KAYSUN

CATALOGUE 2022

HVAC systems

Kaysun

by Frigicoll

Frigicoll

www.kaysun.es
www.frigicoll.es

Kaysun by Frigicoll

Inspiration, Innovation, Evolution

GENERAL CONTENTS

Climate control and energy catalogue **March 2022**

NEXUS CHILLERS RANGE

FAN COILS RANGE

CONTROLS SYSTEM CONTROL RANGE

IAQ. INDOOR AIR QUALITY

Kaysun by frigicoll

+60 years
of history

+450
employers

+15
facilities
spread out across
Spain

+200
million
in turnover

This is our story

1957
Fernando Coll Soms began his operations in the automobile sector as an importer and distributor of spare parts and accessories. In the 1960s, he added air conditioning systems and, later, refigeration equipment for transport to his repertoire.

1967
Fernando Coll Soms, S.A. is founded. The company became a distributor of the Liebherr brand.

1969
We opened our first office in Madrid. This period was characterised by a broad vision of the needs of the market and the subsequent diversification of products.

1970
The company started production of refrigeration units for transport, becoming the only Spanish manufacturer engaged in this activity.

1975
The name of the company was changed to Frigicoll, S.A.

1982
The company became a distributor of Thermo King in Spain.

1985
Joint venture created with Thermo King.

1987
The climate control business was created.

1988
A new branch is opened on the Canary Islands.

1996
We consolidated ourt position, opeming opening two new subsidiaries in Murcia and Valencia.

2001
Relocation of our headquarters from Madrid to the municipality of Coslada. In this way, we expanded our presence and positioneoutselves as pioneers and leaders in the Spanish market for high-tech products and first-rate solutions.

Who we are?

Frigicoll is a family-owned Spanish company that has been in operation for more than 60 years and is a pioneer in the introduction of technological solutions of leading global brands in various sectors of industry. At Frigicoll we undertake comprehensive projects, supplying machinery to the air conditioning, energy, transportation, food and catering and refrigeration sectors, as well as to the household appliances sector.

OUR VALUES

Our whole history has been notable for our contribution to the market: the best quality of product, trust, proximity and excellence in customer service and an ongoing quest for improvement and innovation, attributes that have made us leaders in the market. With a long record of providing premkum integrated solutions, we face the future with the desire to keep searching for new, sustainable technological solutions.

CSR

Corporate social responsibility is one of the fundamental pillars of Frigicoll, carrying out actions based on the growth and social commitment of its employees and actions that help create a better, fairer and more sustainable world.

2002-2011

We started up subsidiaries of the Frigicoll group in Sevilla, Lugo, Madrid Sur, Cádiz and Barcelona Norte in the area of refrigeration for transport, as well as Ecliman, a manufacturer of refirgeration systrems designed to improve energy efficiency and environmental protection.

2004

We created Kaysun, our brand that specialises in the industrial segment and residential segmentwitn a very clear idea: to transfer all of the experience in products and services at the compny to the development of this line of business.

2012

We boosted the central zone with the refurbishment and development of the installations in Madrid (Coslada) and inaugurated the logistics centre in Vila-Rodona.

2015

We completed construction of our office in the south of Madrid (Getafe) so that it, together with Coslada, can provide clients with access to our service bases located in the centre.

2017

We inaugurate our new headquarters in Barcelona and also The Art of Living Frigicoll in Madrid to exhibit our advanced household appliances.

We reach an agreement with Midea, a household appliances brand, for an exclusive distribution of air conditioners in Spain.

2019

Frigicoll and Midea reach an agreement for Midea air conditioners distribution in France. Frigicoll France is established.

We inaugurate our second showroom, The Art of Living Frigicoll, in Barcelona.

We reached an agreement with Clivet for the exclusive distribution in the Spanish market of the entire product range.

2020

Midea has signed an agreement with Frigicoll to distribute household appliances in Spain.

We have opened AKD Midea, the new technical training centre for professionals in the air conditioning sector.

Business units

Transport

Frigicoll offers refrigeration systems for the transportation and distribution of perishable products, climate control for coaches and buses, refrigerated mobile containers and solutions for the transportation of pharmaceutical products. It holds the official concession for the Thermoking brand in Spain and Portugal and offers technical support through a network of its own workshops and associated services that covers the whole of Spain, with ongoing service available 24 hours a day, 365 days a year.

THERMO KING

Inventor of the refrigeration system for transport.

FRIGOBLOCK

The green solution.

COLDTAINER

A pioneer in refrigerated mobile containers.

Household appliances

Frigicoll offers all equipment for high-end household cooking through the Liebherr, De Dietrich and Falmec brands, leaders in refrigeration, cooking and vacuuming. The three brands are a perfect alliance of design, quality and technology, turning each kitchen into a unique space and guaranteeing the best services for the client.

LIEBHERR

More than 60 years as leader in the world of cold.

De Dietrich

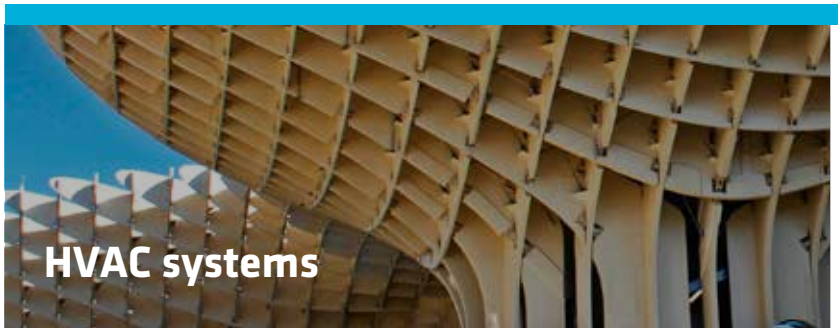
The best, most powerful induction and the ability to detect recipients.

falmec

The most silent extractor hoods in the market (NRS technology).

Midea

World's No.1 Consumer Appliances Producer.



HVAC systems

In Spain and France, Frigicoll has an alliance with Midea, a world leader in air treatment equipment**, to offer integrated climate control projects suitable for all types of installations, from the residential range to the industrial range. Frigicoll is also present in leading projects worldwide with its own brand, Kaysun, with which it has experienced rapid expansion overseas.

Midea

The manufacturer of one in every five air conditioning units worldwide.

CLIVET A Group Company of Midea

Experts in chillers, heat pumps, rooftops, primary air, water-air heat pumps and exclusive systems for residential.

Kaysun

Great versatility of equipment and advanced technological innovation.

* Source: Euromonitor International Limited; Consumer Appliances 20ed, per consumer appliance defined to include production of dishwashers/ refrigeration appliance/ home laundry appliances/ large cooking appliance/ microwaves/ air conditioners, producer volume in units, 2019 data.
** Source: Euromonitor International Limited; Consumer Appliances 20ed retail volume sales in units, 2019 data.

We supply high quality machinery with cutting-edge technology for the exhibition and storage of perishable products as well as professional kitchen equipment for the catering sector.

Plus the following brands:

ADVENTYS · FIREX · MORETTI FORNI · SILKO · MENUMASTER Commercial · hiber · ambach

Hotels

LAINOX

The first oven with a cloud WiFi connection (Lainox Naboo).

COMENDA

An internal energy cycle that reduces detergent, water and electricity consumption by 50%.

LIEBHERR

Strict temperature and moisture control in laboratory coolers and reliability in gastronomy.

Refrigeration

Frigicoll

Complete range of commercial refrigeration solutions.

DORIN

Complete range of high quality refrigeration compressors.

LIEBHERR

Specialized furniture for supermarkets, with R-290 refrigerant.

Frigicoll also has a spare parts business, the aim of which is to provide the best possible service with delivery within 24h and specialist advice and service for each product over the phone, so as to protect the prestige and excellence of the products represented.

Frigicoll spare parts

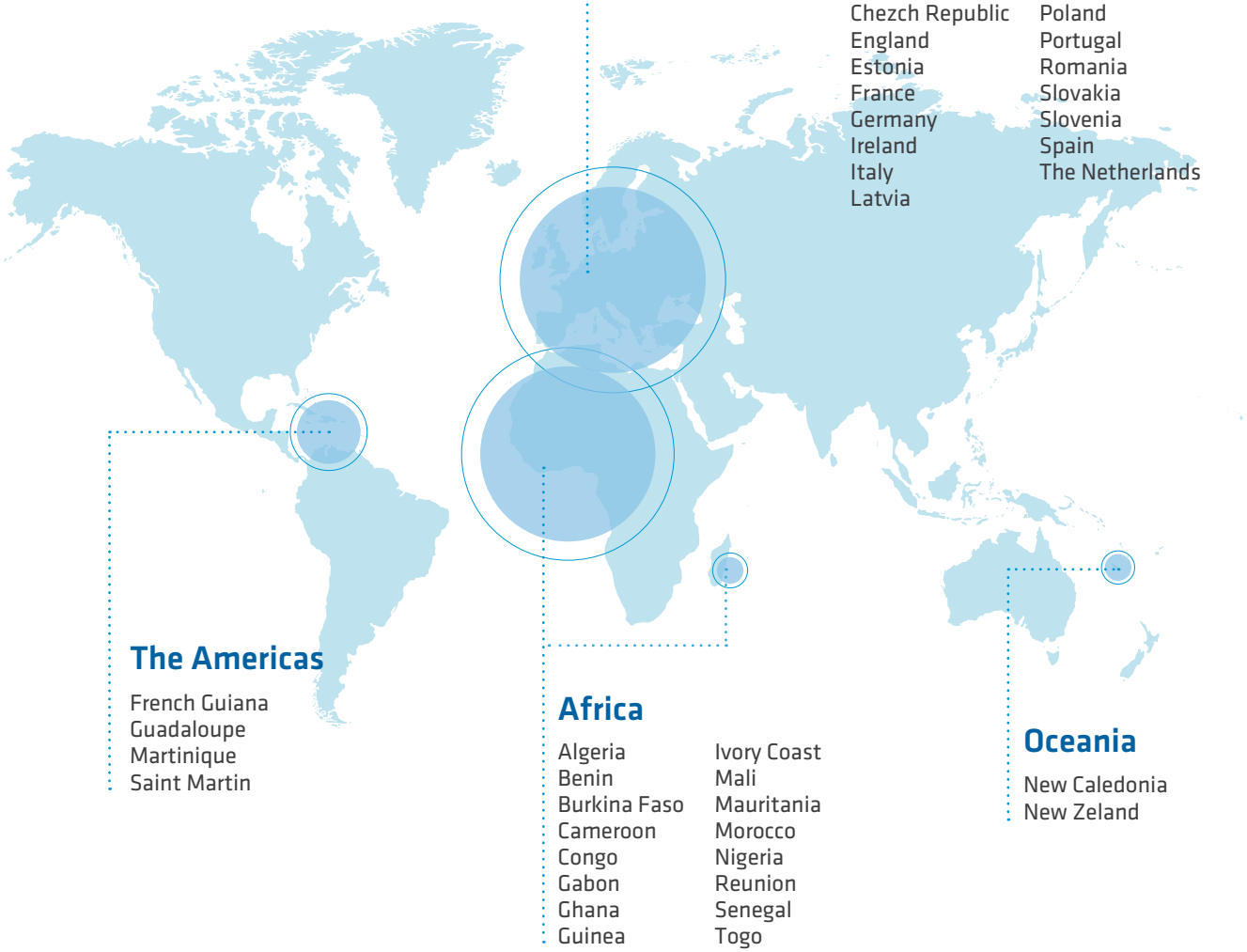
- Automated logistics warehouse of 2,500m².
- 30,000 parts in stock.
- + 200 shipments daily.
- + 400,000 delivered items per year.

To ensure the quality of service at all stages of its value chain, Frigicoll has a highly specialised after-sales service area to foster the agile and effective resolution of any incidents that may arise.

Frigicoll after-sales service

- ISO 9001 and ISO 14001.
- Over 170 technical asistance points across the whole of the mainland, the Canary Islands and Portugal, as well as 11 service centres.
- Uninterrupted service all year round (24/7 in the transport unit).

Kaysun by frigicoll



Europe

Andorra
Austria
Belgium
Chezch Republic
England
Estonia
France
Germany
Ireland
Italy
Latvia
Lithuania
Luxembourg
Malta
Poland
Portugal
Romania
Slovakia
Slovenia
Spain
The Netherlands

The Americas

French Guiana
Guadaloupe
Martinique
Saint Martin

Africa

Algeria
Benin
Burkina Faso
Cameroon
Congo
Gabon
Ghana
Guinea
Ivory Coast
Mali
Mauritania
Morocco
Nigeria
Reunion
Senegal
Togo

Oceania

New Caledonia
New Zeland

"A well-established Team"

Over more than 60 years, Frigicoll has worked at all times in collaboration with the most reputable brands in the different business units that comprise the company. Our technical team has combined, for each and every project, the premium qualities of our equipment with its professional experience to achieve the best outcomes. Today we complete key installations, noteworthy due to both the technological prowess of their solutions and their social importance.

In the HVAC Business Unit, we are proud to apply our first-hand knowledge, acquired from our long history and the best professionals, to the continual development of our own brand, Kaysun, which grows more established every day with a strong national and international plan. We have a clear goal: to continue providing the best residential and industrial solutions with comprehensive offerings underpinned by a constantly evolving and diverse range of products. That is why we remain loyal to our brand's philosophy – a balance between technology, efficiency, cost and warranty.

We believe that the best way to explain to you why Kaysun is rising to the top in the sector is to invite you to experience our work first hand.
Thank you for joining us.
Your trust is our guide.

"Ten reasons why we stand out"

1

THE FRIGICOLL GUARANTEE

Frigicoll is known for its premium products and its broad experience in excellent after-sales services. KAYSUN, the company's own brand, was developed with the standards for quality and technological innovation that have always set us apart.

2

MAXIMUM RELIABILITY OF OUR EQUIPMENT

We guarantee that our units will have a long service life, thanks to top-quality materials. This ensure that **the need to make use** of their warranties is reduced to a minimum.

3

ISO 9001 / ISO 14001

The quality of our products and environment benefits are two key pillars for KAYSUN. We are proud to have achieved **ISO 9001** and **ISO 14001**, under the seal of Frigicoll.

4

WIDE RANGE

We offer **comprehensive solutions for any facility** thanks to the diversity of our product ranges. From residential split systems to the most complex water terminal units, and including air curtains, recovery systems, VRFs, chillers, solar and domestic hot water units.

5

COMPREHENSIVE PROJECTS

Our team of expert technicians carries out HVCA and ventilation comprehensive specific projects for every single customer, which allows our company to be able to adapt to any space and need. A personalised advice complements this service, thus ensuring the correct performance of our installation works.

6

CUTTING-EDGE TECHNOLOGY

Our forward-looking approach goes hand-in-hand with the incorporation of the latest technology in all of our equipment. We include features that improve everything from energy consumption to practicality and comfort, as in the case of the built-in **motorised panel** used in the cassettes.

7

SMART CONTROL

Our smart control **devices**, allow us to offer comfort and well-being in any facility. The K01-WIFI device is the first smart solution for our units, providing the option of programming and managing air conditioning units inside and outside your home.

8

COMMITTED TO THE ENVIRONMENT

Our equipment is manufactured almost entirely **from recyclable materials**. We have reduced consumption as far as possible in STANDBY mode and have improved the energy efficiency of units working at full capacity, resulting in energy savings for facilities.

9

EXCELLENT AFTER-SALES SERVICE

We **work to solve all incidents as quickly as possible**, leaving our customers completely satisfied with our after-sales service. We have a team of expert professionals working for you.

10

THE BEST MANAGEMENT OF SPARE PARTS IN THE SECTOR

We understand the key role of air-conditioning systems play in our facilities, **and we offer unbeatable replacement services**. Our commitment is absolute and we offer immediate solutions.

EUROPEAN DIRECTIVE ErP

Kaysun remains committed to inspiration, innovation and evolution. That is why it is proud to present a 2022 catalogue in which all products meet the requirements of the new energy regulations in force.

Icons for the catalogue. Green colour, which stands for ecological innovation, is hard to miss in our catalogue, showing the energy efficiency of each of our products.

ECODESIGN DIRECTIVE

On January 1st, 2013 the "ecodesign" directive took effect, which in order to reduce energy consumption and benefit the environment, requires the adoption of legal measures to establish requirements for energy labelling and supplying energy-related information about products.

The Commission adopted **Regulation 626/2011**, introducing the new **energy labels** which are mandatory for air conditioning units connected to the grid with a nominal refrigerating power (or nominal heating power, if the unit only runs as a heat pump) **of less than 12kW.**

These labels contain **seasonal energy performance levels,** which are based on different outdoor temperatures and part-load efficiencies to calculate a level of annual consumption in extremely close detail, thus demonstrating in the most apparent manner possible the advantages of the **Inverter technology** used by **Kaysun.** The sound level rating of the unit is also displayed.

It is important to make the distinction between **SEER and SCOP**, where "S" stands for "Seasonal" to indicate the seasonal variation of annual energy consumption, which is usually measured according to the hours a unit runs in different climatic zones over a year.

ENERGY EFFICIENCY CLASSES
for air conditioners

CLASSES*	SEER	SCOP
A+++	SEER ≥ 8.50	SCOP ≥ 5.10
A++	6.10 ≤ SEER < 8.50	4.60 ≤ SCOP < 5.10
A+	5.60 ≤ SEER < 6.10	4.00 ≤ SCOP < 4.60
A	5.10 ≤ SEER < 5.60	3.40 ≤ SCOP < 4.00
B	4.60 ≤ SEER < 5.10	3.10 ≤ SCOP < 3.40
C	4.10 ≤ SEER < 4.60	2.80 ≤ SCOP < 3.10
D	3.60 ≤ SEER < 4.10	2.50 ≤ SCOP < 2.80

(*) with the exception of dual and single duct units.

Minimum energy efficiency values have been established for both cooling and heating mode for all products for sale after January 2013 to which that regulation applies. Inefficient products will not be able to be sold on the European market, since they do not meet the requirements of the mentioned regulation.

We would like to note that there are also restrictions regarding sound levels, and therefore Kaysun offers efficient and environmentally friendly products that provide comfort and a quality lifestyle to end users.

MINIMUM ENERGY EFFICIENCY REQUIREMENTS

NOMINAL POWER		ACOUSTIC POWER IN dB(A)
≤ 6kW	Indoor	60
	Outdoor	65
≤ 12kW	Indoor	65
	Outdoor	70

MINIMUM ENERGY EFFICIENCY REQUIREMENTS **2015**

NOMINAL POWER	GWP OF THE REFRIGERANT	AIR CONDITIONERS		DUAL DUCT		SINGLE DUCT	
		SEER	SCOP	EER	COP	EER	COP
< 6KW	If the GWP > 150	4.60	3.80	2.60	2.60	2.60	2.04
	If the GWP < 150	4.14	3.42	2.34	2.34	2.34	1.84
6 - 12 KW	If the GWP > 150	4.30	3.80	2.60	2.60	2.60	2.04
	If the GWP < 150	3.87	3.42	2.34	2.34	2.34	1.84

ENERGY LABELS

The label makes a distinction between climatic areas, and therefore offers users more detailed information and a more accurate idea of the efficiency of the units according to the climatic area in which they are located.

