.00	28.00
Cassette	8-ways compact 60x60	 HTFU XRV-P	●	●	●	●									
	8-ways 84x84	 HTBU XRV-P					●	●	●	●		●			
Ducted	medium static pressure	 HUCU XRV-P	●	●	●	●	●	●	●	●					
	high static pressure	 HVDU XRV-P						●	●	●		●	●	●	●
	all-outside air	 HVDU-F XRV-P									●	●			
Wall		 HKEU XRV-P	●	●	●	●	●	●	●						
Floor	floor / ceiling	 HSFU XRV-P			●	●	●	●	●	●		●			
	recessed	 HFCU XRV-P	●	●	●	●	●								

HTFU XRV-P

8-ways compact cassette 60x60

The control must be purchased as an accessory

Ultra-compact design

22 dB(A) (2.20~2.80 kW) | Extremely quiet

360° air diffusion

Condensate drain pump with possibility of raising the discharge up to 500 mm from the lower height

Model			HTFU 225 XRV-P	HTFU 285 XRV-P	HTFU 365 XRV-P	HTFU 455 XRV-P
Rated capacity	Cooling	kW	2.20	2.80	3.60	4.50
	Heating	kW	2.40	3.20	4.00	5.00
Electrical data						
Power supply		Ph-V-Hz	1-220~240V-50Hz			
Electrical absorption		W	35	35	40	50
Product specifications						
External dimensions	LxHxD	mm	630x260x570			
Net weight		Kg	18		19.2	
Sound pressure level at 1.4 m[1]	Max~Min	dB(A)	35~22		41~28	
Sound power level[1]	Max~Min	dB(A)	51~38		56~43	
Air flow[1]	Max~Min	m3/h	576~405		604~400	
Refrigerant connections	Liquid/Gas	ø mm (inch)	6.35 (1/4") - 12.7 (1/2")			
	Condensate drain	ø mm	32			
Accessories						
Decorative panel			TFP 155 XRV-P			
Dimensions	LxHxD	mm	647x50x647			
Net weight		Kg	2.5			
Remote control			DHIR-5-6-XRV-K-P			
Wired remote control			DHW-5-6-XRV-P			
Optional parts						
Centralized control			DHC-8-64-XRV-P			

1. Values related to Max and Min speed of 7 levels settable by remote control.

HTBU XRV-P

8-ways cassette 84x84

The control must be purchased as an accessory

Optimised fan design to attenuate air resistance and reduce noise level

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

Pre-set for the connection of an outside air intake channel

Model			HTBU 565 XRV-P	HTBU 715 XRV-P	HTBU 905 XRV-P	HTBU 1125 XRV-P	HTBU 1405 XRV-P
Rated capacity	Cooling	kW	5.60	7.10	9.00	11.20	14.00
	Heating	kW	6.30	8.00	10.00	12.50	16.00
Electrical data							
Power supply		Ph-V-Hz	1-220~240V-50Hz				
Electrical absorption		W	31	46	75		94
Product specifications							
External dimensions	LxHxD	mm	840x230x840		840x300x840		
Net weight		Kg	23.2		28.4		30.7
Sound pressure level at 1.4 m[1]	Max~Min	dB(A)	43~34	45~34	47~36		50~38
Sound power level[1]	Max~Min	dB(A)	56~47	58~47	61~50		64~52
Air flow[1]	Max~Min	m3/h	1029~704	1200~748	1596~1034		1727~1224
Refrigerant connections	Liquid/Gas	ø mm (inch)	9.52 (3/8") - 15.9 (5/8")				
	Condensate drain	ø mm	32				
Accessories							
Decorative panel			TBP 712 IHXR				
Dimensions	LxHxD	mm	950x70x950				
Net weight		Kg	5.8				
Remote control			DHIR-5-6-XRV-K-P				
Wired remote control			DHW-5-6-XRV-P				
Optional parts							
Centralized control			DHC-8-64-XRV-P				

1. Values related to Max and Min speed of 7 levels settable by remote control.

CLEAN AIR UV-KIT
AIR PURIFIYING DEVICE FOR DUCTED SYSTEMS

TMS-UV04

AN ALL-IN-ONE SOLUTION FOR ELIMINATING VIRUSES AND BACTERIA

The UV-C air purification device has the ability to modify the DNA or RNA of micro-organisms, preventing them from reproducing and thus being harmful. UV-C light is able to inactivate 99.99% of viruses.

Use in ducted systems is recommended as it does not expose humans to UV-C light and allows disinfection and air purification.

The device technology is able to degrade numerous organic compounds by oxidation.

The filter attracts and retains moisture molecules that are naturally present in the air, capturing fine dust and oxides. This process encourages faster decomposition of substances that are harmful to humans.

This product is therefore capable of:

- effectively eliminating micro-organisms that are harmful to human health, such as moulds and viruses;
- decomposing organic compounds present in the air such as benzene, formaldehyde, ammonia, ether, TVOC and other organic chemical compounds;
- eliminating unpleasant odours.

This device can be connected to ducted indoor units so that they only operate when the air conditioning system is switched on.

TMS-UV04: for models HVDU 1605~2805 XRV-P.

HUCU XRV-P

Ducted with medium static pressure

The control must be purchased as an accessory

Only 210 mm high (2.20~7.10 kW) | Ultra-compact design: perfect for use in hotels thanks to its small size

Available static pressure: **50 Pa** (2.20~7.10 kW); **100 Pa** (9.00~11.20 kW)

Air intake from bottom or rear

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

Compatible with systems AIRZONE

Model			HUCU 225 XRV-P	HUCU 285 XRV-P	HUCU 365 XRV-P	HUCU 455 XRV-P
Rated capacity	Cooling	kW	2.20	2.80	3.60	4.50
	Heating	kW	2.60	3.20	4.00	5.00
Electrical data						
Power supply		Ph-V-Hz	1-220~240V-50Hz			
Electrical absorption		W	40	40	45	92
Product specifications						
Dimensions	LxHxD	mm	780x210x500			1000x210x500
Net weight		Kg	18			21.5
Sound pressure level at 1.4 m[1]	Max~Min	dB(A)	32~23		33~25	36~25
Sound power level[1]	Max~Min	dB(A)	50~41		51~43	54~43
Air flow[1]	Max~Min	m3/h	520~300		580~370	800~400
Fan static pressure	Std/Max	Pa	10/50			
Refrigerant connections	Liquid/Gas	ø mm (inch)	6.35 (1/4") - 12.7 (1/2")			
	Condensate drain	ø mm	25			
Accessories						
Remote control			DHIR-5-6-XRV-K-P			
Wired remote control			DHW-5-6-XRV-P			
Optional parts						
Centralized control			DHC-8-64-XRV-P			

1. Values related to Max and Min speed of 7 levels settable by remote control.

Model			HUCU 565 XRV-P	HUCU 715 XRV-P	HUCU 905 XRV-P	HUCU 1125 XRV-P
Rated capacity	Cooling	kW	5.60	7.10	9.00	11.20
	Heating	kW	6.30	8.00	10.00	12.50
Electrical data						
Power supply		Ph-V-Hz	1-220~240V-50Hz			
Electrical absorption		W	92	98	120	200
Product specifications						
Dimensions	LxHxD	mm	1000x210x500	1220x210x500	1230x270x775	
Net weight		Kg	21.5	27.5	37	
Sound pressure level at 1.4 m[1]	Max~Min	dB(A)	36~28	37~28	37~28	39~33
Sound power level[1]	Max~Min	dB(A)	54~46	55~46	55~46	57~51
Air flow[1]	Max~Min	m3/h	830~560	1000~680	1260~780	1500~1080
Fan static pressure	Std/Max	Pa	10/50		20/100	
Refrigerant connections	Liquid/Gas	ø mm (inch)	9.52 (3/8") - 15.9 (5/8")			
	Condensate drain	ø mm	25			
Accessories						
Remote control			DHIR-5-6-XRV-K-P			
Wired remote control			DHW-5-6-XRV-P			
Optional parts						
Centralized control			DHC-8-64-XRV-P			

1. Values related to Max and Min speed of 7 levels settable by remote control.

HVDU XRV-P

Ducted with high static pressure

The control must be purchased as an accessory

Available static pressure:
200 Pa (7.10~16.00 kW)
250 Pa (20.00~28.00 kW)

423 mm high (7.10~16.00 kW) | Compact size

Rear air intake

Ease of maintenance

Compatible with system AIRZONE

Model			HVDU 715 XRV-P	HVDU 905 XRV-P	HVDU 1125 XRV-P	HVDU 1405 XRV-P	HVDU 1605 XRV-P	HVDU 2005 XRV-P	HVDU 2805 XRV-P
Rated capacity	Cooling	kW	7.10	9.00	11.20	14.00	16.00	20.00	28.00
	Heating	kW	8.00	10.00	12.50	16.00	17.00	22.50	31.50
Electrical data									
Power supply		Ph-V-Hz	1-220~240V-50Hz						
Electrical absorption		W	180	220	380	420	700	990	1200
Product specifications									
Dimensions	LxHxD	mm	965x423x690			1322x423x691		1454x515x931	
Net weight		Kg	41	51	51	68	68	130	
Sound pressure level at 1.4 m[1]	Max~Min	dB(A)	46~42	50~45	50~45	53~48	54~50	57~50	
Sound power level[1]	Max~Min	dB(A)	64~60	68~63	68~63	71~66	72~68	75~68	
Air flow[1]	Max~Min	m3/h	1360~1160	1420~1140	1870~1350	2240~1600	2660~1880	4330~3730	
Fan static pressure	Std/Max	Pa	100/200					170/250	
Refrigerant connections	Liquid/Gas	ø mm (inch)	9.52 (3/8") - 15.9 (5/8")					12.7 (1/2") - 22.2 (7/8")	
	Condensate drain	ø mm	25					32	
Accessories									
Remote control			DHIR-5-6-XRV-K-P						
Wired remote control			DHW-5-6-XRV-P						
Optional parts									
Centralized control			DHC-8-64-XRV-P						

1. Values related to Max and Min speed of 7 levels settable by remote control.

HVDU-F XRV-P

All-outside air ducted

The control must be purchased as an accessory

These air handling units can be connected together with the indoor units to the same refrigerant system, thus increasing the design flexibility and significantly reducing operating costs

423 mm high | Ultra-compact design

200 Pa | Max static pressure of fans

Automatic "all-outside air" function to save energy when the outside temperature drops below the set temperature

Model			HVDU-F 1255 XRV-P	HVDU-F 1405 XRV-P
Rated capacity	Cooling[1]	kW	12.50	14.00
	Heating[2]	kW	10.50	12.00
Electrical data				
Power supply		Ph-V-Hz	1-220~240V-50Hz	
Electrical absorption		W	480	
Product specifications				
Dimensions	LxHxD	mm	1322x423x691	
Net weight		Kg	68	
Sound pressure level at 1.4 m[3]	Max~Min	dB(A)	48~42	
Sound power level[3]	Max~Min	dB(A)	66~60	
Air flow[3]	Max~Min	m3/h	2000~1500	
Fan static pressure	Std/Max	Pa	180/200	
Refrigerant connections	Liquid/Gas	ø mm (inch)	9.52 (3/8") - 15.9 (5/8")	
	Condensate drain	ø mm	25	
Operating field (100% outdoor air)	Cooling	℃	-5 / 16	
	Heating		20 / 43	
Accessories				
Remote control			DHIR-5-6-XRV-K-P	
Wired remote control			DHW-5-6-XRV-P	
Optional parts				
Centralized control			DHC-8-64-XRV-P	

(1) Cooling test conditions: 100% outdoor air 33° C DB, 28° C WB. (2) Heating test conditions: 100% outdoor air 0° C DB, -2.9° C WB. (3) Values related to Max and Min speed of 7 levels settable by remote control.