In addition to the Ecodesign directive, there is another directive hat affects Kaysun. All units with fans with a motor that consumes between 125 W and 500 kW of energy meet certain minimum energy efficiency requirements.

SEER and SCOP. These values indicate the Seasonal Energy Efficiency Ratio for refrigerating (SEER) and heating (SCOP) calculated based on annual hours of use in different climatic zones.

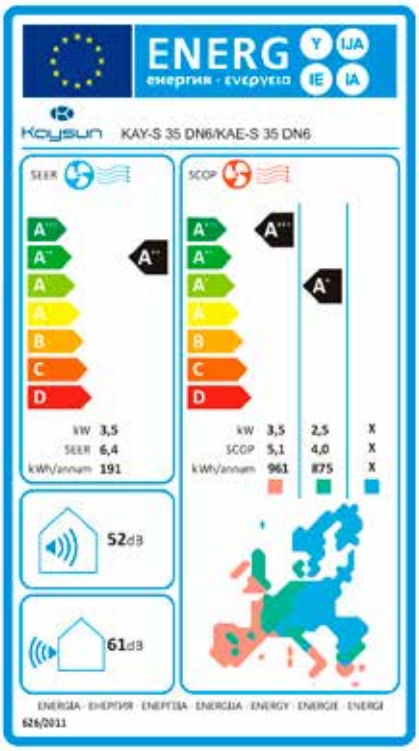
ENERGY CLASS For heating and cooling, labels will increase up to Class A+++.

SOUND LEVELS The sound level of indoor and outdoor units, expressed in decibels.

CLIMATIC ZONES The map below shows the three climatic zones that have been established for a better evaluation:

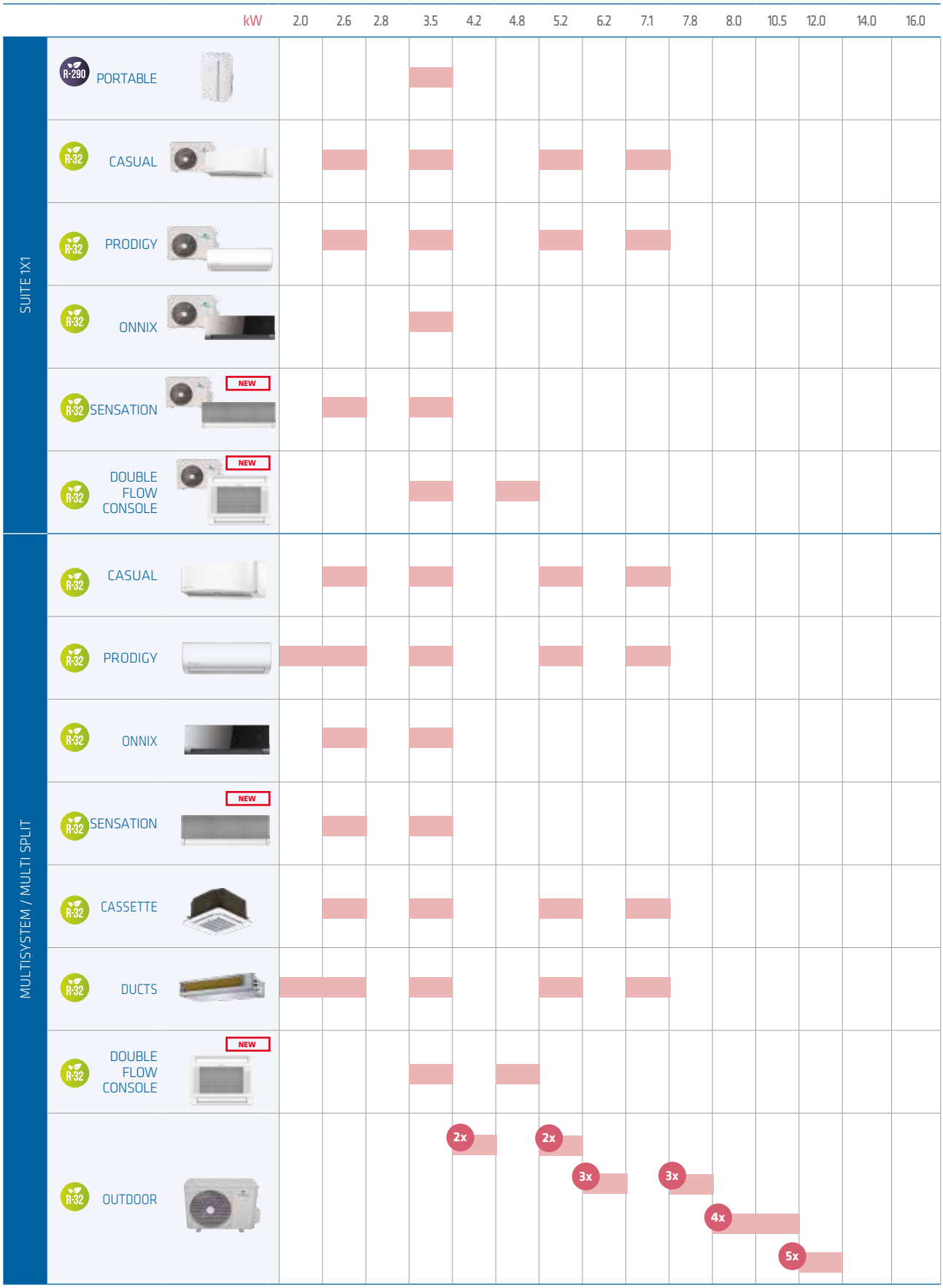
Average (*) Annual temperature of Strasbourg.
Hot Annual temperature of Athens.
Cold Annual temperature of Helsinki.

(*) It is only mandatory to express the SCOP for the average climate zone.



SUITE

RESIDENTIAL **PRODUCT RANGE**



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AQUATIX

HEAT PUMPS RANGE

KHPIS-BI PRO - AQUANTIA BIBLOC INTEGRATED

kW	4	5	6	7	8	9	10	12	14	16
SINGLE-PHASE L	■		■		■		■			
SINGLE-PHASE XL	■		■		■		■	■	■	■
THREE-PHASE XL									■	■

KHPMS-BI PRO - AQUANTIA BIBLOC WALL-MOUNTED

kW	4	5	6	7	8	9	10	12	14	16
SINGLE-PHASE	■		■		■		■	■	■	■
THREE-PHASE									■	■

KHPS-MO PRO - AQUANTIA MONOBLOC

kW	4	5	6	7	8	9	10	12	14	16
SINGLE-PHASE	■		■		■		■	■	■	■
THREE-PHASE								■	■	■

KHPS-MOPROHP - AQUANTIA MONOBLOC

kW	18	22	26	30
THREE-PHASE	■	■	■	■

KHHP-BI - KAYSUN'S HYBRID SOLUTION

kW	4	5	6	7	8	9	10	12	14	16
SINGLE-PHASE					■					

DOMESTIC HOT WATER TANKS

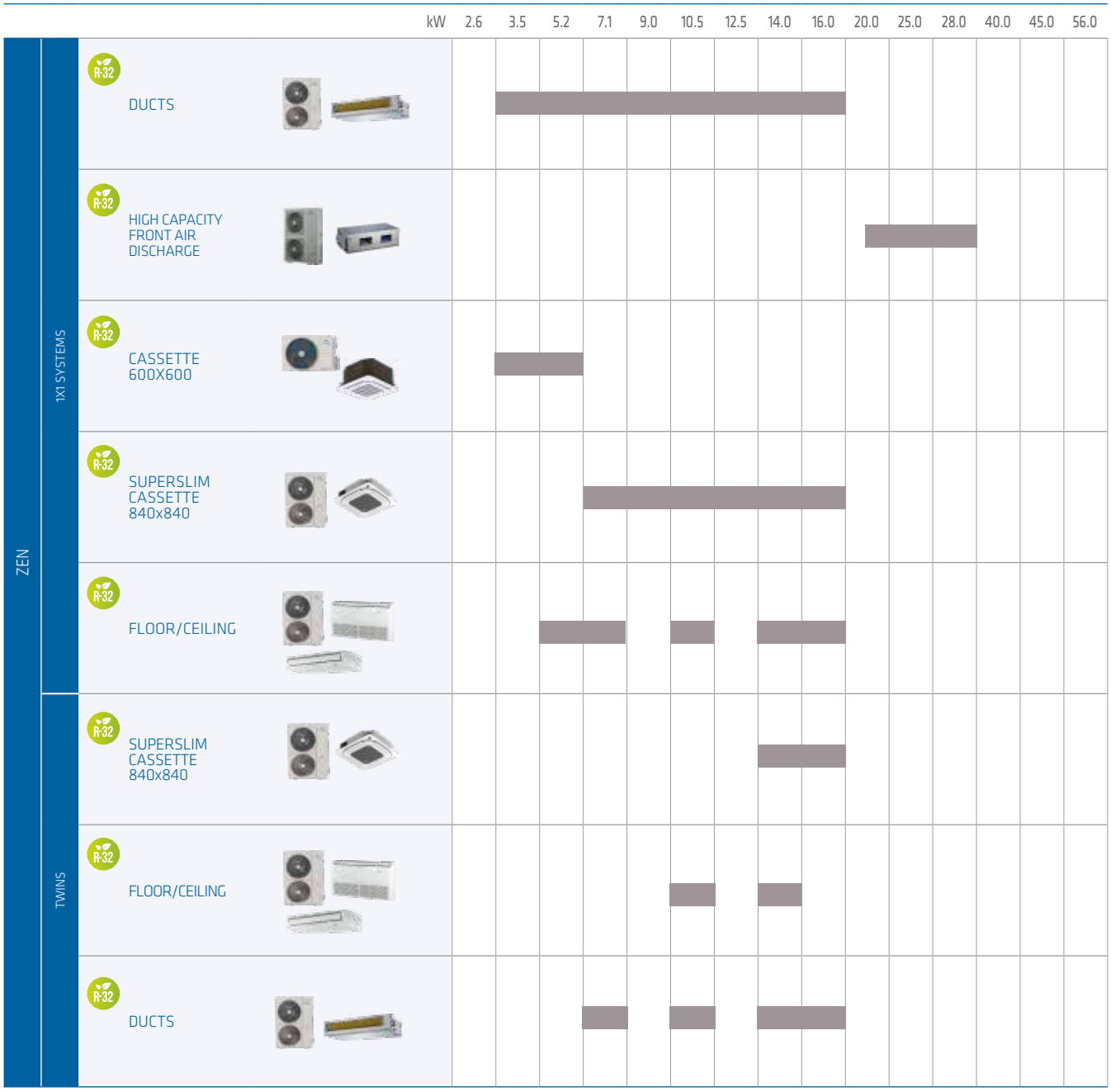
L	270	475
TANKS BSX	■	■

COMPAK DHW HEAT PUMPS

L	150	200	250	300	350
COMPAK KHP/ KHPA2-S		■		■	
With Solar Coil		■		■	

ZEN

COMMERCIAL **RANGE**



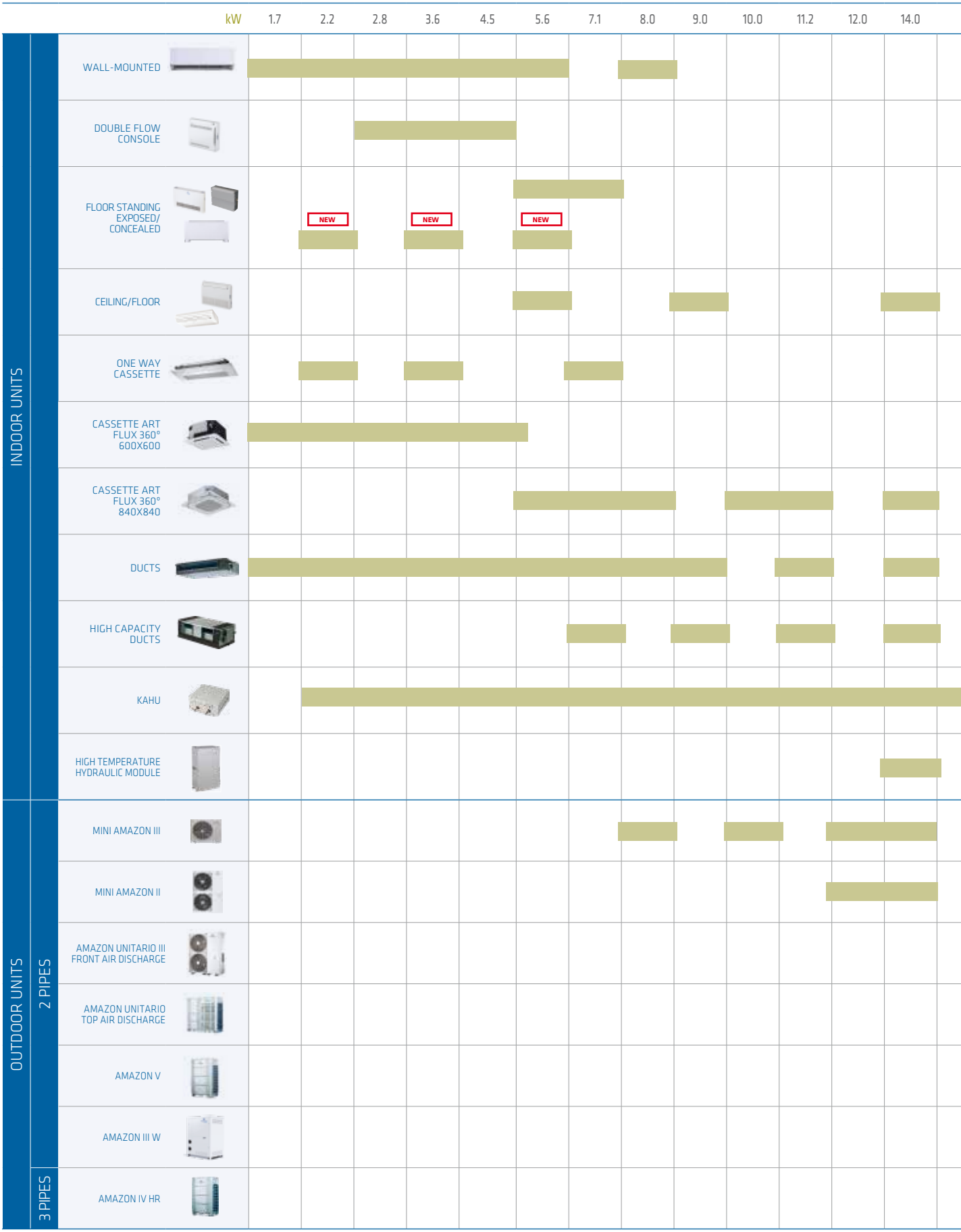
Different types of indoor unit can be combined.

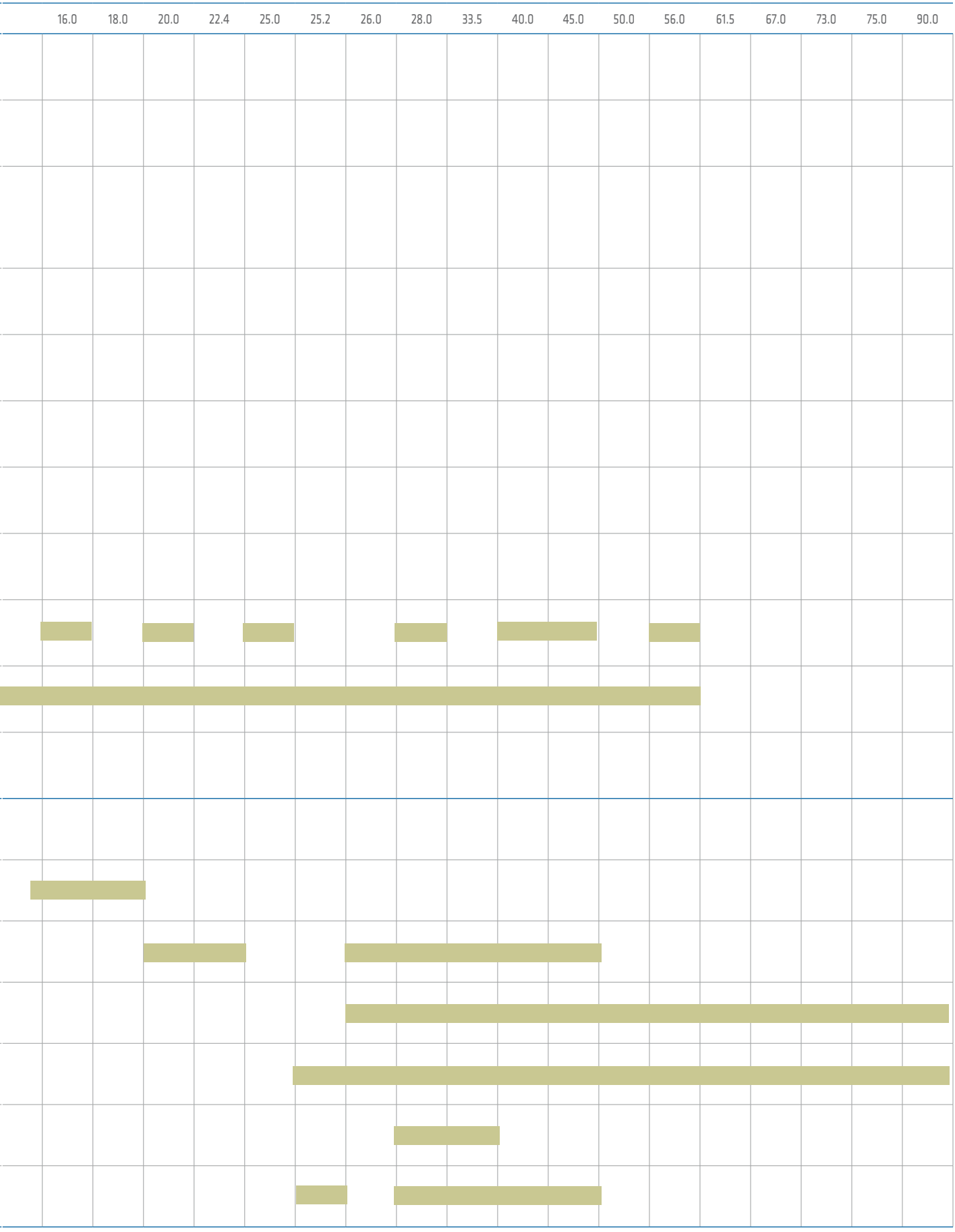
ZEN HIGH CAPACITY

COMMERCIAL **RANGE**

AMAZON

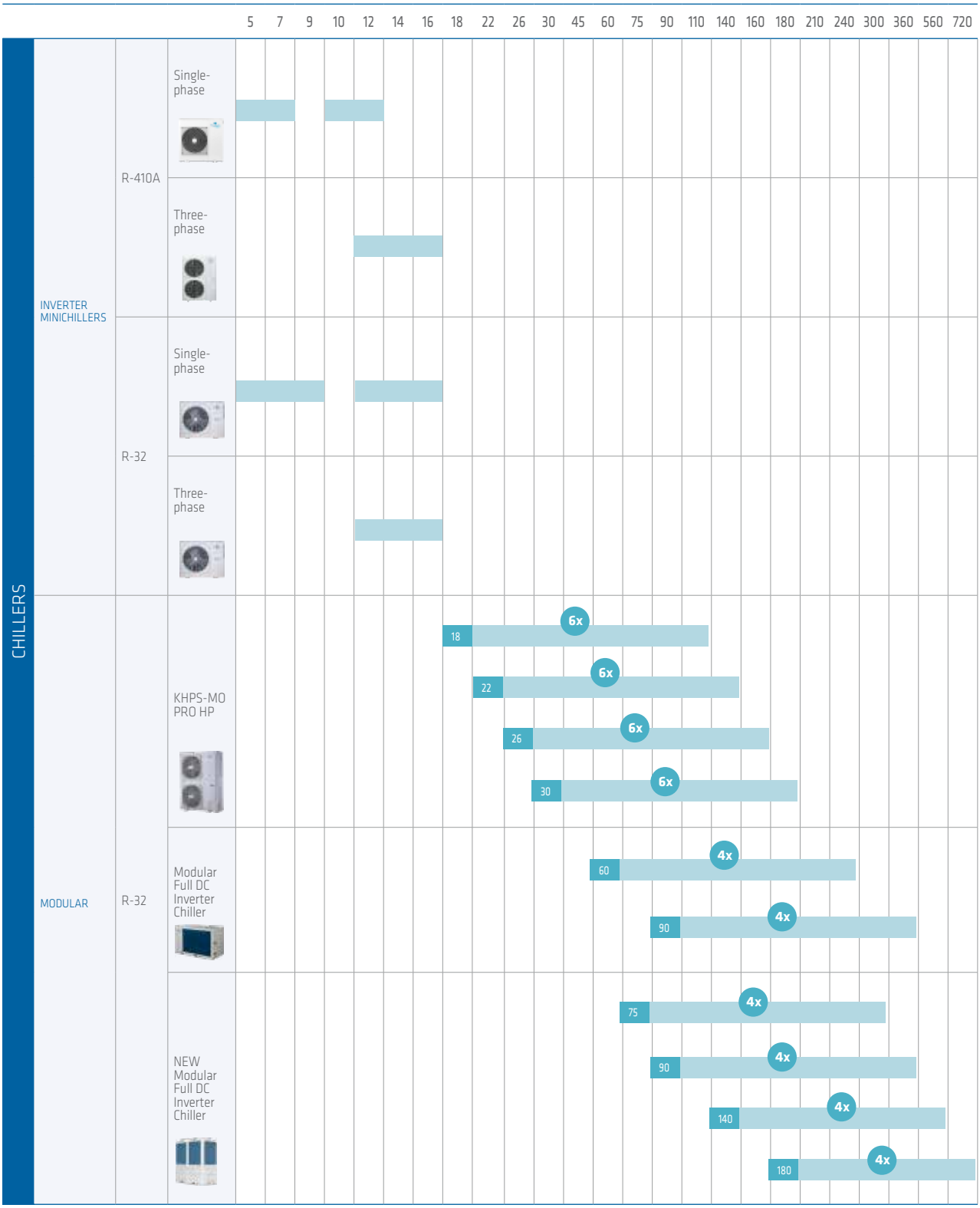
INDUSTRIAL **VRF RANGE**




16.0
18.0
20.0
22.4
25.0
25.2
26.0
28.0
33.5
40.0
45.0
50.0
56.0
61.5
67.0
73.0
75.0
90.0

NEXUS

CHILLERS **PRODUCT RANGE**



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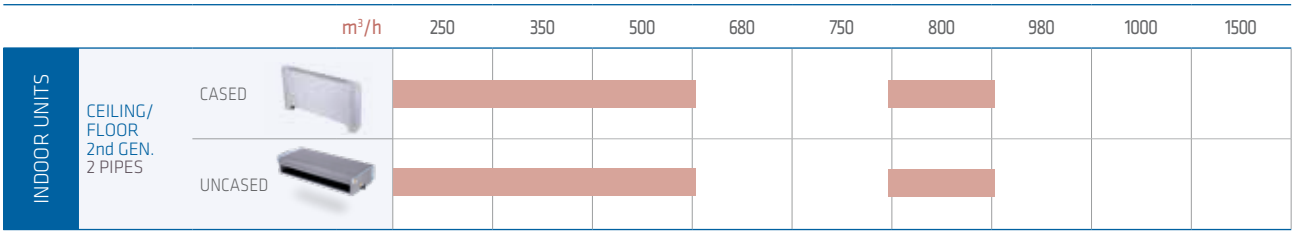
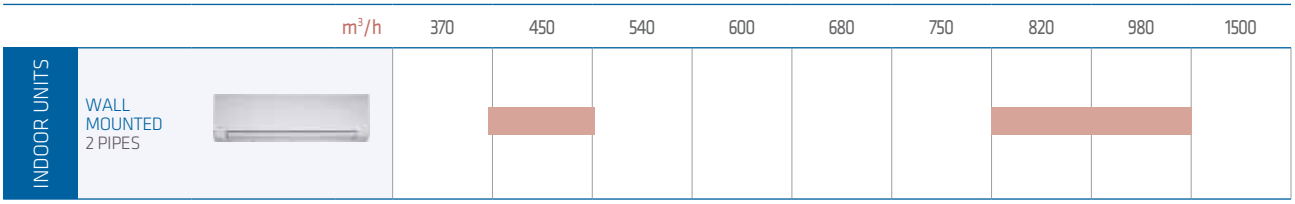
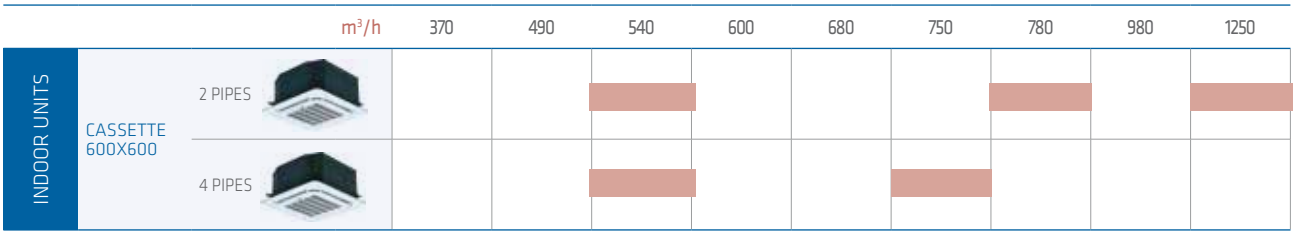
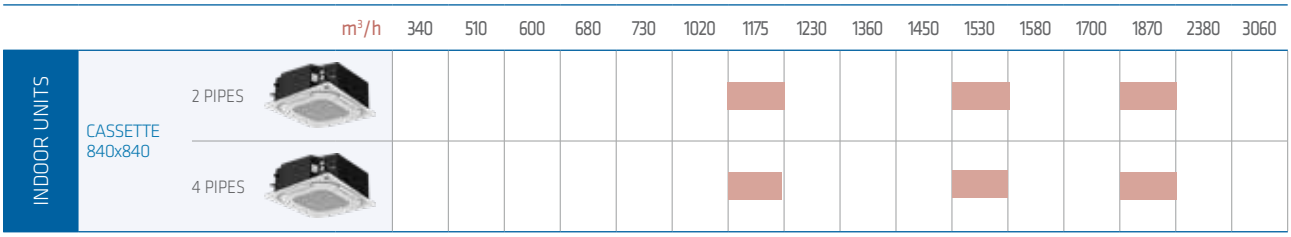
FANCOILS

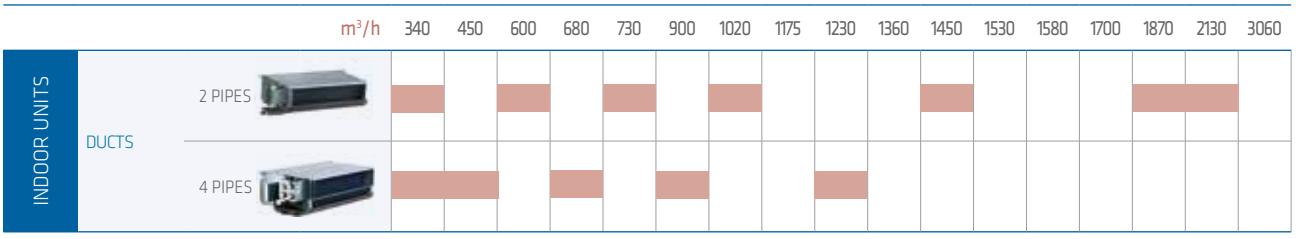
WATER TERMINAL UNITS **PRODUCT RANGE**







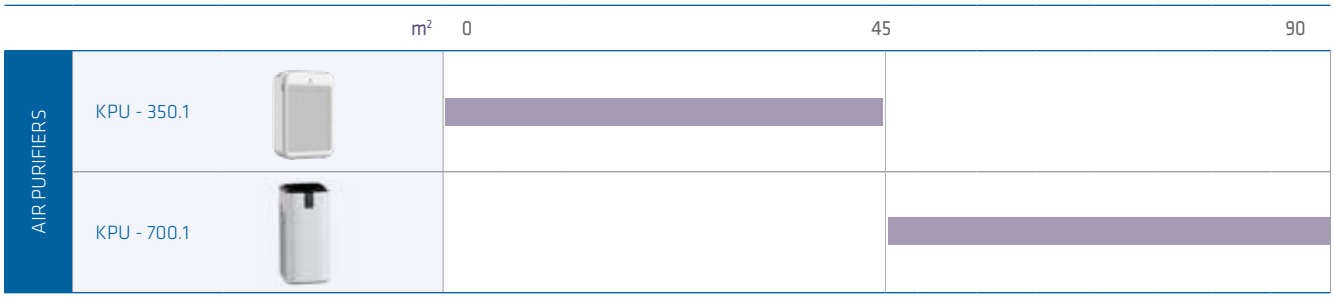




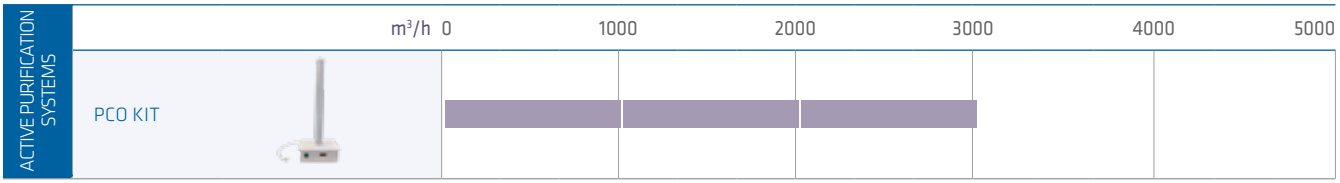
IAQ

INDOOR AIR QUALITY

AIR PURIFIERS

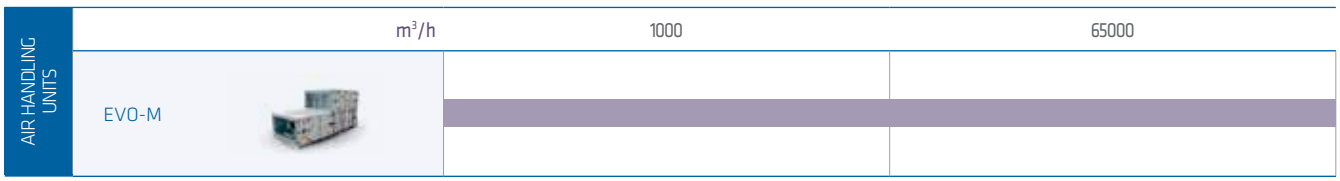


ACTIVE PURIFICATION SYSTEMS



HEAT RECOVERY UNITS

AIR HANDLING UNITS



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ICONS DESCRIPTIONS

ENERGY AND CERTIFICATIONS

ErP Unit that complies with the European Parliament and Council of the European Union's Directive which establishes the ecological design requirements applicable to products that use energy.

A+ SCOP Classification of energy efficiency according to seasonal performance for heating.

A++ SCOP Classification of energy efficiency according to seasonal performance for heating.

A+ SEER Classification of energy efficiency according to seasonal performance for cooling.

A++ SEER Classification of energy efficiency according to seasonal performance for cooling.

A+++ SEER Classification of energy efficiency according to seasonal performance for cooling.

EUROVENT

SCOP 4.0 The heat pump performance of a set of units exceeds SCOP 4.0.

SCOP 4.6 The heat pump performance of a set of units exceeds SCOP 4.6.

THERMAL SOLAR SUPPORT Units compatible with thermal solar support for a greater installation efficiency.

SMART GRID READY Units with Smart Grid technology, for a greater installation efficiency.

TECHNOLOGY

DOMESTIC HOT WATER A system that produces domestic hot water and underfloor heating.

DC INVERTER COMPRESSOR This feature allows to regulate the power of the compressor, providing optimum control and extremely efficient operation.

CONDENSATION CONTROL Allows the system to refrigerate, even with low outdoor temperatures.

HYDRAULIC KIT A complete, built-in hydraulic kit.

K-ION Active bipolar ionization technology that neutralizes viruses and bacteria.

0-10V INPUT SIGNAL Unit compatible with 0-10V control systems.

CROSS FLOW RECOVERY The unit has a high efficiency cross flow recovery.

ROTARY RECOVERY The unit has a high efficiency rotary recovery.

COOLING AND HEATING The unit is equipped with air conditioning and a heat pump.

3D TECHNOLOGY Triple DC inverter technology that allows a more constant temperature, high energy saving and significant energy efficiency.

DC INVERTER EXTERNAL FAN The unit is fitted with a DC Inverter external fan.

DC INVERTER INTERNAL FAN The unit is fitted with a DC Inverter internal fan.

FREECOOLING The unit has a freecooling function.

DOUBLE STAGE FILTRATION The unit has a pre-filter and discharge filter.

PCO Photocatalytic oxidation.

GOLDEN FIN High durability treatment to reduce the impact of bad weather and aggressive external environments.

INSTALLATION AND SERVICE

DRAINAGE PUMP A system which is capable of removing condensate up to 750 mm.

TWO COMMUNICATION WIRES The system uses two shielded communication wires without polarity.

ADDRESSING The control system allows setting an address for indoor units inside the communication bus.

HERTZ The units can function at 50 or 60 Hz.

TWINS Connection system that allows the two indoor units to be combined with an outdoor unit, making installation easier and more economical.

OUTDOOR INSTALLATION Unit for outdoor installation.

INDOOR INSTALLATION Unit for indoor installation.

CONTROL

COMPATIBLE WITH AIRZONE Integration with Airzone control Systems

Wi-Fi This unit can be controlled by a Wi-Fi network through a smartphone application.

SMART HOME A feature that allows to control the air conditioning remotely with a smart phone.

MODBUS The unit has a Modbus output for communication with PC/BMS.

CONFIGURATION VIA USB PORT The USB port allows you to configure the unit in seconds and carry out diagnostics in order to minimize start-up or maintenance time.

ON/OFF CONTACT The unit has an ON/OFF contact that offers the possibility of making a stop/start remotely.

ICONS DESCRIPTIONS

COMFORT

8°C HEATING This feature keeps the temperature in the room from dropping below 8°C by turning on the unit automatically in heat mode until it reaches 17°C.

SELF-CLEANING A feature of the indoor unit which automatically cleans the machine's battery so as to continue providing fresh, purified air every day.

LOW SOUND LEVEL New technological advances have allowed the level of sound produced by the indoor units to be reduced by up to 20 dB.

REFRIGERANT CONTROL A sensor on the outdoor unit and an alarm on the indoor unit's display alert the user of the detection of a possible refrigerant leak.

SWITCH OFF DISPLAY This feature allows switching off the display of the indoor units, if necessary.

FOLLOW ME A feature which changes the operating mode based on the remote controlled temperature sensor with the aim of maintaining maximum comfort.

INTELLIGENT This feature allows changing the operation parameters of the unit and extracting operation data.

LED DISPLAY The indoor unit displays the information on a digital display panel.

ECO MODE A control feature which reduces consumption, offering high energy efficiency thanks to automatic temperature regulation.

NIGHT MODE A feature of the indoor unit which reduces the sound level during the night for a more comfortable sleep.

TURBO MODE This feature reaches the selected temperature within a very short time.

MUTE This feature allows permanently cancelling the indoor unit alarm beeper.

WEEKLY PROGRAMMER A control feature which schedules when the unit will turn on/shut off according to the day and time during the week.

SILENCE MODE A function of the indoor unit that reduces sound pressure using the lowest speed of the fans.

STAND BY The "standby mode" feature allows 80% energy saving with only 1W consumption by the LED display.

TOUCH SENSITIVE KEYS The keys of the remote control are touch sensitive.

INDEPENDENT BLADES The unit allows the 4 blades of the panel to be managed independently.

AIR DISTRIBUTION

MULTIPLE AIR INLETS This unit is fitted with four air return inlets: upper inlet, lower inlet, right inlet and left inlet.

FRESH AIR SUPPLY "X %" of fresh air directly enters the indoor unit through an orifice.

AIR INTAKE The indoor unit has two possible air intakes: the upper and the rear intake.

AUTOMATIC ADJUSTMENT OF THE BLADES The unit has the capacity to automatically position the blades at the same angle that they were at when it was shut off the last time.

AIR OUTLET The unit has two air outlets: upper and lower.

AIR OUTLET 360° The indoor unit is capable of spreading a 360° air flow, thus providing high comfort and reaching all corners of the room.

REFRIGERANT

R-134A REFRIGERANT The unit works with R-134A ecological refrigerant.

R-290 REFRIGERANT The unit works with R-290 ecological refrigerant.

R-32 REFRIGERANT The unit works with R-32 ecological refrigerant.

R-410A REFRIGERANT The unit works with R-410A ecological refrigerant.

DESIGN

COMPACT Advances in design have reduced the size of the indoor and outdoor units without overlooking any technological details.