HKEU XRV-P

Wall

The control must be purchased as an accessory

New design

203 mm deep (2.20~2.80 kW) | Extremely compact design

29 dB(A) (2.20~2.80 kW) | Extremely quiet

Standard washable filter

Model			HKEU 225 XRV-P	HKEU 285 XRV-P	HKEU 365 XRV-P	HKEU 455 XRV-P	HKEU 565 XRV-P	HKEU 715 XRV-P	HKEU 905 XRV-P
Rated capacity	Cooling	kW	2.20	2.80	3.60	4.50	5.60	7.10	9.00
	Heating	kW	2.40	3.20	4.00	5.00	6.30	8.00	10.00
Electrical data									
Power supply		Ph-V-Hz	1-220~240V-50Hz						
Electrical absorption		W	28		30	40	45	55	82
Product specifications									
Dimensions	LxHxD	mm	835x280x203		990x315x223			1194x343x262	
Net weight		Kg	8.4	9.5	11.4	12.8		17	
Sound pressure level at 1.4 m[1]	Max~Min	dB(A)	31~29	31~29	33~30	35~31	38~34	44~36	48~38
Sound power level[1]	Max~Min	dB(A)	46~44	46~44	48~45	50~46	53~49	59~51	63~53
Air flow[1]	Max~Min	m3/h	422~356	417~316	656~488	594~424	747~547	1195~809	1421~867
Refrigerant connections	Liquid/Gas	ø mm (inch)	6.35 (1/4") - 12.7 (1/2")				9.52 (3/8") - 15.9 (5/8")		
	Condensate drain	ø mm	16						
Accessories									
Remote control			DHIR-5-6-XRV-K-P						
Wired remote control			DHW-5-6-XRV-P						
Optional parts									
Centralized control			DHC-8-64-XRV-P						

1. Values related to Max and Min speed of 7 levels settable by remote control.

HSFU XRV-P

Floor/ceiling

The control must be purchased as an accessory

Auto Swing function | Optimises the distribution of air flow in the room

Built-in electronic expansion valve

Easy installation with unit mounted to the floor or to the ceiling

Model			HSFU 365 XRV-P	HSFU 455 XRV-P	HSFU 565 XRV-P	HSFU 715 XRV-P	HSFU 905 XRV-P	HSFU 1125 XRV-P	HSFU 1405 XRV-P
Rated capacity	Cooling	kW	3.60	4.50	5.60	7.10	9.00	11.20	14.00
	Heating	kW	4.00	5.00	6.30	8.00	10.00	12.50	15.00
Electrical data									
Power supply		Ph-V-Hz	1-220~240V-50Hz						
Electrical absorption		W	49	115			130	180	180
Product specifications									
Dimensions	LxHxD	mm	990x660x203				1280x660x203	1670x680x244	
Net weight		Kg	27	28			35	48	
Sound pressure level at 1.4 m[1]	Max~Min	dB(A)	40~36	43~38			45~40	47~42	
Sound power level[1]	Max~Min	dB(A)	53~49	56~51			58~53	60~55	
Air flow[1]	Max~Min	m3/h	550~420	930~720			1280~1050	1890~1580	
Refrigerant connections	Liquid/Gas	ø mm (inch)	6.35 (1/4") - 12.7 (1/2")		9.52 (3/8") - 15.9 (5/8")				
	Condensate drain	ø mm	16	16	16	16	16	16	16
Accessories									
Remote control			DHIR-5-6-XRV-K-P						
Wired remote control			DHW-5-6-XRV-P						
Optional parts									
Centralized control			DHC-8-64-XRV-P						

1. Values related to Max and Min speed of 7 levels settable by remote control.

HFCU XRV-P
Recessed floor

The control must be purchased as an accessory

29 dB(A) (2.20~2.80 kW) | Extremely quiet

Air intake from bottom

200 mm | Maximum compactness for flush-mounted installation

Model			HFCU 226 XRV-P	HFCU 286 XRV-P	HFCU 366 XRV-P	HFCU 456 XRV-P	HFCU 566 XRV-P
Rated capacity	Cooling	kW	2.20	2.80	3.60	4.50	5.60
	Heating	kW	2.40	3.20	4.00	5.00	6.30
Electrical data							
Power supply		Ph-V-Hz	1-220~240V-50Hz				
Electrical absorption		W	18	18	25	41	37
Product specifications							
Dimensions	LxHxD	mm	915x470x200	915x470x200	915x470x200	1133x470x200	1253x566x200
Net weight		Kg	16.5	16.5	17.8	20.9	24.6
Sound pressure level at 1.4 m[1]	Max~Min	dB(A)	36~29	36~29	37~30	37~30	41~31
Sound power level[1]	Max~Min	dB(A)	-	-	-	-	-
Air flow[1]	Max~Min	m3/h	509~449	509~449	547~409	623~388	623~388
Fan static pressure	Std/Max	Pa	0/60	0/60	0/60	0/60	0/60
Refrigerant connections	Liquid/Gas	ø mm (inch)	6.35 (1/4") - 12.7 (1/2")				
	Condensate drain	ø mm	18.5	18.5	18.5	18.5	18.5
Accessories							
Remote control			DHIR-5-6-XRV-K-P				
Wired remote control			DHW-5-6-XRV-P				
Optional parts							
Centralized control			DHC-8-64-XRV-P				

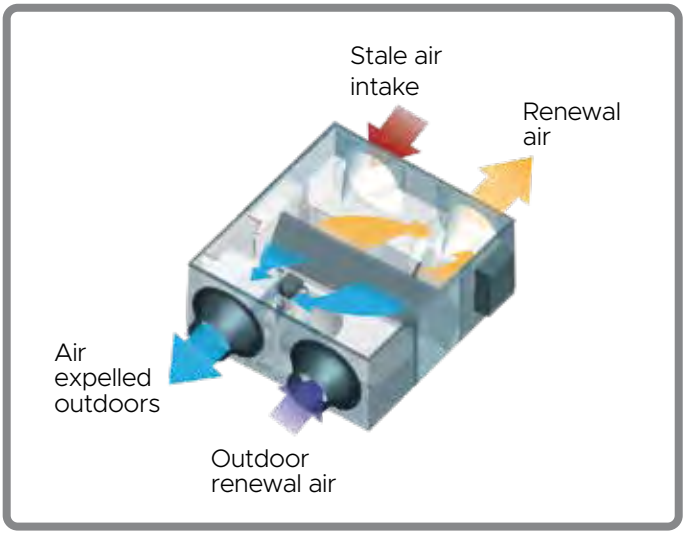
1. Values related to Max and Min speed of 7 levels settable by remote control.

TOTAL HEAT EXCHANGER

EHIN 304~404

EHIN 504~2004

The control must be purchased as an accessory



Enthalpy heat recovery unit. Energy recovery during heat exchanges in rooms

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

The units consist of two centrifugal fans: one introduces clean air filtered from outside and the other one expels the stale air from the inside. The two air flows go through one 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.

- 7 power sizes: 300~2000 m3/h.
- DC Inverter fan.
- Mandatory wired remote control.

Model			EHIN 304	EHIN 404	EHIN 504	EHIN 804	EHIN 1004	EHIN 1504	EHIN 2004
Control (included)		type	None						
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		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	346x326	346x326
Condensate drain			Not required					Necessary	
Field of application		°C	-7~43 BS (max UR 80%)						
Degree of protection			IPX2						
Specific energy consumption[2]	SEC	kWh/m2 a	-	-	-	-	-	-	-
Classe SEC[2]			-	-	-	-	-	-	-
Accessories									
Mandatory wired remote control			DHW EH						

1. Values related to the high speed of the 3 levels settable by wired remote control.
2. Mandatory data for residential ventilation units (RVU) only.

EU Ecodesign Directive 1253/2014 for non-residential ventilation units (NRVU) and residential ventilation (RVU).
EU Energy Labelling 1254/2014 Residential Ventilation Unit (RVU).

EEV KIT

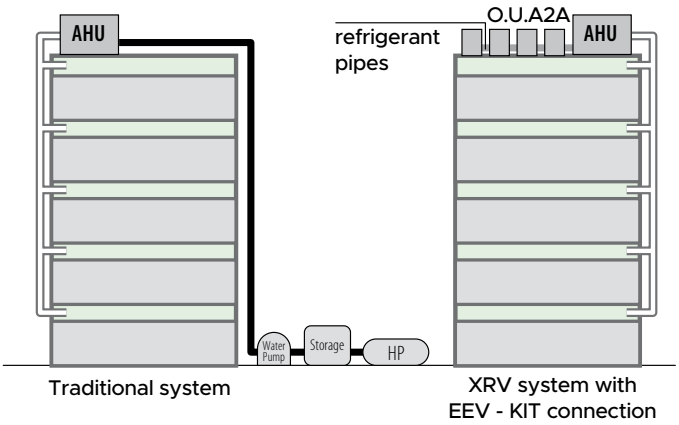
Kit for connecting AHU with direct expansion coil to Hokkaido XRV systems.

HAHU 2-9 XRV-R
HAHU 9-20 XRV-R

HAHU 20-36 XRV-R
HAHU 36-56 XRV-R

Traditional VS XRV systems with EET-KIT

Below is a comparison between a traditional connection system and an XRV system with EEV-KIT connection.



EEV-KIT lets you connect direct air handling unit expansion coils to XRV systems.

These kits are composed of an expansion valve and electronic control to manage refrigerant flow toward the AHU: in this way, AHU systems can make use of the advantages linked to XRV technology.