MODULAR Can be combined with other units up to power "x", by connecting the inlet and outlet pipes between units.

SUPERSLIM The new Superslim cassette can be fitted into any space.

CATALOGUE KAYSUN
HVAC Systems

SUITE
Residential Product Range

SUITE 1x1

Residential Product Range

SUITE 1X1

Presentation of the range

PORTABLE

Units do not require installation; available in cool mode only. A climate control option without the need for installation.

R-290 REFRIGERANT · FOLLOW ME · NIGHT MODE · LED DISPLAY · 1W STANDBY · COMPACT

Power kW 3.5

CASUAL

With an elegant and simple design, the main characteristic of the Kaysun Casual unit is its price/performance ratio. It incorporates all Kaysun technology, with the most affordable price point in the range.

R-32 REFRIGERANT · CONDENSATION CONTROL · LOW SOUND LEVEL · FOLLOW ME · INTELLIGENT · SMART HOME · NIGHT MODE · TURBO MODE · MUTE · SILENCE MODE · AUTOMATIC ADJUSTMENT OF BLADES · 8°C HEATING · LED DISPLAY · 1W STANDBY · SELF-CLEANING · REFRIGERANT CONTROL

Power kW 2.6 3.5 5.2 7.1

PRODIGY

With its innovative α control algorithm and Economy mode, it allows a high degree of saving without losing a shred of comfort, and at the same time with increased versatility and ease of installation in mind.

R-32 REFRIGERANT · K-ION · ECO MODE · CONDENSATION CONTROL · 3D TECHNOLOGY · LOW SOUND LEVEL · FOLLOW ME · INTELLIGENT · SMART HOME · NIGHT MODE · TURBO MODE · SILENCE MODE · AUTOMATIC ADJUSTMENT OF BLADES · 8°C HEATING · LED DISPLAY · 1W STANDBY

Power kW 2.6 3.5 5.2 7.1

frigicoll

ONNIX

Cutting-edge design thanks to its V shape and mirror-effect finish. Onnix achieves high energy efficiency and features a wide range of functions in order to ensure the user's comfort.

R-32 REFRIGERANT | K-ION | ECO MODE | CONDENSATION CONTROL | 3D TECHNOLOGY | LOW SOUND LEVEL | FOLLOW ME | INTELLIGENT | SMART HOME | NIGHT MODE | TURBO MODE | SILENCE MODE | AUTOMATIC ADJUSTMENT OF BLADES | 8°C HEATING | LED DISPLAY | 1W STANDBY

Power kW 3.5

SENSATION NEW

With the customized design options of the new Sensation wall-mounted split, the unit becomes a real element of interior decoration. Great efficiency A+++/A++, K-Ion technology, customized appearance, maximum comfort... A perfect combination into one unit, and as always, delivered by Kaysun.

R-32 REFRIGERANT | K-ION | ECO mode | CONDENSATION CONTROL | 3D TECHNOLOGY | INTELLIGENT | SMART HOME | NIGHT MODE | TURBO MODE | SILENCE MODE | 1W STANDBY | HERTZ | GOLDEN FIN

Power kW 2.6 3.5

DOUBLE FLOW CONSOLE NEW

The Double Flow Console has an elegant and compact design adaptation of any area to be air-conditioned. It is fitted with the latest technological features, thereby providing users with a high comfort level.

R-32 REFRIGERANT | FOLLOW ME | HERTZ | DC INVERTER COMPRESSOR | DC INVERTER EXTERNAL FAN | DC INVERTER INTERNAL FAN

Power kW 3.5 4.8

SUITE 1X1

Presentation of the range




	CASUAL	PRODIGY	ONNIX	SENSATION
Suite 1x1	2.6 3.5 5.2 7.1	2.6 3.5 5.2 7.1	○ 3.5 ○ ○	2.6 3.5 ○ ○

	CASUAL	PRODIGY	ONNIX	SENSATION
Multisystem Suite	○ 2.6 3.5 5.2 7.1	2.0 2.6 3.5 5.2 7.1	○ 2.6 3.5 ○ ○	○ 2.6 3.5 ○ ○

7.1 kW units only compatible with multi outdoor groups 4 & 5.

DOUBLE FLOW CONSOLE	CASSETTE	DUCT	WALL-HUNG HYDRAULIC KIT
3.5			
4.8			

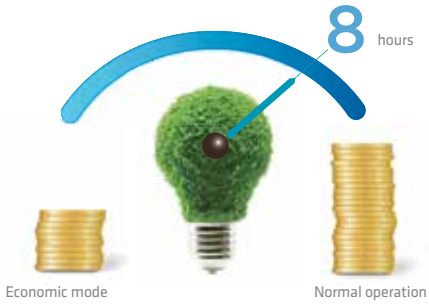
DOUBLE FLOW CONSOLE	CASSETTE	DUCT	WALL-HUNG HYDRAULIC KIT
		2.0	
	2.6	2.6	
3.5	3.5	3.5*	
4.8	5.2	5.2	
	7.1	7.1	8

*Configurable at 2 and 2.6 kW

SUITE 1X1. Residential Product Range

Introducing our 1x1 residential units range. Kaysun endeavors to offer the most complete range suitable for any type of aesthetic and requirement. Contributing to the maximum well-being of the user, at the vanguard of innovation and with a proposal that meets all of the requirements of the market and contains developments that constitute pioneering advances in the sector.

The residential range units comply with the ErP (energy-related products) directive of the EU, offering SCOP values from A to A+++. The brand wishes to consolidate its position in the market by offering products with a seasonal energy efficiency under heat mode that are even higher than 4.6 in SCOP for some of its models. Therefore, we not only observe the current directives on energy efficiency, but future directives as well.

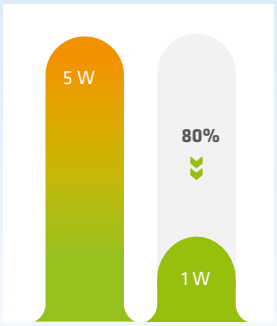


→ ECO mode

Kaysun's inverter compressor's core technology can control the AC precisely, thus effectively maintaining the AC's top-notch performance while minimizing energy consumption. The technology also reduces energy loss significantly by allowing the chip to do more precise signal receiving, accurate data processing, and sending timely instructions to compressor operation. It achieves ultra-stable frequency with minor vibration.

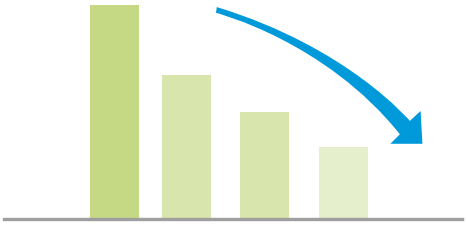
K-ion technology

With the active bipolar ionization included, we can actively help neutralize particles, bacteria, virus cells, odorous gases, aerosols and volatile organic compounds (VOCs) from the indoor air.



1 W is standby in mode

1x1 Kaysun units only consume 1 W/hour in standby mode. This consumption is up to 80% less than any other conventional units. This translates into great energy savings for the end user.



➔ Low consumption equipment

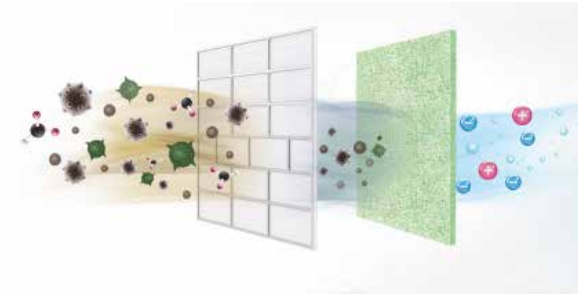
Kaysun, in its search for efficiency, comfort and energy savings, only assembles components in its units that have the appropriate characteristics to achieve this goal. The main component is the Double Rotary DC Inverter Compressors to ensure minimum consumption and maximum performance.

➔ Twin Rotary DC Inverter Compressor

Outdoor units of SUITE range have a Double Rotary DC Inverter Compressor (also known as Twin Rotary). Its design, with high-efficiency and reduced dimensions, reduces vibrations during operation and, consequently, the noise level of the outdoor unit. In addition, it allows greater regulation of capacity and comfort.

➔ High-efficiency fan blades and air passage

Based on bionic principles, Kaysun's optimized fan blade design can effectively work against airflow resistance and reduce noise. Together with the optimized air passage, it delivers the same airflow volume with 30% less energy consumption.



➔ Dual filter

Dual filtration system thoroughly eliminates harmful substances, providing fresh and clean air for you. The first density pre filter can effectively prevent airborne particles. The second active carbon filter traps dangerous gases and annoying odors.

WiFi

Optionally, it is possible to control Kaysun units through tablet or smartphone. With the installation of an USB adapter and through a simple configuration, the units can be remotely managed, with multiple options like a weekly scheduled.

R-32 refrigerant

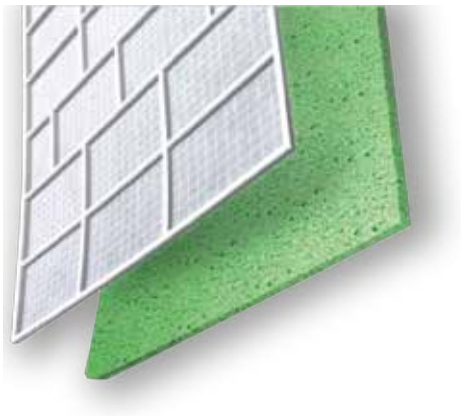
R-32 is the evolution of traditional R-410A refrigerant, but with a lower global heating coefficient, and therefore, much more ecological. R-32 also achieves greater energy efficiency meaning a better machine performance and energy savings for the user.

PORTABLE

Thanks to its mobility and ease of transport, the Kaysun portable air conditioning unit guarantees comfort anywhere in the home. Units do not require installation; available in cooling mode only. A climate control option without any installation.

➔ Kit for window included

Continuing along the lines of ease of use, the included kit can be fitted to different window sizes, so you don't have to worry about anything.



➔ Dual filter

The indoor filter system allows the elimination of bacteria, viruses, allergens, dust and unpleasant odours.

➔ 24-hour programmer

All units in the range have a 24-hour programmable timer. It allows you to program the equipment to turn on and off throughout the day.

Easy to transport

All the units have wheels so they can be easily transported.

Economy mode

With the Economy mode the unit can work with minimum consumption while maintaining the confort in every room.

KID-03
Standard

R-290 REFRIGERANT | FOLLOW ME | NIGHT MODE | LED DISPLAY | 1W STANDBY | COMPACT

MODEL			KP-35 CP11
Capacity	Cooling rated	kW	3.5
	Heating rated	kW	-
Cooling input rated		W	1350
Heating input rated		W	-
Energy efficiency	EER - Energy class		2.6 - A
	COP - Energy class		-
Indoor unit	Air flow low/medium/high	m³/h	355 / 370 / 420
	Sound pressure low/medium/high	dB(A)	50.4 / 50.8 / 52
	Sound power level	dB(A)	63
	Width/height/depth	mm	467 / 765 / 397
	Net weight	kg	32.5
	Power supply	V/ph/Hz	220-240/1/50
Refrigerant	Type refrigerant		R-290
Working range	Indoor temperature for cooling min./ max.	°C	17°C / 35°C
	Indoor temperature for heating min./ max.	°C	- / -

CASUAL

With a simple elegant design, the outstanding feature of the Kaysun Casual unit is its price/performance ratio. It incorporates all Kaysun technology, with the most affordable price point in the range.

➔ Reliable and durable

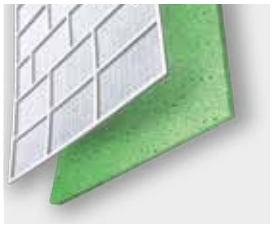
With refrigerant leakage detection, the system will stop operation automatically to ensure safety once the refrigerant leakage is detected. This feature, in addition to its insulated, foreproof electric control box, makes this unit a truly reliable, intelligent choice.

➔ Golden Fin

Fin protection is important in all heat exchangers. The Golden Fin technology is more resistant to oxidation and corrosion than ordinary blue fins from traditional condensers. It can effectively prevent bacteria from breeding and spreading and withstand corrosive elements.

➔ Remote controller

With easy-to-use buttons and a bigger backlit screen with even more information at your disposal!



Dual filter

The first density pre filter can effectively prevent airborne particles. The second active carbon filter traps dangerous gases and annoying odors.

Smart Home

Possibility to control the unit from anywhere through the NetHOME Plus APP. Voice control is also available on Amazon Alexa and Google Home.

KID-05.3 S
Standard

SET MODEL			AKAY-CF 26 DR11	AKAY-CF 35 DR11	AKAY-CF 52 DR11	AKAY-CF 71 DR11
Indoor unit			KAY-CF 26 DR11	KAY-CF 35 DR11	KAY-CF 52 DR11	KAY-CF 71 DR11
Outdoor unit			KAE-C 26 DR11	KAE-C 35 DR11	KAE-C 52 DR11	KAE-C 71 DR11
Capacity	Cooling rated (min./max.)	kW	2.64 (0.91 / 3.4)	3.52 (1.11 / 4.16)	5.28 (0.34 / 5.83)	7.03 (2.08 / 7.91)
	Heating rated (min./max.)	kW	2.93 (0.82 / 3.37)	3.81 (1.08 / 4.22)	5.57 (0.31 / 5.85)	7.33 (1.61 / 7.91)
	Heating rated at -7°C	kW	2.46	2.56	4.07	6.03
Cooling input rated (min./max.)		W	732 (100 / 1240)	1213 (130 / 1580)	1550 (560 / 2050)	2600 (420 / 3150)
Heating input rated (min./max.)		W	733 (120 / 1200)	1088 (100 / 1680)	1570 (780 / 2000)	2400 (300 / 2750)
Heating input rated at -7°C		W	950	960	1650	2940
Energy efficiency	SEER - Energy class		6.3 - A++	6.1 - A++	7.4 - A++	6.1 - A++
	SCOP - Energy class		4 - A+	4 - A+	4 - A+	3.8 - A
	COP -7°C		2.6	2.66	2.47	2.05
Indoor unit	Air flow low/medium/high	m³/h	325 / 360 / 466	314 / 430 / 540	540 / 680 / 840	662 / 817 / 980
	Sound pressure low/medium/high	dB(A)	25 / 32 / 38.5	25 / 34.5 / 40.5	26 / 36 / 42.5	36 / 40.5 / 45
	Sound power level	dB(A)	54	55	56	59
	Width/height/depth	mm	805 / 285 / 194	805 / 285 / 194	957 / 302 / 213	1040 / 327 / 220
	Net weight	kg	7.6	7.6	10	12.3
Outdoor unit	Compressor type		Rotary	Rotary	Rotary	Rotary
	Air flow	m³/h	1800	1750	2100	3500
	Sound pressure	dB(A)	56	55.5	56	59
	Sound power level	dB(A)	63	62	63	67
	Width/height/depth	mm	720 / 495 / 270	720 / 495 / 270	805 / 554 / 330	890 / 673 / 342
	Net weight	kg	23.2	23.2	32.7	42.9
	Power supply	V/ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
	Power wiring	mm²	(2+T)x1.5	(2+T)x1.5	(2+T)x1.5	(2+T)x2.5
Communication wiring		mm²	(4+T)x1.5	(4+T)x1.5	(4+T)x1.5	(4+T)x2.5
Refrigerant	Type refrigerant		R-32	R-32	R-32	R-32
	Refrigerant charge	kg	0.55	0.55	1.08	1.42
	Liquid/gas pipe diameter	inch	1/4" / 3/8"	1/4" / 3/8"	1/4" / 1/2"	3/8" / 5/8"
	Piping max. length total/vertical	m	25 / 10	25 / 10	30 / 20	50 / 25
Working range	Outdoor temperature for cooling min./max.	°C	-15°C / 50°C	-15°C / 50°C	-15°C / 50°C	-15°C / 50°C
	Outdoor temperature for heating min./max.	°C	-15°C / 30°C	-15°C / 30°C	-15°C / 30°C	-15°C / 30°C
	Indoor temperature for cooling min./max.	°C	17°C / 32°C	17°C / 32°C	17°C / 32°C	17°C / 32°C
	Indoor temperature for heating min./max.	°C	0°C / 30°C	0°C / 30°C	0°C / 30°C	0°C / 30°C

COMPATIBLE CONTROLLERS

WiFi controller

FRIWF-USB-02

K01-WIFI

Cooling and heating capacity. Cooling and heating input. Energy efficiency: The energy coefficients are calculated under standard conditions. The actual operation conditions depend on the place in which the equipment has been installed and the use made of it.
Sound pressure: Measurement of the sound pressure is taken using an anechoic chamber at a distance of 1 m from the machine.
Supplementary charge: The initial charge of the machines is valid for the first 5 m (liquid line). A supplementary charge of 0.012 kg/m is required for greater distances per each additional metre.
NOTE: Before installing these units, current legislation regarding refrigerant gases must be consulted.

For further information, see our Controllers range.

PRODIGY

Prodigy wall unit, with its A+++ efficiency, represents a revolution in installation and preventive maintenance, all fitted with Kaysun avant-garde technology.

➔ Easy to install, maintain and clean

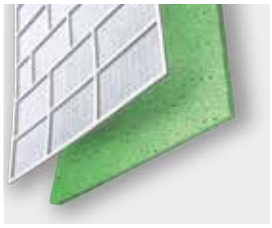
Prodigy series provides lots of space for piping/wiring connection and a better wiring terminal. Reducing installation time by 20% compared to normal air conditioners. Moreover, with the easily removable PCB and electrical components, and the possibility to remove filters without disassembling the unit, the maintenance time is reduced by 50%.

➔ K-Ion Technology

With the active bipolar ionization included, we can actively help neutralize particles, bacteria, virus, cells, odorous gases, aerosols and volatile organic compounds (VOCs) from the indoor air.

➔ Multifunction board (Optional)

The unit can be controlled from a wired controller, or connected to a centralised controller, BMS, or external compatible controllers (as Airzone).



Dual filter

The first density pre filter can effectively prevent airborne particles. The second active carbon filter traps dangerous gases and annoying odors.

Smart Home

Possibility to control the unit from anywhere through the NetHOME Plus APP. Voice control is also available on Amazon Alexa and Google Home.

KID-05.1 S
Standard

SET MODEL			AKAY-26 DR9	AKAY-35 DR9	AKAY-52 DR9	AKAY-71 DR9
Indoor unit			KAY-26 DR9	KAY-35 DR9	KAY-52 DR9	KAY-71 DR9
Outdoor unit			KAE-26 DR9	KAE-35 DR9	KAE-52 DR9	KAE-71 DR9
Capacity	Cooling rated (min./max.)	kW	2.64 (1.03 / 3.22)	3.52 (1.38 / 4.31)	5.28 (3.4 / 5.91)	7.03 (2.11 / 8.21)
	Heating rated (min./max.)	kW	2.93 (0.82 / 3.37)	3.81 (1.07 / 4.38)	5.57 (3.11 / 5.87)	7.33 (1.55 / 8.21)
	Heating rated at -7°C	kW	2.7	2.74	4.49	6.62
Cooling input rated (min./max.)		W	628 (90 / 1140)	1034 (130 / 1650)	1550 (560 / 2050)	2340 (420 / 3200)
Heating input rated (min./max.)		W	666 (110 / 1080)	1027 (160 / 1560)	1500 (780 / 2050)	2130 (300 / 3100)
Heating input rated at -7°C		W	1170	1260	1820	3180
Energy efficiency	SEER - Energy class		8.8 - A+++	8.5 - A+++	7.5 - A++	6.5 - A++
	SCOP - Energy class		4.6 - A++	4.6 - A++	4 - A+	4 - A+
	COP -7°C		2.31	2.18	2.46	2.08
Indoor unit	Air flow low/medium/high	m³/h	305 / 365 / 480	327 / 414 / 531	540 / 710 / 800	640 / 860 / 980
	Sound pressure low/medium/high	dB(A)	24 / 29 / 36.5	25 / 33 / 39	32 / 39 / 43.5	33 / 42 / 46
	Sound power level	dB(A)	53	53	56.5	62
	Width/height/depth	mm	805 / 302 / 193	805 / 302 / 193	964 / 325 / 222	1106 / 342 / 232
	Net weight	kg	8.7	8.7	11.3	14.2
Outdoor unit	Compressor type		Rotary	Rotary	Rotary	Rotary
	Air flow	m³/h	2150	2200	2100	3500
	Sound pressure	dB(A)	54.5	55	56	60.5
	Sound power level	dB(A)	59	61	64	69
	Width/height/depth	mm	765 / 555 / 303	765 / 555 / 303	805 / 554 / 330	890 / 673 / 342
	Net weight	kg	26.7	26.7	33.5	43.9
	Power supply	V/ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
	Power wiring	mm²	(2+T)x1.5	(2+T)x1.5	(2+T)x1.5	(2+T)x2.5
Communication wiring		mm²	(4+T)x1.5	(4+T)x1.5	(4+T)x1.5	(4+T)x2.5
Refrigerant	Type refrigerant		R-32	R-32	R-32	R-32
	Refrigerant charge	kg	0.62	0.62	1.1	1.45
	Liquid/gas pipe diameter	inch	1/4" / 3/8"	1/4" / 3/8"	1/4" / 1/2"	3/8" / 5/8"
	Piping max. length total/vertical	m	25 / 10	25 / 10	30 / 20	50 / 25
Working range	Outdoor temperature for cooling min./max.	°C	-15°C / 50°C	-15°C / 50°C	-15°C / 50°C	-15°C / 50°C
	Outdoor temperature for heating min./max.	°C	-15°C / 30°C	-15°C / 30°C	-15°C / 30°C	-15°C / 30°C
	Indoor temperature for cooling min./max.	°C	17°C / 32°C	17°C / 32°C	17°C / 32°C	17°C / 32°C
	Indoor temperature for heating min./max.	°C	0°C / 30°C	0°C / 30°C	0°C / 30°C	0°C / 30°C

COMPATIBLE CONTROLLERS

Wired controller

KC-03.2 SPS

WiFi controller

FRIWF-USB-02

K01-WIFI

Multifunction board

KMB-01

Cooling and heating capacity. Cooling and heating input. Energy efficiency: The energy coefficients are calculated under standard conditions. The actual operation conditions depend on the place in which the equipment has been installed and the use made of it.
Sound pressure: Measurement of the sound pressure is taken using an anechoic chamber at a distance of 1 m from the machine.
Supplementary charge: The initial charge of the machines is valid for the first 5 m (liquid line). A supplementary charge of 0.012 kg/m is required for greater distances per each additional metre.
NOTE: Before installing these units, current legislation regarding refrigerant gases must be consulted.

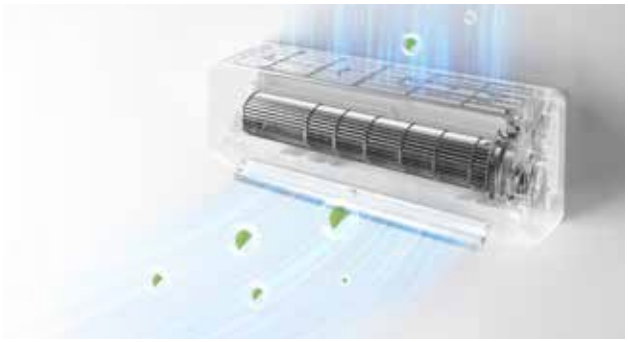
For further information, see our Controllers range.
KC-03.2 SPS: Multifunction board needed

ONNIX

An avant-garde design thanks to its V-shape and its mirror effect. Kaysun Onnix offers high energy efficiency and all the functions necessary for user comfort.

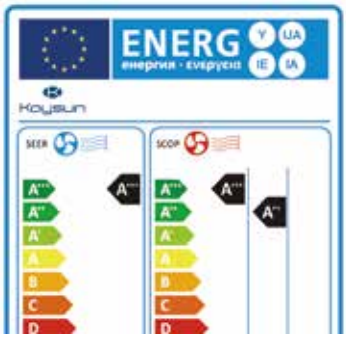
➔ V-shape design

Its original V-shape design, dark shade finishing and mirror-effect front side provide this unit with a very attractive modern appearance. The unit opens automatically when it switches on to increase airflow and it closes when it switches off to recover its compact appearance.



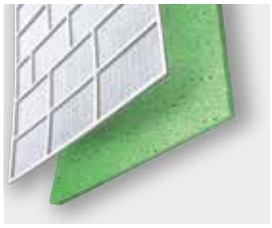
➔ K-Ion Technology

With the active bipolar ionization included, we can actively help neutralize particles, bacteria, virus, cells, odorous gases, aerosols and volatile organic compounds (VOCs) from the indoor air.



➔ Energy classification A+++

With an outstanding energy classification leader in the range, the unit provide an excellent air conditioning with great energy savings, due to its reduced consumption.



Dual filter

The first density pre filter can effectively prevent airborne particles. The second active carbon filter traps dangerous gases and annoying odors.

Smart Home

Possibility to control the unit from anywhere through the NetHOME Plus APP. Voice control is also available on Amazon Alexa and Google Home.

KID-05.1 S
Standard

R-32 REFRIGERANT | K-ION | ECO MODE | CONDENSATION CONTROL | 3D TECHNOLOGY | LOW SOUND LEVEL | FOLLOW ME | INTELLIGENT | SMART HOME | NIGHT MODE | TURBO MODE | SILENCE MODE | AUTOMATIC ADJUSTMENT OF BLADES | 8°C HEATING | LED DISPLAY | 1W STANDBY

SET MODEL			AKAY-D 35 DR9
Indoor unit			KAY-D 35 DR9
Outdoor unit			KAE-35 DR9
Capacity	Cooling rated (min./max.)	kW	3.52 (1.38 / 4.31)
	Heating rated (min./max.)	kW	3.81 (1.07 / 4.38)
	Heating rated at -7°C	kW	2.91
Cooling input rated		W	1034
Heating input rated		W	1034
Heating input rated at -7°C		W	1260
Energy efficiency	EER		3.4
	COP		3.71
	SEER - Energy class		8.6 - A+++
	SCOP - Energy class		4.6 - A++
	COP -7°C		2.31
Indoor unit	Air flow low/medium/high	m³/h	384 / 478 / 558
	Sound pressure low/medium/high	dB(A)	24 / 32 / 37.5
	Sound power level	dB(A)	51
	Width/height/depth	mm	897 / 312 / 182
	Net weight	kg	10.5
Outdoor unit	Compressor type		Rotary
	Air flow	m³/h	2200
	Sound pressure	dB(A)	54
	Sound power level	dB(A)	60
	Width/height/depth	mm	765 / 555 / 303
	Net weight	kg	26.7
	Power supply	V/ph/Hz	220-240/1/50
	Power wiring	mm²	(2+T)x1.5
Communication wiring		mm²	(4+T)x1.5
Refrigerant	Type refrigerant		R-32
	Refrigerant charge	kg	0.62
	Liquid/gas pipe diameter	inch	1/4" / 3/8"
	Piping max. length total/vertical	m	25 / 10
Working range	Outdoor temperature for cooling min./max.	°C	-15°C / 50°C
	Outdoor temperature for heating min./max.	°C	-15°C / 30°C
	Indoor temperature for cooling min./max.	°C	17°C / 32°C
	Indoor temperature for heating min./max.	°C	0°C / 30°C

COMPATIBLE CONTROLLERS

WiFi controller

FRIWF-USB-02

K01-WIFI

Cooling and heating capacity. Cooling and heating input. Energy efficiency: The energy coefficients are calculated under standard conditions. The actual operation conditions depend on the place in which the equipment has been installed and the use made of it.
Sound pressure: Measurement of the sound pressure is taken using an anechoic chamber at a distance of 1 m from the machine.
Supplementary charge: The initial charge of the machines is valid for the first 5 m (liquid line). A supplementary charge of 0.012 kg/m is required for greater distances per each additional metre.
NOTE: Before installing these units, current legislation regarding refrigerant gases must be consulted.

For further information, see our Controllers range.

SENSATION

NEW

With the customized design options of the new Sensation wall-mounted split, the unit becomes a real element of interior decoration. Great efficiency A+++/A++, K-Ion Technology, customized appearance, maximum comfort... A perfect combination into one unit, and as always, delivered by Kaysun.

➔ Complete coverage

Cool breeze can be sent out horizontally along the ceiling to a far distance, and settle down gently, avoiding the direct cold wind to the user. The heat flow sticks to the wall and slides vertically to the ground, warming up the whole room from bottom to top gradually, providing a cozy warmth similar to floor heating systems.

➔ Match with your interior design

Magnetic clothing panel with a variety of fashionable colors, easy to adapt to each home. The standard unit comes with a grey-color fabric cover and with an additional gold-color fabric cover as optional. More colors will be available in the future!

➔ Easy attach and easy clean

The colorful panel is made of anti-heat and anti-stain fabric material, which can be disassembled and cleaned very easily.

K-Ion Technology and Dual filter

The combination of the active bipolar ionization and dual filters can actively help neutralize particles, bacteria, virus cells, odorous gases, aerosols and volatile organic compounds (VOCs) from indoor air.

Smart Home

Possibility to control the unit from anywhere through the NetHOME Plus APP. Voice control is also available on Amazon Alexa and Google Home.

KID-05.1 S
Standard

R-32 REFRIGERANT | K-ION | ECO mode | CONDENSATION CONTROL | 3D TECHNOLOGY | INTELLIGENT | SMART HOME | NIGHT MODE | TURBO MODE | SILENCE MODE | 1W STANDBY | HERTZ | GOLDEN FIN

			PROVISIONAL DATA	
SET MODEL			**AKAY-S 26 DR9**	**AKAY-S 35 DR9**
Indoor unit			KAY-S 26 DR9	KAY-S 35 DR9
Outdoor unit			KAE-S 26 DR9	KAE-S 26 DR9
Capacity	Cooling rated (min./max.)	kW	2.64 (1.23 / 3.3)	3.52 (1.32 / 4.31)
	Heating rated (min./max.)	kW	2.93 (0.85 / 3.72)	3.81 (0.88 / 4.4)
Cooling input rated (min./max.)		W	600 (100 / 1260)	900 (130 / 1650)
Heating input rated (min./max.)		W	623 (110 / 1320)	950 (120 / 1500)
Energy efficiency	SEER - Energy class		8.8 - A+++	8.5 - A+++
	SCOP - Energy class		4.6 - A++	4.6 - A++
Indoor unit	Air flow low/medium/high	m³/h	425 / 515 / 700	425 / 515 / 700
	Sound pressure low/medium/high	dB(A)	21.5 / 32.5 / 40	21.5 / 32.5 / 40
	Sound power level	dB(A)	53	53
	Width/height/depth	mm	920 / 211 / 321	920 / 211 / 321
	Net weight	kg	11.3	11.3
Outdoor unit	Compressor type		Rotary	Rotary
	Air flow	m³/h	2200	2200
	Sound pressure	dB(A)	53.5	53.5
	Sound power level	dB(A)	58	62
	Width/height/depth	mm	765 / 555 / 303	765 / 555 / 303
	Net weight	kg	26.4	26.4
	Power supply	V/ph/Hz	220-240/1/50	220-240/1/50
	Power wiring	mm²	(2+T)x1.5	(2+T)x1.5
Communication wiring		mm²	(4+T)x1.5	(4+T)x1.5
Refrigerant	Type refrigerant		R-32	R-32
	Refrigerant charge	kg	0.7	0.7
	Liquid/gas pipe diameter	inch	1/4" / 3/8"	1/4" / 3/8"
	Piping max. length total/vertical	m	25 / 10	25 / 10
Working range	Outdoor temperature for cooling min./max.	°C	-15°C / 50°C	-15°C / 50°C
	Outdoor temperature for heating min./max.	°C	-15°C / 24°C	-15°C / 24°C
	Indoor temperature for cooling min./max.	°C	16°C / 32°C	16°C / 32°C
	Indoor temperature for heating min./max.	°C	0°C / 30°C	

COMPATIBLE CONTROLLERS

WiFi controller

FRIWF-USB-02

K01-WIFI

Cooling and heating capacity. Cooling and heating input. Energy efficiency: The energy coefficients are calculated under standard conditions. The actual operation conditions depend on the place in which the equipment has been installed and the use made of it.
Sound pressure: Measurement of the sound pressure is taken using an anechoic chamber at a distance of 1 m from the machine.
Supplementary charge: The initial charge of the machines is valid for the first 5 m (liquid line). A supplementary charge of 0.012 kg/m is required for greater distances per each additional metre.
NOTE: Before installing these units, current legislation regarding refrigerant gases must be consulted.
Colors may differ from the picture.

For further information, see our Controllers range.

DOUBLE FLOW CONSOLE

NEW

With its new elegant design and compact dimensions, this new version of the Double Flow Console can be adapted to all areas. Easy to install, equipped with the highest technological features and double air supply. It is possible to control it by WiFi and wired remote controller by a multifunction board.

➔ New design

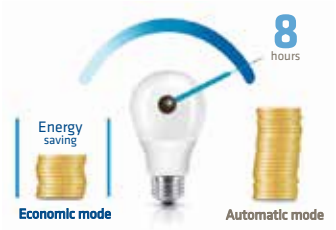
The unit has been completely redesigned, giving it a fresh and more modern look, perfect for every situation and atmosphere. This unit is also thinner than its precursor, great to make the most of space.

➔ Double air supply

Using one or both of its two air outlets depending on its heating/cooling mode, the unit can cool the room more efficiently.

➔ Smart Home

Ability to control the unit from anywhere using the Kaysun app. Voice control is also available on Alexa and Google Home.



ECO Mode

This technology enables energy savings in Economic mode vs. Automatic mode.

DC Inverter fan

The unit is equipped with low-consumption DC Inverter fans which provide more comfortable environments and attain high levels of energy efficiency.

KID-05 S
Recommended


R-32 REFRIGERANT


FOLLOW ME

HERTZ


DC INVERTER COMPRESSOR


DC INVERTER EXTERNAL FAN


DC INVERTER INTERNAL FAN

			PROVISIONAL DATA	
SET MODEL			**KSDA-35 DVR14**	**KSDA-52 DVR14**
Indoor unit			KSD-35 DR14	KSD-52 DR14
Outdoor unit			KUE-35 DVR13	KUE-52 DVR13
Capacity	**Cooling rated (min./max.)**	**kW**	3.52 (0.77 / 4.1)	5 (2.64 / 5.3)
	Heating rated (min./max.)	**kW**	3.81 (0.46 / 4.39)	4.98 (2.2 / 5.42)
Cooling input rated (min./max.)		**W**	1020 (174 / 1333)	1600 (651 / 2027)
Heating input rated (min./max.)		**W**	1090 (149 / 1418)	1548 (606 / 1816)
Energy efficiency	**SEER - Energy class**		7.3 - A++	6.5 - A++
	SCOP - Energy class		4 - A+	4 - A+
Indoor unit	**Air flow low/medium/high**	**m³/h**	420 / 520 / 620	510 / 620 / 670
	Sound pressure low/medium/high	**dB(A)**	33.5 / 38 / 41.5	36 / 39 / 45
	Sound power level	**dB(A)**	58	60
	Width/height/depth	**mm**	793 / 200 / 621	793 / 200 / 621
	Net weight	**kg**	14.6	14.7
	Power supply	**V/ph/Hz**	With communication	With communication
	Power wiring	**mm²**	With communication	With communication
Outdoor unit	**Compressor type**		Rotary	Rotary
	Air flow	**m³/h**	2200	2100
	Sound pressure	**dB(A)**	53.6	56
	Sound power level	**dB(A)**	62	64
	Width/height/depth	**mm**	765 / 555 / 303	805 / 554 / 330
	Net weight	**kg**	26.6	32.5
	Power supply	**V/ph/Hz**	220-240/1/50	220-240/1/50
	Power wiring	**mm²**	(2+T)x1.5	(2+T)x1.5
Shielded communication wiring		**mm²**	4x1	4x1
Refrigerant	**Type refrigerant**		R-32	R-32
	Refrigerant charge	**kg**	0.72	1.15
	Liquid/gas pipe diameter	**inch**	1/4" / 3/8"	1/4" / 1/2"
	Piping max. length total/vertical	**m**	25 / 10	30 / 20
Working range	**Outdoor temperature for cooling min./max.**	**°C**	-15°C / 50°C	-15°C / 50°C
	Outdoor temperature for heating min./max.	**°C**	-15°C / 24°C	-15°C / 24°C
	Indoor temperature for cooling min./max.	**°C**	16°C / 32°C	16°C / 32°C
	Indoor temperature for heating min./max.	**°C**	0°C / 30°C	0°C / 30°C

COMPATIBLE CONTROLLERS

Wired controller


KC-03.2 SPS

WiFi controller


FRIWF-USB-02


K01-WIFI

Multifunction board


KMB-01

For further information, see our Controllers range.
KC-03.2 SPS: Multifunction board needed

Cooling and heating capacity. Cooling and heating input. Energy efficiency: Data for standard conditions. The actual operation conditions depend on the place in which the equipment has been installed and the use made of it.
Sound pressure: Measurement of the sound pressure is taken using a semi-anechoic chamber at a distance of 1 m from the machine.
Power wiring: The power wiring is up to 10 m approximately. It must be calculated more precisely for each installation.
Supplementary charge: The initial factory charge of the machines is valid for the first 5 m (liquid line). For greater distances, a supplementary charge is required, in accordance with the formula 0.012 kg/m × (L-5) in the liquid line is 1/4". For greater diameters, use 0.024 kg/m × (L-5).
Compatible controllers: The units can integrate one of the controllers from the table or the one recommended by Kaysun. For further information regarding compatibility, see the chapter on Controllers.
NOTE: Before installing these units, current legislation regarding refrigerant gases must be consulted.