EEV-KIT Application diagrams

Diagram type A: Mixed system indoor unit XRV + AHU

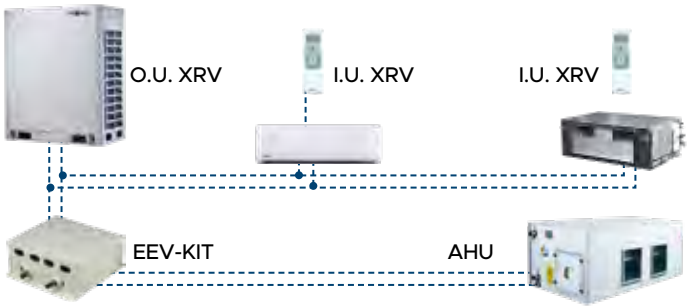
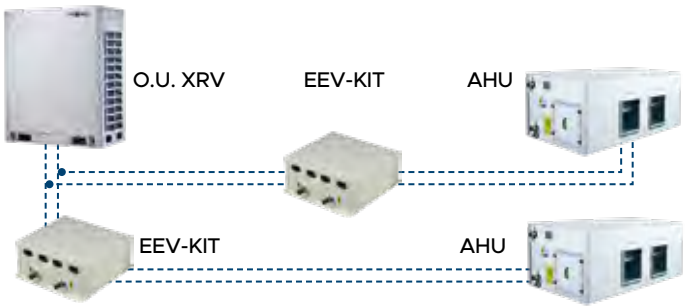


Diagram type B: AHU only



EEV-KIT Advantages

High energy efficiency thanks to XRV technology which involves:

- improved inside temperature control in rooms;
- reduced energy consumption linked to Inverter technology;
- reduced outdoor unit start&stop cycles;
- lower installation and maintenance costs with respect to traditional systems which use an AHU.

Installation and operation

Here are a series of instructions regarding EEV-KIT functionality and the correct installation methods.

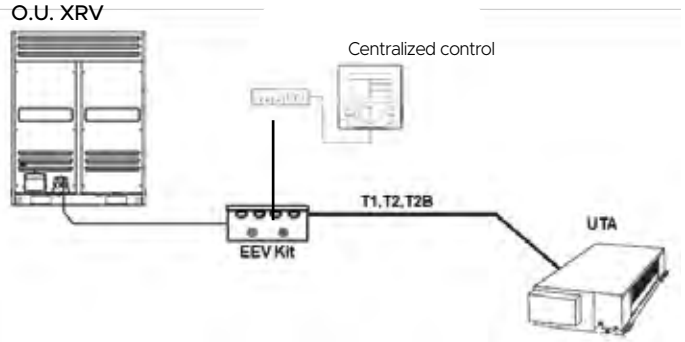
- Failure feedback function: error codes can be shown on the display when malfunctions occur.
  It is also possible to verify the set temperature.
- Maximum number of EEV-Kit that can be connected to an AHU: 4 (maximum reachable capacity 224 kW).
- Maximum distance between EEV Kits and AHU: 8 m.
  Kit can be connected with XRV systems with R410A.

EEV KIT

Technical data

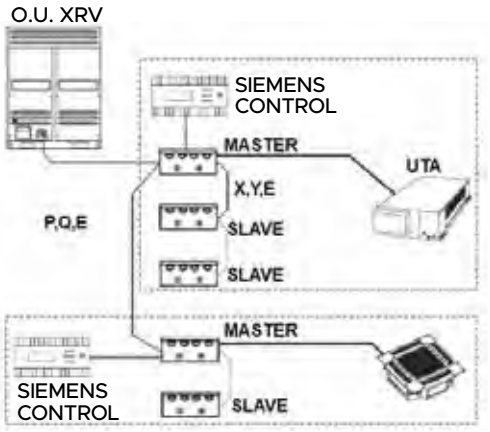
Model		HAHU 2-9 XRV-R	HAHU 9-20 XRV-R	HAHU 20-36 XRV-R	HAHU 36-56 XRV-R
Rated capacity	kW	2.20~9.00	9.00~20.00	20.00~36.00	36.00~56.00
Power supply	Ph-V-Hz	1-220~240V-50Hz			
H x L x D	mm	344 x 393 x 125			
Net weight	kg	5.7	5.7	5.8	6
In/out refrigerant connections	Ø mm (inch)	9.53 (3/8")	9.53 (3/8")	12.7 (1/2")	15.9 (5/8")
Serial control	type	Wired remote control			
Optional parts					
Third-party control		Siemens POL 638.70			
Centralized control		DHC-8-64-XRV-P			

Electrical connections diagram



Room temperature control occurs with the same logic as an XRV: comparing the temperature detected by the T1 sensor and the setting temperature Ts, it is possible to start or stop the outdoor unit, calculate the required thermal load and manage the refrigerant flow through the electronic expansion valve.

Master-slave connection logic



KEY:
MASTER: EEV KIT Master
SLAVE: EEV KIT Slave
P, Q, E: signal between EEV KIT Master - Outdoor unit XRV
X, Y, E: signal between EEV KIT Master - EEV KIT Slave

In the case of parallel connections of more than one EEV-KIT to service a AHU, the connection logic to be followed is that of Master-Slave.

EEV-KIT type selection

Model	HP	I.U. rated capacity (kW)
HAHU 2-9 XRV-R	0.8	Between 2.20 and 2.80 kW
	1	Between 2.80 and 3.60 kW
	1.2	Between 3.60 and 4.50 kW
	1.7	Between 4.50 and 5.60 kW
	2	Between 5.60 and 7.10 kW
	2.5	Between 7.10 and 8.00 kW
	3	Between 8.00 and 9.00 kW
HAHU 9-20 XRV-R	3.2	Between 9.00 and 11.20 kW
	4	Between 11.20 and 14.00 kW
	5	Between 14.00 and 18.00 kW
	6	Between 18.00 and 20.00 kW
HAHU 20-36 XRV-R	8	Between 20.00 and 25.00 kW
	10	Between 25.00 and 30.00 kW
	12	Between 30.00 and 36.00 kW
HAHU 36-56 XRV-R	14	Between 36.00 and 40.00 kW
	16	Between 40.00 and 45.00 kW
	18	Between 45.00 and 50.00 kW
	20	Between 50.00 and 56.00 kW

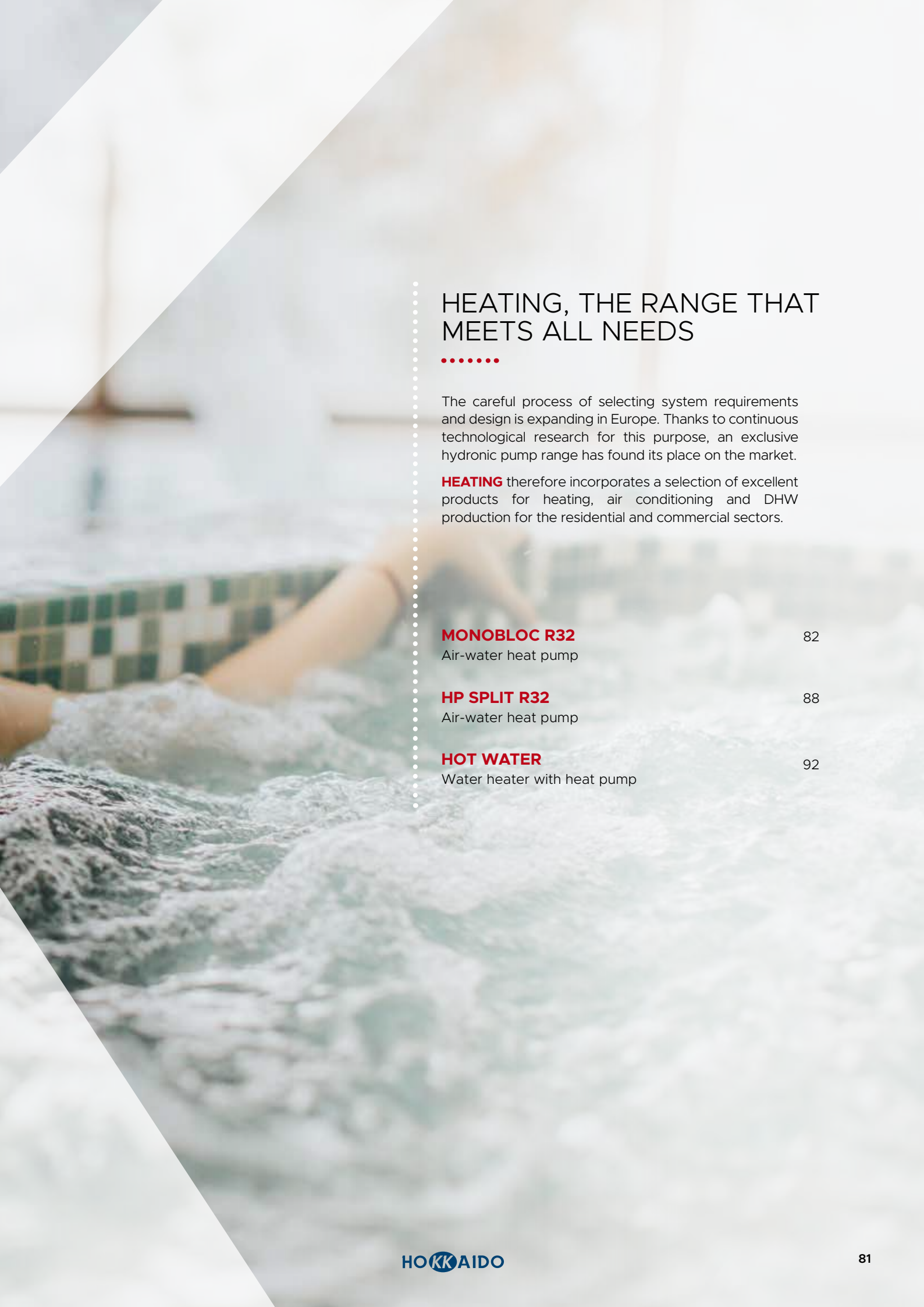
The choice of the quantities and capacity of the EEV KITs to be installed is related to the power of the AHU to which it must be connected.

Example

If the AHU has a capacity of 92 kW, 2 EEV-KITs can be installed:

- HAHU 20-36 XRV-R - setting capacity 12HP;
- HAHU 36-56 XRV-R - setting capacity 20HP.

HEATING



HEATING, THE RANGE THAT MEETS ALL NEEDS

The careful process of selecting system requirements and design is expanding in Europe. Thanks to continuous technological research for this purpose, an exclusive hydronic pump range has found its place on the market.

HEATING therefore incorporates a selection of excellent products for heating, air conditioning and DHW production for the residential and commercial sectors.

MONOBLOC R32

OUTDOOR UNITS

Single phase 4.65~8.60 kW
HCEWMS 500 Z
HCEWMS 700 Z
HCEWMS 900 Z

Single phase 12.30~16.30 kW
HCEWMS 1200 - 1400 - 1600 Z
Three-phase 12.30~16.30 kW
HCVWMS 1202 - 1402 - 1602 Z

Three-phase 18.00~30.10 kW
HCVWMS 1802 - 2202 Z
HCVWMS 2602- 3002 Z

DUAL STAGE COMPRESSOR

The dual stage compressor reduces any vibrations during rotation, effectively dampening noise.