SUITE
Residential Product Range

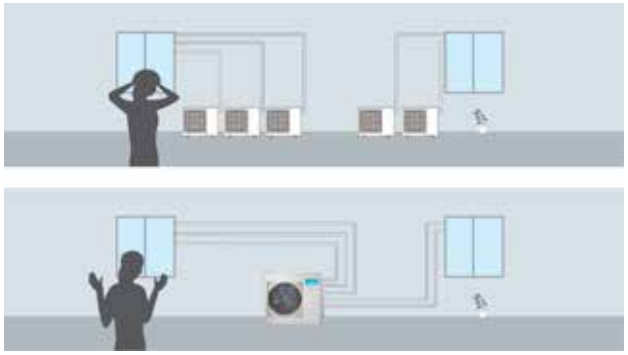
SUITE MULTISYSTEM

Residential Product Range

SUITE MULTISYSTEM. Residential Product Range

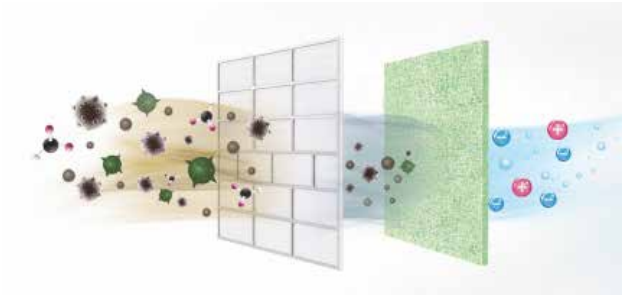
The Kaysun Multisystem range is designed to provide comfort and technology to every space. This is a flexible and versatile range that allows multiple combinations with different types of indoor units. All outdoor units are fitted with a DC Inverter compressor and fan, while all indoor units also have a DC Inverter fan. These units are the perfect solution for small spaces in which a larger scale installation is not possible.

➔ Installation space saving



The Multisystem units are designed to save outdoor space, as up to 5 indoor units can be connected to a single outdoor unit.

➔ Anti-allergen and anti-odour filters



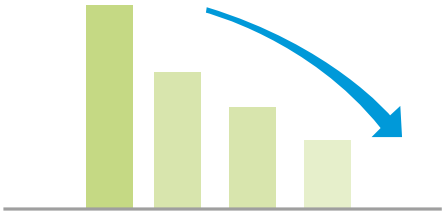
All indoor Kaysun indoor wall units are fitted with two filters. The high-density filter that removes 80% of dust and pollen, in which the anti-dust effect is 50% greater than for a standard filter. And the active carbon filter which cleans the air of bacteria and unpleasant odours.

R-32 Refrigerant

The Multisystem domestic range is available with R-32 refrigerant. The main characteristics of R-32 are that its atmospheric warming potential of 675 (less than that for R-410A) is more economical and is 2-9% more efficient with a lower charging volume.

➔ Low-power equipment

Through seeking efficiency, comfort and energy savings for the user, Kaysun only uses components in its units that meet the appropriate characteristics in order to achieve this aim. The main components are the Twin DC Rotary Inverter Compressors and the DC fans to ensure minimum consumption and maximum performance.



➔ Twin DC Rotary Inverter Compressor

The outdoor units in the Kaysun domestic range feature a Twin DC Rotary Inverter compressor. Thanks to its design, this type of high-efficiency, compact compressor reduces operating vibration and, as a consequence, the sound level of the outdoor unit. In addition, it allows greater regulation of capacity and comfort. This technology is also known as Twin Rotary.

➔ DC fans

All fan motors in the Kaysun Suite units are direct current. These fans feature low power consumption, excellent efficiency and high performance, accompanied by the ideal fan running speed.

➔ WiFi

It is possible to control Kaysun units via a tablet or smartphone as an option. It can be set to manage the units remotely, and programmed weekly.

Versatility of indoor units

Apart from the wall-mounted units, within the Kaysun Multisystem range there are also cassette units, ducts, and an Air-To-Water hydraulic kit.

OUTDOOR UNITS MULTISYSTEM

MODEL			KAM2-42 DR7 KAM2-42 DR8 (*)	KAM2-52 DR7.1 KAM2-52 DR8 (*)	KAM3-62 DR7 KAM3-62 DR8 (*)	KAM3-78 DR7.1 KAM3-78 DR8 (*)
Capacity	Cooling rated	kW	4.1	5.28	6.15	7.91
	Heating rated	kW	4.39	5.57	6.59	8.21
	Heating rated at -7°C	kW	3.5	3.62	4.13	6.52
Cooling input rated		W	1270	1630	1900	2450
Heating input rated		W	1200	1500	1770	2200
Heating input rated at -7°C		W	1620	1490	1750	3080
Energy efficiency	SEER - Energy class		6.8 - A++	6.6 - A++	6.5 - A++	6.7 - A++
	SCOP warm areas - Energy class		4 - A+	4 - A+	4 - A+	4 - A+
	COP -7°C		3.19	3.2	3.1	3.13
No. indoor units			2	2	3	3
Outdoor unit	Compressor type		Rotary	Rotary	Rotary	Rotary
	Air flow	m³/h	2200	2200	3000	2700
	Sound pressure	dB(A)	57	56	57.5	54
	Sound power level	dB(A)	66	63	66	67
	Width/height/depth	mm	800 / 554 / 333	800 / 554 / 333	845 / 702 / 363	845 / 702 / 363
	Net weight	kg	31.6	35.5	46.8	53
	Power supply	V/ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
	Power wiring	mm²	(2+T)x2.5	(2+T)x2.5	(2+T)x4	(2+T)x4
Communication wiring		mm²	(3+T)x2.5	(3+T)x2.5	(3+T)x2.5	(3+T)x2.5
Refrigerant	Type refrigerant		R-32	R-32	R-32	R-32
	Refrigerant charge	kg	0.9	1.25	1.4	1.72
	Pre-charge meters	m	15	15	22.5	22.5
	Liquid/gas pipe diameter	inch	2x 1/4" / 2x 3/8"	2x 1/4" / 2x 3/8"	3x 1/4" / 3x 3/8"	3x 1/4" / 3x 3/8"
	Piping max. length total/vertical	m	40 / 15	40 / 15	60 / 15	60 / 15
	Piping max. length (1 indoor unit)	m	15	15	30	30
	Height difference between indoor units	m	10	10	10	10
Working range	Outdoor temperature for cooling min./max.	°C	-15°C / 50°C	-15°C / 50°C	-15°C / 50°C	-15°C / 50°C
	Outdoor temperature for heating min./max.	°C	-15°C / 24°C	-15°C / 24°C	-15°C / 24°C	-15°C / 24°C

Cooling and heating capacity. Cooling and heating input. Energy efficiency: The energy coefficients are calculated under standard conditions. The actual operation conditions depend on the place in which the equipment has been installed and the use made of it.
Sound pressure: Measurement of the sound pressure is taken using an anechoic chamber at a distance of 1 m from the machine.
Power wiring: The power wiring is up to 10 m approximately. It must be calculated more precisely for each installation.
Supplementary charge: The initial charging of the outdoor machines is valid for the first 7.5 m (liquid line). A supplementary charge of 0.012 kg/m is required for greater distances per each additional metre.
NOTE: Before installing these units, current legislation regarding refrigerant gases must be consulted.
(*): Check availability. Models available from summer 2022, with the end of stock of the current models.

R-32 REFRIGERANT | CONDENSATION CONTROL | DC INVERTER COMPRESSOR | DC INVERTER EXTERNAL FAN

			Unit compatible with Hydraulic kit		
MODEL			**KAM4-80 DR7**	**KAM4-105 DR7**	**KAM5-120 DR8**
Capacity	**Cooling rated**	**kW**	8.2	10.55	12.31
	Heating rated	**kW**	8.79	11.14	12.6
	Heating rated at -7°C	**kW**	5.81	7.33	8.54
Cooling input rated		**W**	2500	3265	3800
Heating input rated		**W**	2400	2840	3300
Heating input rated at -7°C		**W**	2840	4010	4077
Energy efficiency	**SEER - Energy class**		6.5 - A++	6.5 - A++	6.5 - A++
	SCOP warm areas - Energy class		4 - A+	3.8 - A	3.7 - A
	COP -7°C		3.1	3.11	2.1
No. indoor units			4	4	5
Outdoor unit	**Compressor type**		Rotary	Rotary	Rotary
	Air flow	**m³/h**	3800	4000	3850
	Sound pressure	**dB(A)**	61	63	61.5
	Sound power level	**dB(A)**	69	68	70
	Width/height/depth	**mm**	946 / 810 / 410	946 / 810 / 410	946 / 810 / 410
	Net weight	**kg**	62.1	68.8	74.1
	Power supply	**V/ph/Hz**	220-240/1/50	220-240/1/50	220-240/1/50
	Power wiring	**mm²**	(2+T)x4	(2+T)x6	(2+T)x6
Communication wiring		**mm²**	(3+T)x2.5	(3+T)x2.5	(3+T)x2.5
Refrigerant	**Type refrigerant**		R-32	R-32	R-32
	Refrigerant charge	**kg**	2.1	2.1	2.9
	Pre-charge meters	**m**	30	30	37.5
	Liquid/gas pipe diameter	**inch**	4x 1/4" / 3x 3/8" + 1x 1/2"	4x 1/4" / 3x 3/8" + 1x 1/2"	5x 1/4" / 4x 3/8" + 1x 1/2"
	Piping max. length total/vertical	**m**	80 / 15	80 / 15	80 / 15
	Piping max. length (1 indoor unit)	**m**	35	35	35
	Height difference between indoor units	**m**	10	10	10
Working range	**Outdoor temperature for cooling min./max.**	**°C**	-15°C / 50°C	-15°C / 50°C	-15°C / 50°C
	Outdoor temperature for heating min./max.	**°C**	-15°C / 24°C	-15°C / 24°C	-15°C / 24°C

Cooling and heating capacity. Cooling and heating input. Energy efficiency: The energy coefficients are calculated under standard conditions. The actual operation conditions depend on the place in which the equipment has been installed and the use made of it.
Sound pressure: Measurement of the sound pressure is taken using an anechoic chamber at a distance of 1 m from the machine.
Power wiring: The power wiring is up to 10 m approximately. It must be calculated more precisely for each installation.
Supplementary charge: The initial charging of the outdoor machines is valid for the first 7.5 m (liquid line). A supplementary charge of 0.012 kg/m is required for greater distances per each additional metre.
NOTE: Before installing these units, current legislation regarding refrigerant gases must be consulted.
(*): Check availability. Models available from summer 2022, with the end of stock of the current models.

INDOOR UNITS MULTISYSTEM

CASUAL

KID-05.3 S
Standard

MODEL			KAY-CF 26 DR11	KAY-CF 35 DR11	KAY-CF 52 DR11	KAY-CF 71 DR11
Capacity	Cooling rated	kW	2.64	3.52	5.28	7.03
	Heating rated	kW	2.93	3.81	5.57	7.33
Indoor unit	Air flow low/medium/high	m³/h	325 / 360 / 466	314 / 430 / 540	549 / 680 / 840	662 / 817 / 980
	Sound pressure low/medium/high	dB(A)	25 / 32 / 38.5	25 / 34.5 / 40.5	26 / 36 / 42.5	36 / 40.5 / 45
	Sound power level	dB(A)	54	55	56	59
	Width/height/depth	mm	805 / 285 / 194	805 / 285 / 194	957 / 302 / 213	1040 / 327 / 220
	Net weight	kg	7.6	7.6	10	12.3
Communication wiring		mm²	(3+T)x2.5	(3+T)x2.5	(3+T)x2.5	(3+T)x2.5
Refrigerant	Liquid/gas pipe diameter	inch	1/4" / 3/8"	1/4" / 3/8"	1/4" / 1/2"	3/8" / 5/8"
			See compatibility of controllers in the range 1x1			

PRODIGY

KID-05.1 S
Standard

			KAY-20 DR9	KAY-26 DR9	KAY-35 DR9	KAY-52 DR9	KAY-71 DR9
Capacity	Cooling rated	kW	2.05	2.64	3.52	5.28	7.03
	Heating rated	kW	2.64	2.93	3.81	5.57	7.33
Indoor unit	Air flow low/medium/high	m³/h	305 / 365 / 480	305 / 365 / 480	327 / 414 / 531	540 / 710 / 800	640 / 860 / 980
	Sound pressure low/medium/high	dB(A)	24 / 29 / 36.5	24 / 29 / 36.5	25 / 33 / 39	32 / 39 / 43.5	33 / 42 / 46
	Sound power level	dB(A)	53	53	53	56.5	62
	Width/height/depth	mm	805 / 302 / 193	805 / 302 / 193	805 / 302 / 193	964 / 325 / 222	1106 / 342 / 232
	Net weight	kg	8.7	8.7	8.7	11.3	14.2
Communication wiring		mm²	(3+T)x2.5	(3+T)x2.5	(3+T)x2.5	(3+T)x2.5	(3+T)x2.5
Refrigerant	Liquid/gas pipe diameter	inch	1/4" / 3/8"	1/4" / 3/8"	1/4" / 3/8"	1/4" / 1/2"	3/8" / 5/8"
			See compatibility of controllers in the range 1x1				

ONNIX

KID-05.1 S
Standard

MODEL			KAY-D 26 DR9	KAY-D 35 DR9
Capacity	Cooling rated	kW	2.64	3.52
	Heating rated	kW	3.22	3.81
Indoor unit	Air flow low/medium/high	m³/h	384 / 478 / 558	384 / 478 / 558
	Sound pressure silence/low/medium/high	dB(A)	21 / 24 / 32 / 37.5	21 / 24 / 32 / 37.5
	Sound power level	dB(A)	51	51
	Width/height/depth	mm	897 / 312 / 182	897 / 312 / 182
	Net weight	kg	10.5	10.5
Communication wiring		mm²	(3+T)x2.5	(3+T)x2.5
Refrigerant	Liquid/gas pipe diameter	inch	1/4" / 3/8"	1/4" / 3/8"
			See compatibility of controllers in the range 1x1	

SENSATION

KID-05.1 S
Standard

MODEL			KAY-S 26 DR9	KAY-S 35 DR9
Capacity	Cooling rated	kW	2.64	3.52
	Heating rated	kW	2.93	3.81
Indoor unit	Air flow low/medium/high	m³/h	425 / 515 / 700	425 / 515 / 700
	Sound pressure low/medium/high	dB(A)	21.5 / 32.5 / 40	21.5 / 32.5 / 40
	Sound power level	dB(A)	53	53
	Width/height/depth	mm	920 / 211 / 321	920 / 211 / 321
	Net weight	kg	11.3	11.3
Communication wiring		mm²	(3+T)x2.5	(3+T)x2.5
Refrigerant	Liquid/gas pipe diameter	inch	1/4" / 3/8"	1/4" / 3/8"
			See compatibility of controllers in the range 1x1	

KID-05 S
Recommended

DOUBLE FLOW CONSOLE

MODEL			KSD-35 DR14	KSD-52 DR14
Capacity	Cooling rated	kW	3.52	5
	Heating rated	kW	3.81	4.98
Indoor unit	Air flow low/medium/high	m³/h	420 / 520 / 620	510 / 620 / 670
	Sound pressure low/medium/high	dB(A)	33.5 / 38 / 41.5	36 / 39 / 45
	Sound power level	dB(A)	58	60
	Width/height/depth	mm	793 / 200 / 621	793 / 200 / 621
	Net weight	kg	10.5	10.5
Communication wiring		mm²	(3+T)x2.5	(3+T)x2.5
Refrigerant	Liquid/gas pipe diameter	inch	1/4" / 3/8"	1/4" / 1/2"
			See compatibility of controllers in the range 1x1	

KC-03.1 SPS
Recommended

DUCTS

MODEL COMPATIBLE WITH WiFi MODEL COMPATIBLE WITH XYE			KPD-35 DR13 KPD-35 DR13-X	KPD-52 DR13 KPD-52 DR13-X	KPD-71 DR13 KPD-71 DR13-X
Capacity	Cooling rated	kW	3.52	5.28	7.03
	Heating rated	kW	3.81	5.57	7.62
Indoor unit	Air flow low/medium/high	m³/h	300 / 500 / 600	420 / 670 / 870	825.1 / 1035 / 1229
	Sound pressure low/medium/high	dB(A)	29.8 / 33.5 / 36	26 / 29.8 / 35	37 / 40 / 42
	Max. pressure available	Pa	60	100	160
	Sound power level	dB(A)	59	59	67
	Width/height/depth	mm	700 / 200 / 506	880 / 210 / 674	1100 / 249 / 774
	Air inlet width/height	mm	599/186	782/190	1001/228
	Air outler width/height	mm	537/152	706/136	926/175
	Net weight	kg	17.8	24.4	32.3
Communication wiring		mm²	(3+T)x2.5	(3+T)x2.5	(3+T)x2.5
Refrigerant	Liquid/gas pipe diameter	inch	1/4" / 3/8"	1/4" / 1/2"	3/8" / 5/8"
			See compatibility of controllers in the range Zen		

Model KPD-35 can be configured as 2.0 or 2.6 kW with a switch.