CIRCULATOR

Circulation pump included.

BROAD OPERATING RANGE

COOLING
-5°/+46°
(outside temperature)

HEATING
-25°/+35°
(outside temperature)

DHW PRODUCTION
-25°/+43°
(outside temperature)

PRODUCT PLUSES

3 operating modes
Auto, cooling, heating.

Disinfect
Activation of the anti-legionella function.

Timer
Daily and weekly.

Silent mode
Setting of two sound dampening levels and two timers.

Holiday mode
Timer setting during a selected period.

Recirculation pump
Pump on and off settable using the timer.

MODBUS
Wired remote control connection to MODBUS systems.

WiFi
Remote connection via built-in WiFi.

MONOBLOC R32

4 OPERATING MODES

- COOLING
- HEATING
- DOMESTIC HOT WATER
- AUTOMATIC

3 COMBINED OPERATING MODES

HEATING + DHW operating mode

- COOLING + DHW
- HEATING + DHW
- AUTOMATIC + DHW

SYSTEM

Climatic curve management

The system lets the user set 2 curves for each thermal zone:

- climatic curve in heating mode;
- climatic curve in cooling mode.

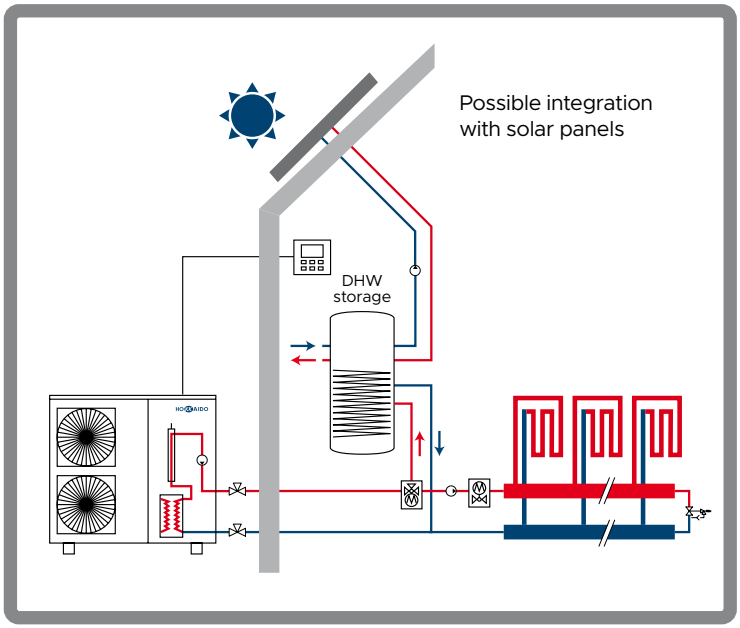
Up to 8 different climate curves can be selected for each mode, depending on the outside ambient temperature.

INSTALLATION FLEXIBILITY

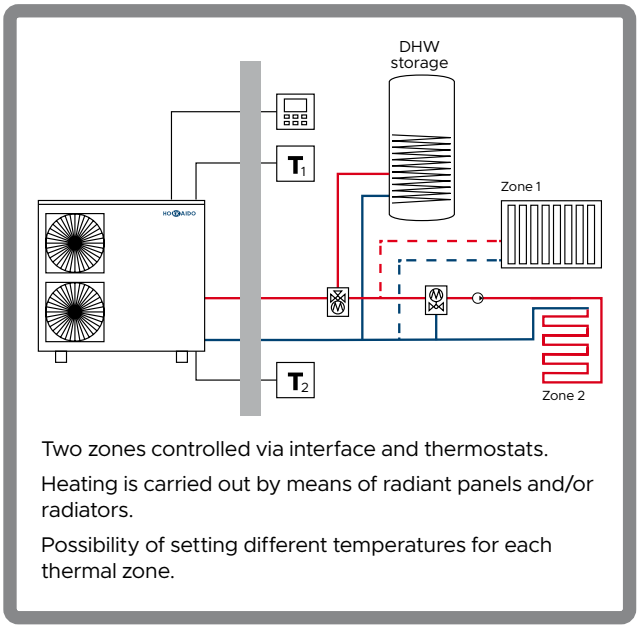
The monobloc in R32 offers extensive installation flexibility. Depending on the needs of the end user, the system lets you:

- heat and cool rooms with radiant floors, high efficiency radiators and/or fan coils;
- product domestic hot water;
- integrate the tank with thermal solar panels;
- set the maximum operating current.

Hydraulic connections diagram



Dual-zone system



Two zones controlled via interface and thermostats.

Heating is carried out by means of radiant panels and/or radiators.

Possibility of setting different temperatures for each thermal zone.

MONOBLOC R32

Single phase
4.65~8.60 kW

HCEWMS 500 Z
HCEWMS 700 Z
HCEWMS 900 Z

ENERGY EFFICIENCY CLASS

A+++

In heating mode with **35° C** delivery water temperature.

ENERGY EFFICIENCY CLASS

A++

In heating mode with **55° C** delivery water temperature.

Model				HCEWMS 500 Z	HCEWMS 700 Z	HCEWMS 900 Z
Heating	Rated power	A7//W35	kW	4.65	6.65	8.60
	Electrical absorption			0.93	1.35	1.87
	Performance coefficient		COP	5.00	4.93	4.60
	Rated power	A7/W45	kW	4.80	6.70	8.60
	Electrical absorption			1.33	1.88	2.50
	Performance coefficient		COP	3.61	3.56	3.44
	Seasonal energy efficiency (ηs)	35/55	%	176/127	176/127	177/126
	Energy efficiency class	35/55	-	A+++/A++	A+++/A++	A+++/A++
Cooling	Rated power	A35//W18	kW	4.60	6.45	8.00
	Electrical absorption			0.95	1.39	1.92
	Energy efficiency		EER	4.84	4.64	4.17
	Rated power	A35//W7	kW	4.85	6.30	7.95
	Electrical absorption			1.63	2.27	3.15
	Energy efficiency		EER	2.98	2.78	2.52
Operating limits	Outside air temperature	Heating	°C	-25~35		
		Cooling		-5~43		
		DHW		-25~43		
	Delivery water temperature	Heating	°C	25~60		
		Cooling	°C	5~25		
		DHW		40~60		
Refrigerant	Type (GWP)			R32 (675)		
	Quantity (tons CO2)		kg (t)	2.0 (1.350)		
	Control system			Electronic expansion valve		
Type of compressor				Twin Rotary - DC Inverter		
Internal circulator	Model			WILO Yonos PARA RS 15/6 RKC		
Expansion tank	Volume		L	2		
	Pre-load		bar	1.5		
Hydraulic connections	Water inlet/outlet		Inches	1"M	1"M	1"M
Electrical data	Power supply		Ph-V-Hz	1ph-220~240V-50Hz		
	Maximum current		A	14.10		
	Power cable		type	3x4 mm²		
Control	Standard			Wire remote control		
Sound pressure level at 1 m		Max	dB(A)	48.8	52.3	54.5
Sound power level		Max	dB(A)	61	64	67
Dimensions		LxDxH	mm	1210x402x945		
Net weight			kg	92		

NOTE: The data contained above refer to the following standards: EN14511:2013; EN14825:2013; EN50564:2011; EN12102:2011; (EU)No:811:2013; (EU)No:813:2013; OJ 2014/C 207/02:2014.

MONOBLOC R32

Single phase 12.30~16.30 kW
HCEWMS 1200 - 1400 - 1600 Z
Three-phase 12.30~16.30 kW
HCVWMS 1202 - 1402 - 1602 Z

ENERGY EFFICIENCY CLASS
A++
In heating mode with **35° C** delivery water temperature.

ENERGY EFFICIENCY CLASS
A++
In heating mode with **55° C** delivery water temperature.

Model				HCEWMS 1200 Z	HCEWMS 1400 Z	HCEWMS 1600 Z	HCVWMS 1202 Z	HCVWMS 1402 Z	HCVWMS 1602 Z
Heating	Rated power	A7//W35	kW	12.30	14.10	16.30	12.30	14.10	16.30
	Electrical absorption			2.56	3.07	3.66	2.54	3.05	3.63
	Performance coefficient		COP	4.80	4.59	4.45	4.84	4.62	4.49
	Rated power	A7/W45	kW	12.40	14.10	16.20	12.40	14.10	16.20
	Electrical absorption			3.52	4.06	4.72	3.45	3.99	4.70
	Performance coefficient		COP	3.52	3.47	3.43	3.59	3.53	3.45
	Seasonal energy efficiency (ηs)	35/55	%	169/126	168/128	169/128	169/126	168/128	169/128
	Energy efficiency class	35/55	-	A++/A++	A++/A++	A++/A++	A++/A++	A++/A++	A++/A++
Cooling	Rated power	A35//W18	kW	12.20	14.00	15.50	12.20	14.00	15.50
	Electrical absorption			2.55	3.10	3.64	2.53	3.11	3.63
	Energy efficiency		EER	4.78	4.52	4.26	4.82	4.50	4.27
	Rated power	A35//W7	kW	10.90	12.90	13.80	10.90	12.90	13.80
	Electrical absorption			3.74	4.64	5.21	3.72	4.62	5.19
	Energy efficiency		EER	2.91	2.78	2.65	2.93	2.79	2.66
Operating limits	Outside air temperature	Heating	°C	-25~35					
		Cooling		-5~46					
		DHW		-25~43					
	Delivery water temperature	Heating	°C	25~60					
		Cooling	°C	5~25					
		DHW		40~60					
Refrigerant	Type (GWP)			R32 (675)					
	Quantity (tons CO2)		kg (t)	2.8 (1.890)					
	Control system			Electronic expansion valve					
Type of compressor				Twin Rotary - DC Inverter					
Internal circulator	Model			WILO Yonos PARA RS 25/7.5 RKC					
Expansion tank	Volume		L	5					
	Pre-load		bar	1.5					
Hydraulic connections	Water inlet/outlet		Inches	1-1/4"M	1-1/4"M	1-1/4"M	1-1/4"M	1-1/4"M	1-1/4"M
Electrical data	Power supply		Ph-V-Hz	1ph-230V-50Hz			3ph-400V-50Hz		
	Maximum current		A	26.80			11.00		
	Power cable		type	3x6 mm²			5x2.5 mm²		
Control	Standard			Wire remote control					
Sound pressure level at 1 m		Max	dB(A)	57.6	58	58.1	57.2	58.1	59
Sound power level		Max	dB(A)	68	71	71	68	71	71
Dimensions		LxDxH	mm	1404x405x1414			1404x405x1414		
Net weight			kg	158			172		

NOTE: The data contained above refer to the following standards: EN14511:2013; EN14825:2013; EN50564:2011; EN12102:2011; (EU)No:811:2013; (EU)No:813:2013; OJ 2014/C 207/02:2014.

MONOBLOC R32

Three-phase
18.00~30.10 kW

HCVWMS 1802 Z
HCVWMS 2202 Z
HCVWMS 2602 Z
HCVWMS 3002 Z

ENERGY EFFICIENCY CLASS

A+++

In heating mode with **35° C** delivery water temperature (models from 18.00 to 26.00 kW).

ENERGY EFFICIENCY CLASS

A++

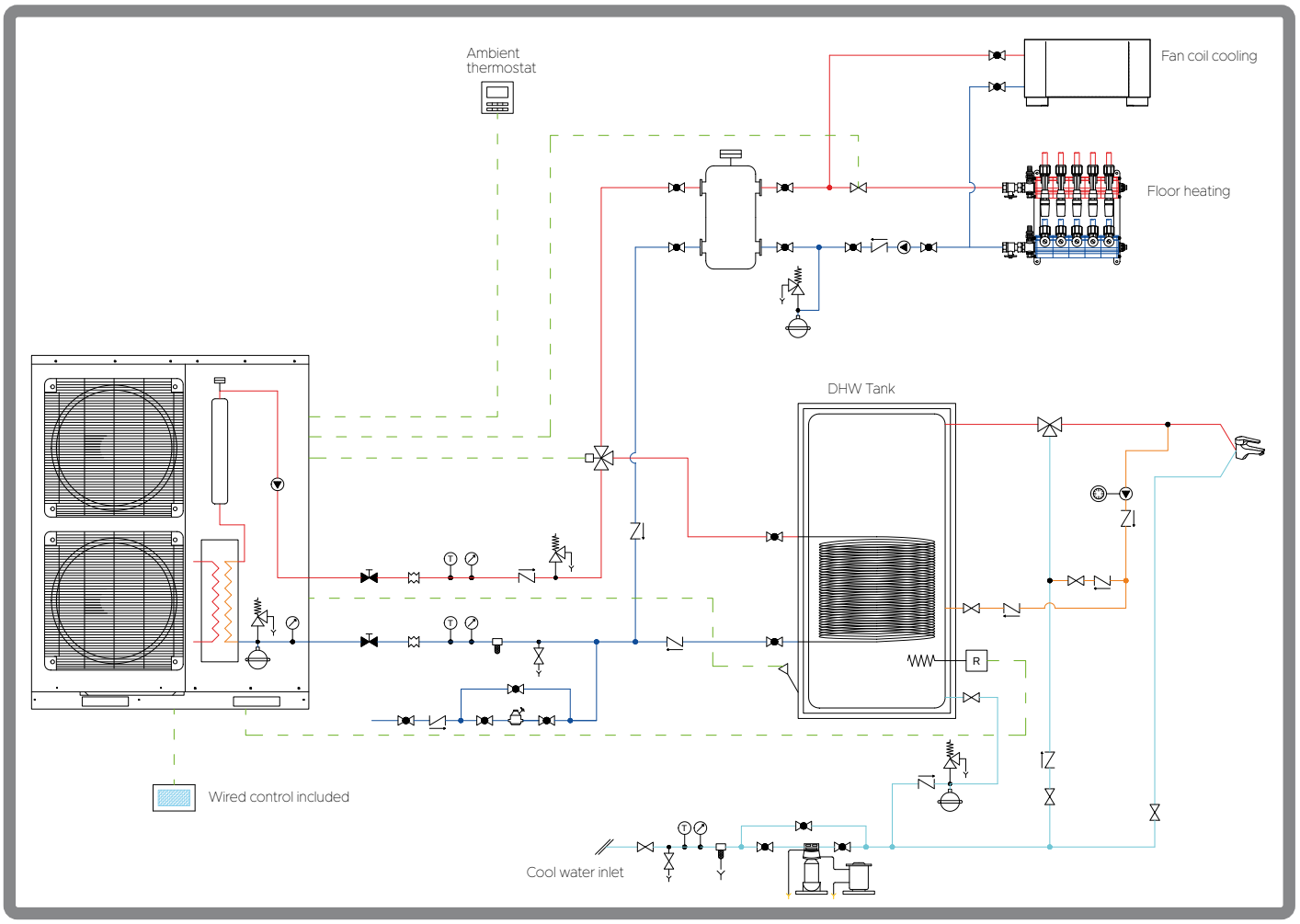
In heating mode with **55° C** delivery water temperature (models from 18.00 to 22.00 kW).

Model				HCVWMS 1802 Z	HCVWMS 2202 Z	HCVWMS 2602 Z	HCVWMS 3002 Z
Heating	Rated power	A7//W35	kW	18.00	22.00	26.00	30.10
	Electrical absorption			3.83	5.00	6.37	7.70
	Performance coefficient		COP	4.70	4.40	4.08	3.91
	Rated power	A7/W45	kW	18.00	22.00	26.00	30.00
	Electrical absorption			5.143	6.471	8.387	10.345
	Performance coefficient		COP	3.50	3.40	3.10	2.90
	Seasonal energy efficiency (ηs)	35/55	%	171.1/121.2	168.2/124.2	164.2/122.4	156.2/122.6
	Energy efficiency class	35/55	-	A+++/A++	A+++/A++	A+++/A+	A++/A+
Cooling	Rated power	A35//W18	kW	18.50	23.00	27.00	31.00
	Electrical absorption			3.895	5.00	6.279	7.75
	Energy efficiency		EER	4.75	4.60	4.30	4.00
	Rated power	A35//W7	kW	17.00	21.00	26.00	29.50
	Electrical absorption			5.574	7.119	9.63	11.569
	Energy efficiency		EER	3.05	2.95	2.70	2.55
Operating limits	Outside air temperature	Heating	℃	-25~35			
		Cooling		-5~46			
		DHW		-25~43			
	Delivery water temperature	Heating	℃	25~60			
		Cooling	℃	5~25			
		DHW		40~60			
Refrigerant	Type (GWP)			R32 (675)			
	Quantity (tons CO2)		kg (t)	5 (3.375)			
	Control system			Electronic expansion valve			
Type of compressor				Twin Rotary - DC Inverter			
Internal circulator	Model			WILO Yonos PARA RS 25/7.5 RKC			
Expansion tank	Volume		L	8			
	Pre-load		bar	1.0			
Hydraulic connections	Water inlet/outlet		Inches	1-1/4" BSP	1-1/4" BSP	1-1/4" BSP	1-1/4" BSP
Electrical data	Power supply		Ph-V-Hz	3ph-400V-50Hz			
	Maximum current		A	16.80	19.60	21.60	22.80
	Power cable		type	5x6 mm²			
Control	Standard			Wire remote control			
Sound pressure level at 1 m		Max	dB(A)	57.6	59.8	61.5	63.5
Sound power level		Max	dB(A)	71	73	75	77
Dimensions		LxDxH	mm	1129x440x1558	1129x440x1558	1129x440x1558	1129x440x1558
Net weight			kg	177	177	177	177

NOTE: The data contained above refer to the following standards: EN14511:2013; EN14825:2013; EN50564:2011; EN12102:2011; (EU)No:811:2013; (EU)No:813:2013; OJ 2014/C 207/02:2014.

MONOBLOC R32

SYSTEM DIAGRAM



HP SPLIT R32

OUTDOOR UNITS

Single phase
4.20~6.50 kW

HCEMS 400 Z
HCEMS 600 Z

Single phase
8.40~10.00 kW

HCEMS 800 Z
HCEMS 1000 Z

INDOOR UNIT

Single phase
HHNMS 4-6 Z
HHNMS 8-10 Z

TANK

WT-XL-DW1-200~500C
WT-AP-DW1-300~500C

COP 5.15 (4.20 KW)

CLASS ENERGY RATING A+++/A++

WIDE RANGE OF AMBIENT TEMPERATURE

COOLING
-5°/+43°
(outside temperature)

HEATING
-25°/+35°
(outside temperature)

DHW PRODUCTION
-25°/+43°
(outside temperature)

WIDE RANGE OF WATER TEMPERATURE

COOLING
+7°/+30°

HEATING
+25°/+60°

DHW PRODUCTION
+40°/+60°

Eco mode
Energy saving function.

Disinfect
Activation of the anti-legionella function.

Timer
Daily and weekly.

Silent mode
Setting of two sound dampening levels and two timers.

Holiday mode
Timer setting during a selected period.

WiFi
Remote connection via built-in WiFi.

MODBUS
Wired remote control connection to MODBUS systems.

HP SPLIT R32

4 OPERATING MODES

- COOLING
- HEATING
- DOMESTIC HOT WATER
- AUTOMATIC

3 COMBINED OPERATING MODES

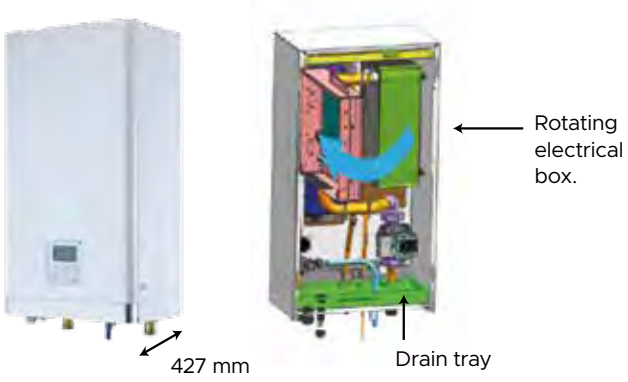
HEATING + DHW operating mode

- COOLING + DHW
- HEATING + DHW
- AUTOMATIC + DHW

SIMPLE INSTALLATION AND MAINTENANCE

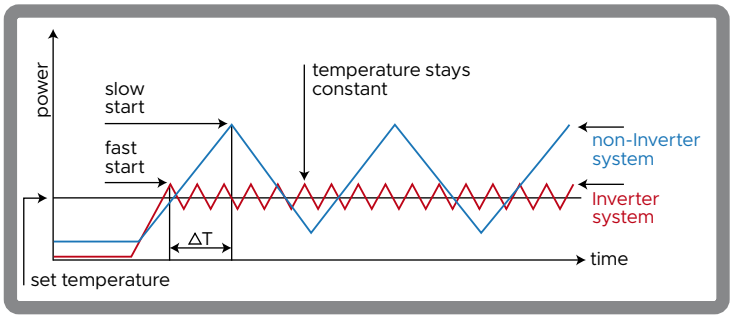
Extremely compact hydronic model (427 mm deep), suitable for replacing existing boilers.

The electrical box can be rotated to permit easy component installation and maintenance.