KID-05 S
Recommended

CASSETTES 600x600 & 840x840

MODEL			KCI-26 DMR13	KCI-35 DR13	KCI-52 DR13	KCIS-71 DR13
Capacity	Cooling rated	kW	2.63	3.52	5.28	7.03
	Heating rated	kW	2.93	3.81	5.57	7.62
Indoor unit	Air flow low/medium/high	m³/h	450 / 500 / 580	389 / 485 / 569	479 / 584 / 680	1000 / 1140 / 1300
	Sound pressure low/medium/high	dB(A)	29 / 33 / 38	34.5 / 37.5 / 42	39 / 44 / 45.4	39.5 / 42.5 / 45.5
	Sound power level	dB(A)	53	57	59	57
	Width/height/depth	mm	570 / 260 / 570	570 / 260 / 570	570 / 260 / 570	830 / 205 / 830
	Net weight	kg	14.7	16.3	16	21.6
Panel	Width/height/depth	mm	647 / 50 / 647	647 / 50 / 647	647 / 50 / 647	950 / 55 / 950
	Net weight	kg	2.5	2.5	2.5	6
Communication wiring		mm²	(3+T)x2.5	(3+T)x2.5	(3+T)x2.5	(3+T)x2.5
Refrigerant	Liquid/gas pipe diameter	inch	1/4" / 3/8"	1/4" / 3/8"	1/4" / 1/2"	3/8" / 5/8"
			See compatibility of controllers in the range Zen			

WALL-HUNG HYDRAULIC KIT

INDOOR UNIT			KHHP-BI
Power supply		V/ph/Hz	220-240/1/50
Capacity	Heating (A+7°C, LW35°C)	kW	8
	COP		4.4
	Heating (A+2°C, LW55°C)	kW	8
	COP		2.1
Indoor unit	Sound pressure	dB(A)	32
	Sound power level	dB(A)	44
	Width/height/depth	mm	490 / 918 / 325
	Net weight	kg	56
	Electrical heater	kW	3100
			Compatible with outdoor unit KAM4-105 DR7

Cooling and heating capacity: The energy coefficients are calculated under standard conditions. The actual operation conditions depend on the place in which the equipment has been installed and the use made of it.
Sound pressure: Measurement of the sound pressure is taken using an anechoic chamber at a distance of 1 m from the machine.
Communication wiring: The supply to the unit is made via communication wire.
NOTE: Before installing these units, current legislation regarding refrigerant gases must be consulted.
Ducts: The -X version is NOT compatible with K03 WIFI LCAC WiFi. The -X version must be selected when the centralised controller, BMS or Airzone-type gateway is to be used. The KPD-35 model can be set at 2.0 and 2.6 kW.

COMBINED SYSTEMS

2x1

R-32

KAM2-42 DR7 & KAM2-42 DR8 (R-32)

COOLING

Comb. Indoor Unit		Rated Capacity (kW)		Cooling Capacity (kW)			Power Input (kW)			SEER	Energy Class
A	B	A	B	Min.	Rated	Max.	Min.	Rated	Max.		
20	–	2.0	–	1.2	2.0	2.9	0.3	0.6	0.8	–	–
26	–	2.5	–	1.2	2.5	3.2	0.3	0.8	1.0	–	–
35	–	3.5	–	1.2	3.5	3.9	0.3	1.1	1.3	–	–
52	–	4.1	–	1.4	4.1	4.9	0.4	1.3	1.6	–	–
20	20	2.1	2.1	1.8	4.1	4.9	0.4	1.3	1.6	6.8	A++
20	26	1.8	2.3	1.8	4.1	4.9	0.4	1.3	1.6	6.8	A++
20	35	1.5	2.6	1.8	4.1	4.9	0.4	1.3	1.6	6.8	A++
26	26	2.1	2.1	1.8	4.1	4.9	0.4	1.3	1.6	6.8	A++
26	35	1.8	2.3	1.8	4.1	4.9	0.4	1.3	1.6	6.8	A++

HEATING

Comb. Indoor Unit		Rated Capacity (kW)		Heating Capacity (kW)			Power Input (kW)			SCOP	Energy Class
A	B	A	B	Min.	Rated	Max.	Min.	Rated	Max.		
20	–	2.5	–	1.3	2.5	2.8	0.3	0.7	0.8	–	–
26	–	2.9	–	1.3	2.9	3.4	0.3	0.8	1.0	–	–
35	–	3.8	–	1.3	3.8	4.3	0.3	1.0	1.3	–	–
52	–	4.4	–	1.5	4.4	5.2	0.4	1.2	1.5	–	–
20	20	2.2	2.2	1.9	4.4	5.3	0.4	1.2	1.5	4.0	A+
20	26	1.9	2.5	1.9	4.4	5.3	0.4	1.2	1.5	4.0	A+
20	35	1.6	2.8	1.9	4.4	5.3	0.4	1.2	1.5	4.0	A+
26	26	2.2	2.2	1.9	4.4	5.3	0.4	1.2	1.5	4.0	A+
26	35	1.9	2.5	1.9	4.4	5.3	0.4	1.2	1.5	4.0	A+

KAM2-52 DR7.1 & KAM2-52 DR8 (R-32)

COOLING

Comb. Indoor Unit		Rated Capacity (kW)		Cooling Capacity (kW)			Power Input (kW)			SEER	Energy Class
A	B	A	B	Min.	Rated	Max.	Min.	Rated	Max.		
26	–	2.5	–	1.4	2.5	3.3	0.4	0.7	0.9	–	–
35	–	3.5	–	1.4	3.5	3.9	0.4	1.0	1.3	–	–
52	–	5.0	–	1.6	5.0	5.5	0.5	1.5	1.9	–	–
20	20	2.1	2.1	2.1	4.2	5.6	0.5	1.2	2.0	6.1	A++
20	26	2.1	2.6	2.1	4.7	5.8	0.5	1.5	2.0	6.1	A++
20	35	1.9	3.3	2.1	5.2	6.4	0.5	1.6	2.0	6.1	A++
26	26	2.6	2.6	2.1	5.3	6.4	0.5	1.6	2.0	6.6	A++
26	35	2.3	3.0	2.1	5.3	6.4	0.5	1.6	2.0	6.6	A++
26	52	1.8	3.6	2.1	5.4	6.5	0.5	1.7	2.0	6.6	A++
35	35	2.7	2.7	2.1	5.3	6.4	0.5	1.6	2.0	6.6	A++

HEATING

Comb. Indoor Unit		Rated Capacity (kW)		Heating Capacity (kW)			Power Input (kW)			SCOP	Energy Class
A	B	A	B	Min.	Rated	Max.	Min.	Rated	Max.		
26	–	3.0	–	1.6	3.0	3.8	0.3	0.8	1.0	–	–
35	–	3.8	–	1.6	3.8	4.6	0.3	1.0	1.2	–	–
52	–	5.3	–	1.7	5.3	5.8	0.4	1.4	1.7	–	–
20	20	2.5	2.5	2.2	5.0	6.0	0.5	1.3	1.9	4.0	A+
20	26	2.3	3.0	2.2	5.3	6.1	0.5	1.4	1.9	4.0	A+
20	35	2.0	3.5	2.2	5.5	6.4	0.5	1.5	1.9	4.0	A+
26	26	2.8	2.8	2.2	5.6	6.8	0.5	1.4	1.9	4.0	A+
26	35	2.4	3.2	2.2	5.6	6.8	0.5	1.4	1.9	4.0	A+
26	52	1.9	3.9	2.2	5.8	6.9	0.5	1.5	1.9	4.0	A+
35	35	2.8	2.8	2.2	5.6	6.8	0.5	1.4	1.9	4.0	A+

3x1

R-32

KAM3-62 DR7 & KAM3-62 DR8 (R-32)

COOLING

Comb. Indoor Unit			Rated Capacity (kW)			Cooling Capacity (kW)			Power Input (kW)			SEER	Energy Class
A	B	C	A	B	C	Min.	Rated	Max.	Min.	Rated	Max.		
20	–	–	2.0	–	–	1.4	2.0	2.9	0.4	0.6	0.8	–	–
26	–	–	2.5	–	–	1.4	2.5	3.2	0.4	0.8	1.0	–	–
35	–	–	3.5	–	–	1.4	3.5	3.9	0.4	1.1	1.3	–	–
52	–	–	5.0	–	–	1.6	5.0	6.5	0.5	1.5	1.8	–	–
20	20	–	2.1	2.1	–	2.0	4.2	5.5	0.6	1.3	1.9	6.1	A++
20	26	–	2.1	2.6	–	2.0	4.7	5.8	0.6	1.5	2.0	6.1	A++
20	35	–	2.0	3.3	–	2.0	5.3	6.1	0.6	1.6	2.1	6.1	A++
20	52		1.8	4.5	–	2.0	6.3	6.8	0.6	2.0	2.2	6.1	A++
26	26	–	2.7	2.7	–	2.0	5.3	6.4	0.6	1.6	2.1	6.1	A++
26	35	–	2.6	3.4	–	2.0	6.0	6.6	0.6	1.9	2.1	6.1	A++
26	52	–	2.1	4.2	–	2.0	6.3	6.8	0.6	1.9	2.2	6.1	A++
35	35	–	3.1	3.1	–	2.0	6.2	6.8	0.6	1.9	2.2	6.1	A++
20	20	20	2.0	2.0	2.0	2.4	6.1	7.2	0.7	1.9	2.4	6.5	A++
20	20	26	1.9	1.9	2.5	2.4	6.3	7.3	0.7	2.0	2.4	6.5	A++
20	20	35	1.7	1.7	2.9	2.4	6.3	7.3	0.7	1.9	2.4	6.5	A++
20	26	26	1.8	2.3	2.3	2.4	6.3	7.3	0.7	1.9	2.4	6.5	A++
26	26	26	2.1	2.1	2.1	2.4	6.3	7.3	0.7	1.9	2.4	6.5	A++

HEATING

Comb. Indoor Unit			Rated Capacity (kW)			Heating Capacity (kW)			Power Input (kW)			SCOP	Energy Class
A	B	C	A	B	C	Min.	Rated	Max.	Min.	Rated	Max.		
20	–	–	2.5	–	–	1.4	2.5	3.0	0.4	0.7	0.8	–	–
26	–	–	3.0	–	–	1.4	3.0	3.6	0.4	0.8	1.0	–	–
35	–	–	3.8	–	–	1.4	3.8	4.6	0.4	1.0	1.2	–	–
52	–	–	5.2	–	–	1.8	5.2	6.8	0.5	1.4	2.0	–	–
20	20	–	2.5	2.5	–	2.2	5.0	5.9	0.5	1.3	1.8	3.8	A
20	26	–	2.5	3.2	–	2.2	5.6	6.3	0.5	1.5	1.9	3.8	A
20	35	–	2.2	3.7	–	2.2	5.9	6.6	0.5	1.6	1.9	3.8	A
20	52		1.8	4.7	–	2.2	6.5	7.4	0.5	1.8	2.0	4.0	A+
26	26	–	3.0	3.0	–	2.2	5.9	6.9	0.5	1.6	1.9	3.8	A
26	35	–	2.7	3.6	–	2.2	6.3	7.1	0.5	1.7	2.0	4.0	A+
26	52	–	2.2	4.4	–	2.2	6.6	7.4	0.5	1.8	2.0	4.0	A+
35	35	–	3.2	3.2	–	2.2	6.3	7.4	0.5	1.7	2.0	4.0	A+
20	20	20	2.2	2.2	2.2	2.3	6.6	7.8	0.6	1.8	2.2	4.0	A+
20	20	26	2.0	2.0	2.6	2.3	6.7	7.8	0.6	1.8	2.2	4.0	A+
20	20	35	1.8	1.8	3.1	2.3	6.7	7.9	0.6	1.8	2.2	4.0	A+
20	26	26	1.9	2.4	2.4	2.3	6.7	7.9	0.6	1.8	2.2	4.0	A+
26	26	26	2.2	2.2	2.2	2.3	6.7	7.9	0.6	1.8	2.2	4.0	A+

KAM3-78 DR7.1 & KAM3-78 DR8 (R-32)

COOLING

Comb. Indoor Unit			Rated Capacity (kW)			Cooling Capacity (kW)			Power Input (kW)			SEER	Energy Class
A	B	C	A	B	C	Min.	Rated	Max.	Min.	Rated	Max.		
20	–	–	2.0	–	–	1.6	2.0	2.9	0.4	0.6	0.8	–	–
26	–	–	2.5	–	–	1.6	2.5	3.2	0.4	0.8	1.0	–	–
35	–	–	3.5	–	–	1.6	3.5	3.9	0.4	1.1	1.3	–	–
52	–	–	5.0	–	–	1.8	5.0	6.5	0.5	1.5	1.8	–	–
20	20	–	2.1	2.1	–	2.2	4.2	6.3	0.6	1.3	2.1	5.6	A+
20	26	–	2.1	2.6	–	2.2	4.7	6.7	0.6	1.5	2.2	5.6	A+
20	35	–	2.0	3.3	–	2.2	5.3	7.1	0.6	1.6	2.4	5.6	A+
20	52	–	1.8	4.7	–	2.2	6.5	7.9	0.6	2.0	2.7	5.6	A+
26	26	–	2.7	2.7	–	2.2	5.3	7.1	0.6	1.6	2.4	5.6	A+
26	35	–	2.6	3.4	–	2.2	6.0	7.5	0.6	1.9	2.6	5.6	A+
26	52	–	2.3	4.5	–	2.2	6.8	7.9	0.6	2.1	2.7	5.6	A+
35	35	–	3.2	3.2	–	2.2	6.3	7.7	0.6	1.9	2.6	5.6	A+
35	52	–	2.7	4.1	–	2.2	6.8	7.9	0.6	2.1	2.7	5.6	A+
20	20	20	2.4	2.4	2.4	2.8	7.3	8.7	0.8	2.3	2.9	6.1	A++
20	20	26	2.3	2.3	2.9	2.8	7.4	8.7	0.8	2.3	2.9	6.1	A++
20	20	35	2.1	2.1	3.6	2.8	7.9	8.7	0.8	2.4	2.9	6.1	A++
20	26	26	2.1	2.7	2.7	2.8	7.6	8.7	0.8	2.4	2.9	6.1	A++
20	26	35	2.0	2.5	3.4	2.8	7.9	8.7	0.8	2.4	2.9	6.1	A++
20	35	35	1.8	3.1	3.1	2.8	7.9	8.7	0.8	2.4	2.9	6.1	A++
26	26	26	2.6	2.6	2.6	2.8	7.9	8.7	0.8	2.4	2.9	6.1	A++
26	26	35	2.4	2.4	3.2	2.8	7.9	8.7	0.8	2.4	2.9	6.1	A++
26	35	35	2.2	2.9	2.9	2.8	7.9	8.7	0.8	2.4	2.9	6.1	A++
35	35	35	2.6	2.6	2.6	2.8	7.9	8.7	0.8	2.4	2.9	6.1	A++

HEATING

Comb. Indoor Unit			Rated Capacity (kW)			Heating Capacity (kW)			Power Input (kW)			SCOP	Energy Class
A	B	C	A	B	C	Min.	Rated	Max.	Min.	Rated	Max.		
20	–	–	2.5	–	–	1.6	2.5	2.9	0.4	0.7	0.8	–	–
26	–	–	3.0	–	–	1.6	3.0	3.2	0.4	0.8	1.0	–	–
35	–	–	3.8	–	–	1.6	3.8	3.9	0.4	1.0	1.2	–	–
52	–	–	5.2	–	–	1.9	5.2	7.2	0.5	1.4	1.6	–	–
20	20	–	2.5	2.5	–	2.3	5.0	6.6	0.6	1.3	1.9	3.8	A
20	26	–	2.5	3.2	–	2.3	5.6	7.0	0.6	1.5	2.0	3.8	A
20	35	–	2.2	3.8	–	2.3	6.0	7.4	0.6	1.6	2.2	3.8	A
20	52	–	2.0	5.0	–	2.3	7.0	8.2	0.6	1.9	2.4	3.8	A
26	26	–	3.0	3.0	–	2.3	6.0	7.4	0.6	1.6	2.2	3.8	A
26	35	–	2.7	3.6	–	2.3	6.3	7.8	0.6	1.7	2.3	3.8	A
26	52	–	2.3	4.7	–	2.3	7.0	8.2	0.6	1.9	2.4	3.8	A
35	35	–	3.3	3.3	–	2.3	6.5	8.0	0.6	1.8	2.4	3.8	A
35	52	–	2.8	4.2	–	2.3	7.0	8.2	0.6	1.9	2.4	3.8	A
20	20	20	2.3	2.3	2.3	2.9	6.8	9.8	0.7	1.8	2.7	4.0	A+
20	20	26	2.1	2.1	2.7	2.9	7.0	9.8	0.7	1.9	2.7	4.0	A+
20	20	35	2.1	2.1	3.6	2.9	7.9	9.8	0.7	2.1	2.7	4.0	A+
20	26	26	2.2	2.8	2.8	2.9	7.9	9.8	0.7	2.1	2.7	4.0	A+
20	26	35	2.1	2.6	3.5	2.9	8.2	9.8	0.7	2.2	2.7	4.0	A+
20	35	35	1.9	3.2	3.2	2.9	8.3	9.8	0.7	2.2	2.7	4.0	A+
26	26	26	2.7	2.7	2.7	2.9	8.2	9.8	0.7	2.2	2.7	4.0	A+
26	26	35	2.5	2.5	3.3	2.9	8.3	9.8	0.7	2.2	2.7	4.0	A+
26	35	35	2.3	3.0	3.0	2.9	8.3	9.8	0.7	2.2	2.7	4.0	A+
35	35	35	2.8	2.8	2.8	2.9	8.3	9.8	0.7	2.2	2.7	4.0	A+

COMBINED SYSTEMS

4x1

R-32

KAM4-80 DR7 (R-32)