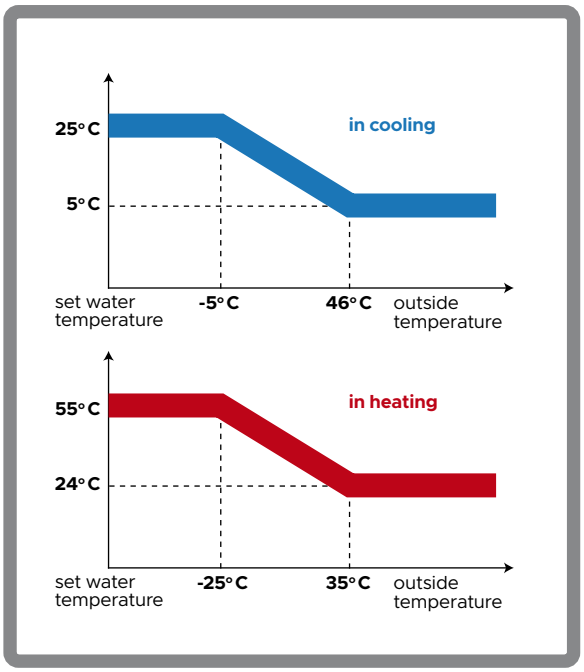
CONSTANT WATER TEMPERATURE

Compressor rotation is precise and ensures that the water temperature is kept constant around a set value.



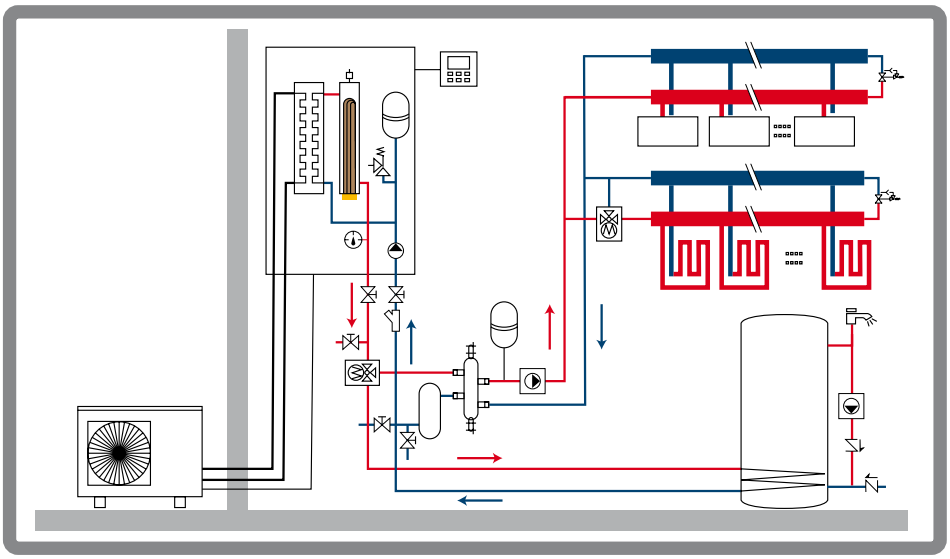
32 CLIMATIC CURVES

Absolute comfort with a climate curve that adapts to the climate. There are 32 pre-set climate curves to choose from, plus one customisable curve. Once the curve is selected, the unit sets the outlet water temperature according to the outside temperature.



HP SPLIT R32

SYSTEM DIAGRAM



Outdoor unit model				HCEMS 400 Z	HCEMS 600 Z	HCEMS 800 Z	HCEMS 1000 Z
Heating	Rated power	A7//W35	kW	4.20	6.50	8.40	10.00
	Electrical absorption			0.82	1.35	1.73	2.15
	Performance coefficient		COP	5.15	4.85	4.85	4.65
	Rated power	A7/W45	kW	4.20	6.35	8.05	9.85
	Electrical absorption			1.15	1.74	2.16	2.72
	Performance coefficient		COP	3.65	3.64	3.73	3.65
	Rated power	A7/W55	kW	4.10	5.75	7.50	9.30
	Electrical absorption			1.44	1.98	2.49	3.25
	Performance coefficient		COP	2.85	2.90	3.01	2.86
	Seasonal energy efficiency (ηs)	35/55	%	187.5/130.6	187.5/130.6	188.4/128	188.4/128
	Energy efficiency class	35/55	-	A+++/A++	A+++/A++	A+++/A++	A+++/A++
Cooling	Rated power	A35//W18	kW	4.30	6.45	8.35	10.20
	Electrical absorption			0.77	1.32	1.79	2.40
	Energy efficiency		EER	5.60	4.88	4.67	4.25
	Rated power	A35//W7	kW	4.50	6.50	7.38	8.15
	Electrical absorption			1.36	2.20	2.44	2.76
	Energy efficiency		EER	3.32	2.95	3.02	2.95
Operating limits	Outside air temperature	Heating	°C	-25~35			
		Cooling		-5~43			
		DHW		-25~43			
Electrical data	Power supply		Ph/V/Hz	1ph-220~240V-50Hz	1ph-220~240V-50Hz	1ph-220~240V-50Hz	1ph-220~240V-50Hz
	Maximum current		A	11.30	11.30	16.70	16.70
	Power cable		type	3x2.5 mm²	3x2.5 mm²	3x4 mm²	3x4 mm²
Refrigerant circuit	Refrigerant (GWP)			R32 (675)	R32 (675)	R32 (675)	R32 (675)
	Pre-charge quantity (tons CO2)		kg (t)	1.55 (1.046)	1.55 (1.046)	1.65 (1.114)	1.65 (1.114)
	Diameter of refrigerant piping on liquid/gas		mm (inches)	ø6.35(1/4") - ø15.88(5/8")		ø9.52(3/8") - ø15.88(5/8")	
	Max./Min. splitting length		m	30/2	30/2	30/2	30/2
	Max height difference O.U.-I.U./I.U.-O.U.		m	20/15	20/15	20/15	20/15
	Splitting length without additional load		m	15	15	15	15
	Additional load		g/m	20	20	38	38
Compressor	Type			Twin Rotary - DC Inverter	Twin Rotary - DC Inverter	Twin Rotary - DC Inverter	Twin Rotary - DC Inverter
Sound pressure level at 1 m (maximum value detected in tests)			dB(A)	46.5	49.5	49.3	52.4
Sound power level (maximum value detected in tests)			dB(A)	61	62	63	65
Fan air flow			m^3/h	3300	3300	5000	5000
Dimensions		LxDxH	mm	960x380x860	960x380x860	1075x395x965	1075x395x965
Net		Weight	kg	57	57	67	67
Indoor unit model				HHNMS 4-6 Z		HHNMS 8-10 Z	
Operating limits	Delivery water temperature	Heating	°C	25~60		25~60	
		Cooling		7~30		7~30	
		DHW		40~60		40~60	
Electrical data	Power supply		Ph/V/Hz	1ph-220~240V-50Hz		1ph-220~240V-50Hz	
	Electrical integration		kW	Not present		Not present	
	Maximum current		A	0.40		0.40	
	Power cable		type	3x1.5 mm²		3x1.5 mm²	
Expansion tank	Volume		L	5		5	
	Pre-load		bar	1.5		1.5	
Circulation pump	Flow rate		L/h	600~1250		600~2100	
	Max static pressure		m	8.5		8.5	
Water/freon exchanger			type	Plate heat exchanger		Plate heat exchanger	
Maximum operating pressure			bar	3.0		3.0	
Hydraulic connections	Water inlet/outlet		Inches	ø1" BSP		ø1" BSP	
Sound power level			dB(A)	43		43	
Dimensions		LxDxH	mm	400x427x850		400x427x850	
Net		Weight	kg	47		47	
Wired control	Standard (included)			DHWZ CEM-Z	DHWZ CEM-Z	DHWZ CEM-Z	DHWZ CEM-Z

NOTE: The data contained above refer to the following standards: EN14511:2013; EN14825:2013; EN50564:2011; EN12102:2011; (EU)No:811:2013; (EU)No:813:2013; OJ 2014/C 207/02:2014.

HOT WATER

Water heater with heat pump

200/300/500 litre "Ducted" monobloc series

No integration with solar thermal

GAS R134A

EN 16147 certification from an TUV Sud accredited.

up to 500LT capacity

Stainless steel tank

Anti-legionella cycle

ErP Ready

HWMBS 2201 A
HWMBS 2301 A
HWMBS 4501 A

Water heater with heat pump, monobloc on base.

R134A | Refrigerant gas.

Stainless steel tank.

60° C | Hot water with the compressor only.

COP 2.64* | For 200 litre model.

COP 2.69* | For 300 litre model.

COP 2.66* | For 500 litre model.

Anti-legionella cycle | Can be customized for different needs or can be excluded.

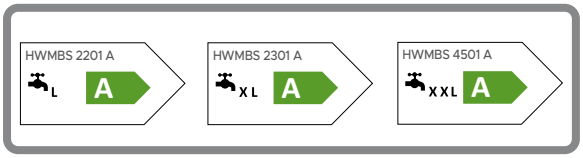
Innovative soft touch control panel to facilitate commissioning, use and maintenance

* In accordance with EN 16147

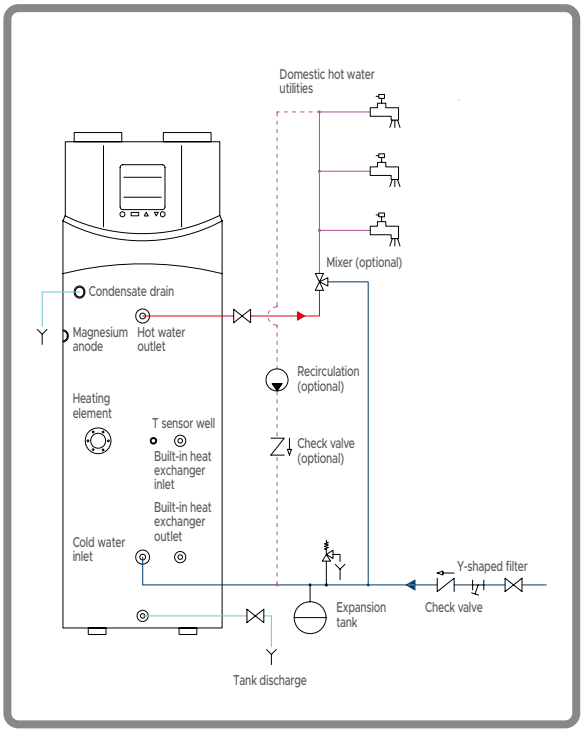
Model			HWMBS 2201 A	HWMBS 2301 A	HWMBS 4501 A
Tank volume		L	200	300	500
Solar integration coil (stainless steel)		m2	not present	not present	not present
Rated thermal power[1]		W	2020	2020	3800
Rated power consumption[1]		W	486	486	945
Rated hot water production capacity[1]		L/h	43.2	43.2	81.7
COP (rated)[1]		W/W	4.16	4.16	4.02
COP_{DHW}[2]		W/W	2.64	2.69	2.66
Test cycle profile[2]		-	L	XL	XXL
Volume of hot water at 40°C[2]		L	251	380	594
Energy Efficiency Class[3]		-	A	A	A
IP Degree of protection			IPX1	IPX1	IPX1
Hot water T. adjustment interval		°C	10~70 (50 default)	10~70 (50 default)	10~70 (50 default)
Maximum DHW temperature only compressor		°C	60	60	60
Electrical data	Power	Ph-V-Hz	1-220~240V-50Hz		
	Integrative heating element	W	1500		
	Maximum current (including heating element)	A	10.00	10.00	13.00
Refrigerant	Type (GWP)	-	R134a (1430)	R134a (1430)	R134a (1430)
	Quantity	kg	0.8	0.8	1.6
	Tons of CO2 equivalent	t	1.144	1.144	2.280
Compressor		-	Rotary ON/OFF		
Dimensions	Unit ø x H	mm	560 x 1755	640 x 1850	700 x 2230
	Net weight	kg	90	100	117
Sound power level		dB(A)	55	56	59
Sound pressure level at 2 m		dB(A)	46	46	48
Tank	Tank material	-	Stainless steel 304		
	DHW hydraulic connections	(" - DN)	1" - DN25	1" - DN25	1" - DN25
	Hydraulic solar coil connections	(" - DN)	-	-	-
	Titanium anode with alarm led	-	G3/4" - ø3x420	G3/4" - ø3x420	G3/4" - ø3x480
	Maximum operating pressure	bar	10	10	10
Suctioned air	Operating range	°C	-5~+43		
	Rated flow (not ducted)	m3/h	400	400	800
	Air flow (ducted)	Pa	60	60	60
	Air duct - Diameter	mm	177	177	177
	Air duct - Length	m	6	6	6

1. Conditions: suctioned air 20° C DB (15° C WB). Inlet water 15° C / outlet 55° C. 2 Test according to EN16147; aria 7° C. 3 Directive 2009/125/ CE - ERP EU n. 814/2013 (TUV Sud certification for all models). 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 1430. If 1 kg of this refrigerant fluid were released into the atmosphere, therefore, the impact on global warming would be 1430 times higher than 1 kg of CO2, over a period of 100 years. Under no circumstances should the user try to intervene on the refrigerant circuit or disassemble the product. Always contact qualified personnel if necessary.

ENERGY EFFICIENCY CLASS



HYDRAULIC CONNECTIONS DIAGRAM



HOT WATER

Water heater with heat pump

200/300/500 litre "Ducted" monobloc series

Possibility of integration with solar thermal

GAS R134A

EN 16147 certification from an TUV Sud accredited.

up to 500LT capacity

Stainless steel tank

Anti-legionella cycle

ErP Ready

HWMBS 2201 HEA
HWMBS 2301 HEA
HWMBS 4501 HEA

Water heater with heat pump, monobloc on base with the possibility of integration with solar thermal

R134A | Refrigerant gas.

Stainless steel tank.

60° C | Hot water with the compressor only.

COP 2.61* | For 200 litre model.

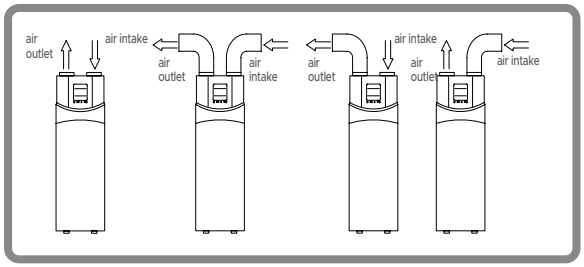
COP 2.68* | For 300 litre model.

COP 2.66* | For 500 litre model.

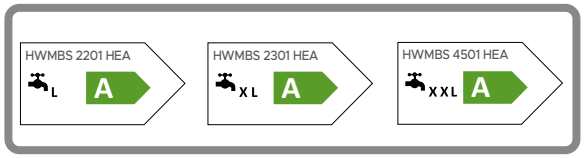
Anti-legionella cycle | Can be customized for different needs or can be excluded.

Innovative soft touch control panel to facilitate commissioning, use and maintenance

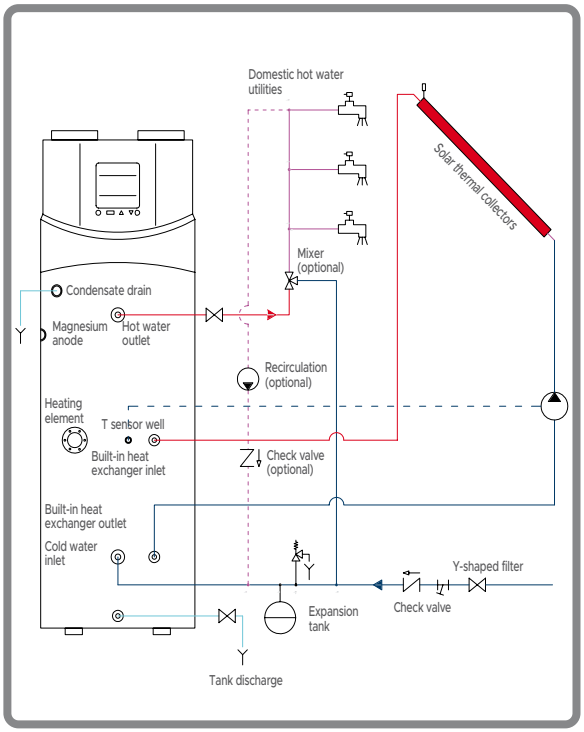
* In accordance with EN 16147



ENERGY EFFICIENCY CLASS



HYDRAULIC CONNECTIONS DIAGRAM



Model			HWMBS 2201 HEA	HWMBS 2301 HEA	HWMBS 4501 HEA
Tank volume		L	200	300	500
Solar integration coil (stainless steel)		m²	1.0	1.0	1.0
Rated thermal power[1]		W	2040	2040	3800
Rated power consumption[1]		W	465	460	945
Rated hot water production capacity[1]		L/h	43.5	43.5	82.0
COP (rated)[1]		W/W	4.39	4.43	4.02
COP_{DHW}[2]		W/W	2.61	2.68	2.66
Test cycle profile[2]		-	L	XL	XXL
Volume of hot water at 40°C[2]		L	250	390	594
Energy Efficiency Class[3]		-	A	A	A
IP Degree of protection			IPX1	IPX1	IPX1
Hot water T. adjustment interval		°C	10~70 (50 default)	10~70 (50 default)	10~70 (50 default)
Maximum DHW temperature only compressor		°C	60	60	60
Electrical data	Power	Ph-V-Hz	1-220~240V-50Hz		
	Integrative heating element	W	1500		
	Maximum current (including heating element)	A	10.00	10.00	13.00
Refrigerant	Type (GWP)	-	R134a (1430)	R134a (1430)	R134a (1430)
	Quantity	kg	1	1	1.6
	Tons of CO2 equivalent	t	1.430	1.430	2.280
Compressor		-	Rotary ON/OFF		
Dimensions	Unit ø x H	mm	560 x 1755	640 x 1850	700 x 2230
	Net weight	kg	95	105	122
Sound power level		dB(A)	58.2	58.2	59.2
Sound pressure level at 2 m		dB(A)	37.8	37.8	37.2
Tank	Tank material	-	Stainless steel 304		
	DHW hydraulic connections	(" - DN)	1" - DN25	1" - DN25	1" - DN25
	Hydraulic solar coil connections	(" - DN)	3/4" - DN20	3/4" - DN20	3/4" - DN20
	Titanium anode with alarm led	-	G3/4" - ø3x420	G3/4" - ø3x420	G3/4" - ø3x480
	Maximum operating pressure	bar	10	10	10
Suctioned air	Operating range	°C	-5~+43		
	Rated flow (not ducted)	m³/h	400	400	800
	Air flow (ducted)	Pa	60	60	60
	Air duct - Diameter	mm	177	177	177
	Air duct - Length	m	6	6	6

1. Conditions: suctioned air 20° C DB (15° C WB). Inlet water 15° C / outlet 55° C. 2 Test according to EN16147; aria 7° C. 3 Directive 2009/125/ CE - ERP EU n. 814/2013 (TUV Sud certification for all models). 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 1430. If 1 kg of this refrigerant fluid were released into the atmosphere, therefore, the impact on global warming would be 1430 times higher than 1 kg of CO2, over a period of 100 years. Under no circumstances should the user try to intervene on the refrigerant circuit or disassemble the product. Always contact qualified personnel if necessary.

CONTROLS

CONTROLS

INDIVIDUAL RESIDENTIAL AND COMMERCIAL CONTROLS

R32
ARASHI

- On/off.
- Mode: cooling, heating, dehumidifying, ventilation, automatic, eco.
- Adjustable fan speed: low, medium-low, medium, medium-high, high or automatic.
- Vertical and horizontal louver swing.
- Sleep.
- Turbo.
- Silence Mode.
- Child lock.
- Follow Me function.
- On/off timer.
- Light Ventilation "Gentle Wind".
- Self Clean.
- Timer.
- "Health" air purification.

R32
KAITEKI

- On/off.
- Mode: cooling, heating, dehumidifying, ventilation, automatic, eco.
- Adjustable fan speed: low, medium-low, medium, medium-high, high or automatic.
- Vertical louver swing.
- Sleep.
- Turbo.
- Silence Mode.
- Child lock.
- Follow Me function.
- On/off timer.
- Self Clean.
- Timer.

R32
INAZAMI

- On/off.
- Mode: cooling, heating, dehumidifying, ventilation, automatic.
- Adjustable fan speed: 1~100%.
- Vertical and horizontal louver swing.
- Sleep.
- Turbo.
- LED function.
- Silence Mode.
- FP mode.
- Follow Me function.
- On/off timer.
- Breeze Away.
- Eco/Gear.
- Fresh.

R32
V-DESIGN PLUS

- On/off.
- Mode: cooling, heating, dehumidifying, ventilation, automatic.
- Fan speed: low, medium, high or automatic.
- Vertical louver swing.
- Sleep.
- Turbo.
- LED function.
- Eco function.
- Follow Me function.
- On/off timer.
- Self Clean.

R32
ACTIVE LINE

- On/off.
- Mode: cooling, heating, dehumidifying, ventilation, automatic.
- Fan speed: low, medium, high or automatic.
- Vertical louver swing.
- Direct function.
- Sleep.
- Turbo.
- LED function.
- Silence Mode.
- FP Mode.
- Follow Me function.
- On/off timer.
- Self Clean.

R32
compact cassette 60x60
slim cassette 84x84
floor/ceiling

- On/off.
- Mode: cooling, heating, dehumidifying, ventilation, automatic.
- Fan speed: low, medium, high or automatic.
- Vertical and horizontal louver swing.
- Sleep.
- Turbo.
- LED function.
- Follow Me function.
- On/off timer.
- Self Clean.
- Shortcut function.

INDIVIDUAL RESIDENTIAL AND COMMERCIAL CONTROLS

R32

medium static pressure duct

- On/off.
- Mode: cooling, heating, dehumidifying, ventilation, automatic.
- Clock and timer setting.
- Clock and On/off timer.
- Vertical and horizontal swing (on some models).
- Fan speed: low, medium, high or automatic.
- Weekly timer.
- Follow Me function.
- Child lock.
- LCD display.
- Infrared remote control (on some models).
- Lifting panel (on some models).

OPTIONAL INDIVIDUAL COMMERCIAL CONTROLS

DHW-WT-ZA

Compact and slim cassette, ceiling/floor

- On/off.
- Mode: cooling, heating, dehumidifying, ventilation, automatic.
- Clock and timer setting.
- Clock and On/off timer.
- Automatic air flow test.
- Independent louver control.
- Fan speed: low, medium, high or automatic.
- Temperature limit setting.
- Weekly timer.
- Turbo.
- Follow Me function.
- Key lock.
- Child lock.
- ESP setting.
- Error detection.
- Auto-restart.

INDIVIDUAL XRV CONTROLS

DHIR-5-6-XRV-K-P

- On/off.
- Mode: cooling, heating, dehumidifying, ventilation, automatic.
- Horizontal louvre swing (only active for floor/ceiling I.U.).
- Vertical louver swing.
- Reset.
- Key lock.
- Fan speed: low, medium, high or automatic.
- Clock and On/off timer.
- Eco function.

DHW-5-6-XRV-P

- On/off.
- Mode: cooling, heating, dehumidifying, ventilation, automatic.
- Vertical louver swing.
- Silent mode.
- Reset.
- Key lock.
- Fan speed: low, medium, high or automatic.
- Clock and On/off timer.
- Eco function.
- Filter cleaning indicator.

GROUP XRV CONTROLS

DHWT-16-XRV-P

- On/off.
- Mode: cooling, heating, dehumidifying, ventilation, automatic.
- Vertical louver swing.
- Silent mode.
- Reset.
- Key lock.
- Fan speed: low, medium, high or automatic.
- Clock and On/off timer.
- Weekly timer.
- Eco function.
- Reminder of filter cleaning.
- Group control up to 16 I.U.

CENTALIZED XRV CONTROLS

DHC-8-64-XRV-P

- On/off.
- Mode: cooling, heating, dehumidifying, ventilation, automatic.
- Vertical louver swing.
- Silent mode.
- Reset.
- Key lock.
- Fan speed: low, medium, high or automatic.
- Clock and On/off timer.
- Weekly timer up to maximum 20 programs.
- Holiday mode.
- Eco function.
- Error detection.
- Manages up to 20 groups.
- Report export via USB.

DHC-48-364-XRV-P

- On/off.
- Mode: cooling, heating, dehumidifying, ventilation, automatic.
- Vertical louver swing.
- Silent mode.
- Reset.
- Key lock.
- Fan speed: low, medium, high or automatic.
- Clock and On/off timer.
- Weekly timer up to maximum 20 programs.
- Holiday mode.
- Eco function.
- Error detection.
- Manages up to a 48 groups and 384 I.U.
- Report export via USB.
- Consumption analysis.

INDIVIDUAL SIMPLIFIED XRV CONTROLS

DTWS 4 IHXR Compact

- On-off.
- Mode: cooling, heating, dehumidifying, ventilation, automatic.
- Clock and timer setting.
- Positioning of motorized louvres.
- Fan speed: low, medium, high or automatic.
- Reminder of filter cleaning.
- Wireless signal receiver.
- Key lock.
- Eco function.
- Follow Me function.

DTW IHXR Simply

- On-off.
- Mode: cooling, heating, dehumidifying, ventilation, automatic.
- Fan speed: low, medium, high or automatic.
- Reminder of filter cleaning.
- Wireless signal receiver.
- Key lock.
- Eco function.
- Follow Me function.
- Button 26° C.

OPTIONAL ACCESSORIES

DTA-XRV-P-I
Three-phase O.U. XRV

- Power consumption detector.
- Digital ammeter for measuring the electrical consumptions of the XRV outdoor units.
- Accessory can only be integrated with centralizer DHC-48-384-XRV-P.

INTERFACES FOR BMS PROTOCOLS

DHMOD1-XRV-I
Modbus

- Connects up to 64 indoor units and 4 outdoor units.
- Modbus communication protocol.

DHLON1-XRV-I
Lonworks

- Connects up to 64 indoor units and 4 outdoor units.
- Lonworks communication protocol.

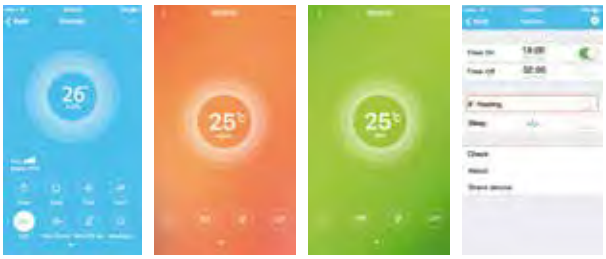
DHBAC1-XRV-I
Bacnet Gateway

- Connects up to 64 indoor units and 4 outdoor units.
- Bacnet communication protocol.

HOKKAIDO WIFI

Wi-Fi HKM-WIFI and HKM-WIFI-TB controls

Some examples of screens from iOs devices



All your main air conditioning settings right from your smartphone

Hokkaido HKM-WIFI and HKM-WIFI-TB modules for remote control access to your air conditioner via an app that can be downloaded to a smartphone.

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

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

An intelligent app that controls comfort and energy savings that benefits your energy bill.

Home air conditioning control, even away from home

The app is available for iOS and Android devices. You can download it for free from the Apple Store and the Play Store.

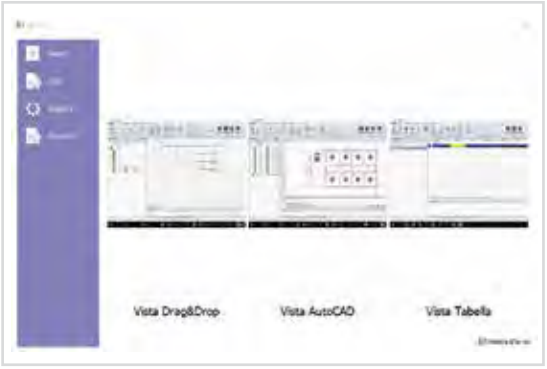
Main HOKKAIDO WiFi module functions

- Access security with account protected by credentials (UserID & PWD).
- Unique identification of each individual unit that you want to check.
- On and off control.
- Operating mode selection.
- Set temperature adjustment.
- Fan speed.
- Daily and weekly timer.
- 8° C heating activation (function that prevents the room temperature from falling below 8° C).
- Silent mode.

DESIGN SOFTWARE FOR XRV SYSTEMS

Innovative graphic interface

- Setting the initial project conditions such as customer information, designer, unit type, operating conditions and all relevant parameters for selection.
- Indoor and outdoor unit selection: in automatic selection mode, the software suggests models that meet the design conditions.
- Branch selection.
- Choice of controls and electrical system configuration.
- Project saving and data report generation.
- Automatic indication of the unit connection path and wiring diagram for quick system installation.
- Machines list report extrapolation in Word, Excel or pdf format with technical data, piping diameter and length.
- Extrapolation in dwg format of the refrigerant and electrical diagram.



OPTIONAL CONTROL COMPATIBILITY

Controls	INDOOR UNITS							
	RAC wall			PAC Hybrid				XRV Systems
	Active Line	V-Design Plus	Inazami	HTFU	HTBI	HUCI/HUCU	HSFI/HSFU	XRV-P
Wire control								
DHW-WT-ZA				●	●		●	
DHW-5-6-XRV-P								●
DHIR-5-6-XRV-K-P								●
DTWS 4 IHXR Compact								●
DTW IHXR Simply								●
Centralized control								
DHC-8-64-XRV-P								●
DHC-48-384-XRV-P								●
DHWT-16-XRV-P								●
WiFi Module								
HKM-Wi-Fi	●	●	●					
HKM-WiFi LCAC				●		●	●	
HKM-WiFi-TB					●			

APPENDIX

Detail of the control functions

- **Sleep**: improves comfort during night-time operation, through reductions (in heating) or gradual increases (in cooling) of the set temperature.
- **Turbo**: the unit runs at full speed to quickly reach the temperature in cooling or heating mode.
- **LED function**: brightness adjustment.
- **Silence mode**: diminishing of the compressor frequency with consequent reduction of noise emissions.
- **FP mode (in heating only)**: prevents the room temperature from falling below 8° C.
- **Follow Me function**: adjusts the room temperature according to the temperature detected by the remote control for maximum comfort.
- **Eco function**: automatic room temperature setting in both heating and cooling mode.
- **Self Clean**: allows the evaporator to dry, to prevent the formation of mould and bacteria.
- **Direct function**: positioning of motorized louvers.
- **Shortcut function**: automatic reset of the last settings (mode, temperature, fan speed).
- **Memory**: in case of blackout, automatically restarts with the previous settings when the power is restored.
- **Reset**: reset to factory settings.
- **Holiday mode**: allows the air conditioning system to stay in stand-by mode for the desired period without deleting the previous operating settings.
- **Breeze Away**: avoids direct air flow in cooling, ventilation and dehumidification mode.
- **Gear Function**: lets you choose the percentage of electrical energy consumed (100%, 75%, 50%) in order to save energy.
- **Fresh Function**: ion generator activation or deactivation for room air purification.
- **Gentle Wind**: in cooling mode, light ventilation function for optimal comfort.
- **Health function**: activates the bipolar ionizer and the UVC lights for air purification.

ICON KEY

REFRIGERANT GAS R32

COMPACT DESIGN

OUTSIDE AIR

Pre-cut for external air intake fitting.

LOW ACOUSTIC IMPACT

EASY INSTALLATION

OPERATING RANGE

Minimum or maximum values for cooling operation.

ANTI-FREEZE FUNCTION 8°C

REFRIGERANT GAS R410A

AUTOMATIC BRIGHTNESS ADJUSTMENT

FOLLOW ME FUNCTION

Activates the temperature sensor in the remote control.

BIO-FILTER

ION GENERATOR

24H TIMER

WIFI READY

DEHUMIDIFICATION

TURBO FUNCTION

AUTORESTART FUNCTION

Resets pre-defined settings after a blackout.

SELF-DIAGNOSIS FUNCTION

SLEEP FUNCTION

COMPUTERISED DEFROST

REMOTE CONTROL

WIRED REMOTE CONTROL

HOKKAIDO

As a result of the ongoing technological evolution of products, we reserve the right to change the technical specifications at any time and without notice. The products shown are only illustrative of the types of applications.

HOKKAIDO

Experience makes technology

HOKKAIDO srl
Via della Salute 14
40132 Bologna Italy

Tel. +39 051 4133 111
Fax +39 051 4133 146
www.hokkaido.it

05-2022