COOLING

Comb. Indoor Unit				Rated Capacity (kW)				Cooling Capacity (kW)			Power Input (kW)			SEER	Energy Class
A	B	C	D	A	B	C	D	Min.	Rated	Max.	Min.	Rated	Max.		
20	–	–	–	2.0	–	–	–	1.5	2.0	2.9	0.4	0.6	0.8	–	–
26	–	–	–	2.5	–	–	–	1.5	2.5	3.2	0.4	0.8	1.0	–	–
35	–	–	–	3.5	–	–	–	1.5	3.5	3.9	0.4	1.1	1.3	–	–
52	–	–	–	5.0	–	–	–	1.7	5.0	6.5	0.5	1.5	1.8	–	–
20	20	–	–	2.1	2.1	–	–	2.1	4.2	6.1	0.6	1.3	2.0	6.1	A++
20	26	–	–	2.1	2.6	–	–	2.1	4.7	6.4	0.6	1.5	2.2	6.1	A++
20	35	–	–	2.0	3.3	–	–	2.1	5.3	6.8	0.6	1.6	2.3	6.1	A++
20	52	–	–	2.0	5.0	–	–	2.1	7.0	7.6	0.6	2.2	2.8	6.1	A++
26	26	–	–	2.7	2.7	–	–	2.1	5.3	6.8	0.6	1.6	2.3	6.1	A++
26	35	–	–	2.6	3.4	–	–	2.1	6.0	7.0	0.6	1.9	2.4	6.1	A++
26	52	–	–	2.4	4.9	–	–	2.1	7.3	7.6	0.6	2.3	2.8	6.1	A++
35	35	–	–	3.3	3.3	–	–	2.1	6.5	7.4	0.6	2.0	2.5	6.1	A++
35	52	–	–	2.9	4.4	–	–	2.1	7.3	7.6	0.6	2.3	2.8	6.1	A++
52	52	–	–	3.8	3.8	–	–	2.1	7.5	7.6	0.6	2.3	2.8	6.1	A++
20	20	20	–	2.0	2.0	2.0	–	2.6	6.0	8.5	0.8	1.9	2.9	6.5	A++
20	20	26	–	2.0	2.0	2.5	–	2.6	6.5	8.5	0.8	2.0	2.9	6.5	A++
20	20	35	–	1.9	1.9	3.3	–	2.6	7.1	8.5	0.8	2.2	2.9	6.5	A++
20	20	52	–	1.7	1.7	4.4	–	2.6	7.8	8.5	0.8	2.4	2.9	6.5	A++
20	26	26	–	1.9	2.4	2.7	–	2.6	6.8	8.5	0.8	2.1	2.9	6.5	A++
20	26	35	–	1.9	2.4	3.2	–	2.6	7.5	8.5	0.8	2.3	2.9	6.5	A++
20	26	52	–	1.6	2.1	4.1	–	2.6	7.8	8.5	0.8	2.4	2.9	6.5	A++
20	35	35	–	1.8	3.0	3.0	–	2.6	7.8	8.5	0.8	2.4	2.9	6.5	A++
26	26	26	–	2.4	2.4	2.4	–	2.6	7.1	8.5	0.8	2.2	2.9	6.5	A++
26	26	35	–	2.3	2.3	3.1	–	2.6	7.8	8.5	0.8	2.4	2.9	6.5	A++
26	26	52	–	2.0	2.0	3.9	–	2.6	7.8	8.5	0.8	2.4	2.9	6.5	A++
26	35	35	–	2.1	2.8	2.8	–	2.6	7.8	8.5	0.8	2.4	2.9	6.5	A++
35	35	35	–	2.6	2.6	2.6	–	2.6	7.8	8.5	0.8	2.4	2.9	6.5	A++
20	20	20	20	2.1	2.1	2.1	2.1	2.9	8.2	9.9	0.9	2.5	3.2	7.0	A++
20	20	20	26	1.9	1.9	1.9	2.5	2.9	8.2	9.9	0.9	2.5	3.2	7.0	A++
20	20	20	35	1.7	1.7	1.7	3.0	2.9	8.2	9.9	0.9	2.5	3.2	7.0	A++
20	20	26	26	1.8	1.8	2.3	2.3	2.9	8.2	9.9	0.9	2.5	3.2	7.0	A++
20	20	26	35	1.6	1.6	2.1	2.8	2.9	8.2	9.9	0.9	2.5	3.2	7.0	A++
20	26	26	26	1.7	2.2	2.2	2.2	2.9	8.2	9.9	0.9	2.5	3.2	7.0	A++
26	26	26	26	2.1	2.1	2.1	2.1	2.9	8.2	9.9	0.9	2.5	3.2	7.0	A++

HEATING

Comb. Indoor Unit				Rated Capacity (kW)				Heating Capacity (kW)			Power Input (kW)			SCOP	Energy Class
A	B	C	D	A	B	C	D	Min.	Rated	Max.	Min.	Rated	Max.		
20	–	–	–	2.5	–	–	–	1.6	2.5	2.9	0.4	0.7	0.8	–	–
26	–	–	–	3.0	–	–	–	1.6	3.0	3.2	0.4	0.8	1.0	–	–
35	–	–	–	3.8	–	–	–	1.6	3.8	3.9	0.4	1.0	1.2	–	–
52	–	–	–	5.6	–	–	–	1.8	5.6	6.8	0.5	1.5	1.7	–	–
20	20	–	–	2.5	2.5	–	–	2.2	5.0	6.5	0.6	1.3	1.9	3.8	A
20	26	–	–	2.5	3.2	–	–	2.2	5.6	6.9	0.6	1.5	2.0	3.8	A
20	35	–	–	2.2	3.8	–	–	2.2	6.0	7.3	0.6	1.6	2.1	3.8	A
20	52	–	–	2.2	5.6	–	–	2.2	7.8	8.1	0.6	2.1	2.6	3.8	A
26	26	–	–	3.0	3.0	–	–	2.2	6.0	7.3	0.6	1.6	2.1	3.8	A
26	35	–	–	3.0	4.0	–	–	2.2	7.0	7.5	0.6	1.9	2.3	3.8	A
26	52	–	–	2.6	5.3	–	–	2.2	7.9	8.1	0.6	2.1	2.6	3.8	A
35	35	–	–	3.8	3.8	–	–	2.2	7.5	7.9	0.6	2.0	2.3	3.8	A
35	52	–	–	3.2	4.8	–	–	2.2	8.0	8.1	0.6	2.2	2.6	3.8	A
52	52	–	–	4.0	4.0	–	–	2.2	8.0	8.1	0.6	2.2	2.6	3.8	A
20	20	20	–	2.3	2.3	2.3	–	2.8	7.0	9.1	0.7	1.9	2.8	3.9	A
20	20	26	–	2.4	2.4	3.1	–	2.8	7.8	9.1	0.7	2.1	2.8	3.9	A
20	20	35	–	2.3	2.3	3.9	–	2.8	8.4	9.1	0.7	2.3	2.8	3.9	A
20	20	52	–	1.9	1.9	4.8	–	2.8	8.6	9.1	0.7	2.3	2.8	3.9	A
20	26	26	–	2.4	3.0	2.7	–	2.8	8.4	9.1	0.7	2.3	2.8	3.9	A
20	26	35	–	2.1	2.7	3.6	–	2.8	8.5	9.1	0.7	2.3	2.8	3.9	A
20	26	52	–	1.8	2.3	4.6	–	2.8	8.6	9.1	0.7	2.3	2.8	3.9	A
20	35	35	–	1.9	3.3	3.3	–	2.8	8.6	9.1	0.7	2.3	2.8	3.9	A
26	26	26	–	2.9	2.9	2.9	–	2.8	8.6	9.1	0.7	2.3	2.8	3.9	A
26	26	35	–	2.6	2.6	3.4	–	2.8	8.6	9.1	0.7	2.3	2.8	3.9	A
26	26	52	–	2.2	2.2	4.3	–	2.8	8.6	9.1	0.7	2.3	2.8	3.9	A
26	35	35	–	2.3	3.1	3.1	–	2.8	8.6	9.1	0.7	2.3	2.8	3.9	A
35	35	35	–	2.9	2.9	2.9	–	2.8	8.6	9.1	0.7	2.3	2.8	3.9	A
20	20	20	20	2.2	2.2	2.2	2.2	3.1	8.8	10.6	0.8	2.4	3.0	4.0	A+
20	20	20	26	2.1	2.1	2.1	2.7	3.1	8.9	10.6	0.8	2.4	3.0	4.0	A+
20	20	20	35	1.9	1.9	1.9	3.3	3.1	9.0	10.6	0.8	2.4	3.0	4.0	A+
20	20	26	26	1.9	1.9	2.5	2.5	3.1	8.9	10.6	0.8	2.4	3.0	4.0	A+
20	20	26	35	1.8	1.8	2.3	3.1	3.1	9.0	10.6	0.8	2.4	3.0	4.0	A+
20	26	26	26	1.8	2.4	2.4	2.4	3.1	8.9	10.6	0.8	2.4	3.0	4.0	A+
26	26	26	26	2.2	2.2	2.2	2.2	3.1	8.9	10.6	0.8	2.4	3.0	4.0	A+

4x1

R-32

KAM4-105 DR7 (R-32)

COOLING

Comb. Indoor Unit				Rated Capacity (kW)				Cooling Capacity (kW)			Power Input (kW)			SEER	Energy Class
A	B	C	D	A	B	C	D	Min.	Rated	Max.	Min.	Rated	Max.		
20	–	–	–	2.0	–	–	–	1.6	2.0	2.9	0.5	0.6	0.8	–	–
26	–	–	–	2.5	–	–	–	1.6	2.5	3.2	0.5	0.8	1.0	–	–
35	–	–	–	3.5	–	–	–	1.6	3.5	3.9	0.5	1.1	1.3	–	–
52	–	–	–	5.0	–	–	–	1.8	5.0	6.5	0.6	1.5	1.8	–	–
71	–	–	–	7.0	–	–	–	2.2	7.0	8.0	0.6	2.1	2.5		
20	20	–	–	2.1	2.1	–	–	2.2	4.2	6.3	0.6	1.3	2.1	6.1	A++
20	26	–	–	2.1	2.6	–	–	2.2	4.7	6.5	0.6	1.4	2.3	6.1	A++
20	35	–	–	2.0	3.5	–	–	2.2	5.5	6.8	0.6	1.7	2.4	6.1	A++
20	52	–	–	2.0	5.0	–	–	2.2	7.0	8.4	0.6	2.1	2.9	6.1	A++
20	71	–	–	2.0	7.0	–	–	2.2	9.0	9.5	0.6	2.7	3.1	6.1	A++
26	26	–	–	2.7	2.7	–	–	2.2	5.3	6.8	0.6	1.6	2.4	6.1	A++
26	35	–	–	2.6	3.4	–	–	2.2	6.0	7.4	0.6	1.8	2.6	6.1	A++
26	52	–	–	2.5	5.0	–	–	2.2	7.5	9.5	0.6	2.3	2.9	6.1	A++
26	71	–	–	2.6	6.9	–	–	2.2	9.5	10.0	0.6	2.9	3.1	6.1	A++
35	35	–	–	3.5	3.5	–	–	2.2	7.0	7.9	0.6	2.1	2.8	6.1	A++
35	52	–	–	3.4	5.1	–	–	2.2	8.5	10.0	0.6	2.6	2.9	6.1	A++
35	71	–	–	3.3	6.7	–	–	2.2	10.0	10.5	0.6	3.1	3.2	6.1	A++
52	52	–	–	5.0	5.0	–	–	2.2	10.0	10.5	0.6	3.1	3.3	6.1	A++
20	20	20	–	2.0	2.0	2.0	–	2.8	6.0	7.4	0.8	1.8	2.9	6.3	A++
20	20	26	–	2.0	2.0	2.5	–	2.8	6.5	7.9	0.8	2.0	3.1	6.3	A++
20	20	35	–	2.0	2.0	3.5	–	2.8	7.5	8.9	0.8	2.3	3.3	6.3	A++
20	20	52	–	2.0	2.0	5.1	–	2.8	9.0	11.6	0.8	2.7	3.6	6.3	A++
20	20	71	–	1.8	1.8	6.3	–	2.8	10.0	11.6	0.8	3.1	3.6	6.3	A++
20	26	26	–	2.0	2.5	2.5	–	2.8	7.0	8.9	0.8	2.1	3.3	6.3	A++
20	26	35	–	2.0	2.6	3.4	–	2.8	8.0	10.0	0.8	2.4	3.4	6.3	A++
20	26	52	–	2.0	2.5	5.0	–	2.8	9.5	11.6	0.8	2.9	3.6	6.3	A++
20	26	71	–	1.8	2.3	6.0	–	2.8	10.0	11.6	0.8	3.1	3.6	6.3	A++
20	35	35	–	2.0	3.5	3.5	–	2.8	9.0	10.5	0.8	2.8	3.4	6.3	A++
20	35	52	–	1.9	3.2	4.9	–	2.8	10.0	11.6	0.8	3.1	3.6	6.3	A++
20	35	71	–	1.6	2.8	5.6	–	2.8	10.0	11.6	0.8	3.1	3.6	6.3	A++
20	52	52	–	1.6	4.2	4.2	–	2.8	10.0	11.6	0.8	3.1	3.6	6.3	A++
26	26	26	–	2.5	2.5	2.5	–	2.8	7.5	10.0	0.8	2.3	3.4	6.3	A++
26	26	35	–	2.6	2.6	3.4	–	2.8	8.5	10.5	0.8	2.6	3.4	6.3	A++
26	26	52	–	2.5	2.5	5.0	–	2.8	10.0	11.6	0.8	3.1	3.6	6.3	A++
26	26	71	–	2.1	2.1	5.7	–	2.8	10.0	11.6	0.8	3.1	3.6	6.3	A++
26	35	35	–	2.6	3.5	3.5	–	2.8	9.5	11.6	0.8	2.9	3.6	6.3	A++
26	35	52	–	2.3	3.1	4.6	–	2.8	10.0	11.6	0.8	3.1	3.6	6.3	A++
26	35	71	–	2.0	2.7	5.3	–	2.8	10.0	11.6	0.8	3.1	3.6	6.3	A++
26	52	52	–	2.0	4.0	4.0	–	2.8	10.0	11.6	0.8	3.1	3.6	6.3	A++
35	35	35	–	3.3	3.3	3.3	–	2.8	10.0	11.6	0.8	3.1	3.6	6.3	A++
35	35	52	–	2.9	2.9	4.3	–	2.8	10.0	11.6	0.8	3.1	3.6	6.3	A++
20	20	20	20	2.1	2.1	2.1	2.1	3.7	8.2	10.5	0.9	2.3	3.3	6.5	A++
20	20	20	26	2.0	2.0	2.0	2.6	3.7	8.5	11.6	0.9	2.5	3.4	6.5	A++
20	20	20	35	2.0	2.0	2.0	3.5	3.7	9.5	12.6	0.9	2.9	3.8	6.5	A++
20	20	20	52	1.9	1.9	1.9	4.8	3.7	10.4	13.7	0.9	3.2	4.0	6.5	A++
20	20	26	26	2.0	2.0	2.5	2.5	3.7	9.0	12.6	0.9	2.7	3.8	6.5	A++
20	20	26	35	2.0	2.0	2.6	3.4	3.7	10.0	13.1	0.9	3.1	3.9	6.5	A++
20	20	26	52	1.8	1.8	2.3	4.6	3.7	10.5	13.7	0.9	3.3	4.0	6.5	A++
20	20	35	35	1.9	1.9	3.3	3.3	3.7	10.5	13.7	0.9	3.3	4.0	6.5	A++
20	20	35	52	1.7	1.7	2.9	4.3	3.7	10.5	13.7	0.9	3.3	4.0	6.5	A++
20	26	26	26	2.0	2.5	2.5	2.5	3.7	9.5	13.1	0.9	2.9	3.8	6.5	A++
20	26	26	35	2.0	2.6	2.6	3.4	3.7	10.5	13.7	0.9	3.3	4.0	6.5	A++
20	26	26	52	1.7	2.2	2.2	4.4	3.7	10.5	13.7	0.9	3.3	4.0	6.5	A++
20	26	35	35	1.8	2.4	3.2	3.2	3.7	10.5	13.7	0.9	3.3	4.0	6.5	A++
20	35	35	35	1.7	2.9	2.9	2.9	3.7	10.5	13.7	0.9	3.3	4.0	6.5	A++
26	26	26	26	2.6	2.6	2.6	2.6	3.7	10.5	13.7	0.9	3.3	4.0	6.5	A++
26	26	26	35	2.4	2.4	2.4	3.2	3.7	10.5	13.7	0.9	3.3	4.0	6.5	A++
26	26	26	52	2.1	2.1	2.1	4.2	3.7	10.5	13.7	0.9	3.3	4.0	6.5	A++
26	26	35	35	2.3	2.3	3.0	3.0	3.7	10.5	13.7	0.9	3.3	4.0	6.5	A++
26	35	35	35	2.1	2.8	2.8	2.8	3.7	10.5	13.7	0.9	3.3	4.0	6.5	A++
35	35	35	35	2.6	2.6	2.6	2.6	3.7	10.5	13.7	0.9	3.3	4.0	6.5	A++

HEATING

Comb. Indoor Unit				Rated Capacity (kW)				Heating Capacity (kW)			Power Input (kW)			SCOP	Energy Class
A	B	C	D	A	B	C	D	Min.	Rated	Max.	Min.	Rated	Max.		
20	–	–	–	2.5	–	–	–	1.7	2.5	2.9	0.5	0.7	0.8	–	–
26	–	–	–	3.0	–	–	–	1.7	3.0	3.2	0.5	0.8	1.0	–	–
35	–	–	–	3.8	–	–	–	1.7	3.8	3.9	0.5	1.0	1.2	–	–
52	–	–	–	5.2	–	–	–	1.9	5.2	7.0	0.6	1.4	1.6	–	–
71	–	–	–	7.2	–	–	–	1.9	7.2	8.0	0.6	1.9	2.2	–	–
20	20	–	–	2.5	2.5	–	–	2.3	5.0	6.7	0.6	1.3	1.9	3.5	A
20	26	–	–	2.5	3.2	–	–	2.3	5.6	6.9	0.6	1.5	2.1	3.5	A
20	35	–	–	2.2	3.8	–	–	2.3	6.0	7.2	0.6	1.6	2.2	3.5	A
20	52	–	–	2.2	5.8	–	–	2.3	8.0	8.9	0.6	2.2	2.6	3.4	A
20	71	–	–	2.2	7.4	–	–	2.3	9.6	10.8	0.6	2.6	2.8	3.4	A
26	26	–	–	3.0	3.0	–	–	2.3	6.0	7.2	0.6	1.6	2.2	3.5	A
26	35	–	–	3.0	4.0	–	–	2.3	7.0	7.8	0.6	1.9	2.4	3.5	A
26	52	–	–	2.9	5.9	–	–	2.3	8.8	10.0	0.6	2.4	2.7	3.4	A
26	71	–	–	2.7	7.1	–	–	2.3	9.8	10.7	0.6	2.6	2.8	3.4	A
35	35	–	–	3.8	3.8	–	–	2.3	7.5	8.3	0.6	2.0	2.5	3.5	A
35	52	–	–	3.8	5.6	–	–	2.3	9.4	10.5	0.6	2.5	2.7	3.4	A
35	71	–	–	3.3	6.7	–	–	2.3	10.0	10.9	0.6	2.7	2.9	3.4	A
52	52	–	–	5.1	5.1	–	–	2.3	10.1	11.1	0.6	2.7	3.0	3.6	A
20	20	20	–	2.5	2.5	2.5	–	3.0	7.5	7.8	0.7	2.0	2.7	3.6	A
20	20	26	–	2.4	2.4	3.1	–	3.0	7.8	8.3	0.7	2.1	2.8	3.6	A
20	20	35	–	2.3	2.3	3.9	–	3.0	8.5	9.4	0.7	2.3	3.0	3.6	A
20	20	52	–	2.3	2.3	6.0	–	3.0	10.7	12.2	0.7	2.9	3.3	3.6	A
20	20	71	–	2.0	2.0	6.8	–	3.0	10.7	12.2	0.7	2.9	3.3	3.6	A
20	26	26	–	2.4	3.1	3.1	–	3.0	8.5	9.4	0.7	2.3	3.0	3.6	A
20	26	35	–	2.5	3.2	4.3	–	3.0	10.0	10.5	0.7	2.7	3.1	3.6	A
20	26	52	–	2.2	2.8	5.7	–	3.0	10.7	12.2	0.7	2.9	3.3	3.6	A
20	26	71	–	1.9	2.4	6.4	–	3.0	10.7	12.2	0.7	2.9	3.3	3.6	A
20	35	35	–	2.3	3.9	3.9	–	3.0	10.1	11.1	0.7	2.7	3.1	3.6	A
20	35	52	–	2.0	3.5	5.2	–	3.0	10.7	12.2	0.7	2.9	3.3	3.6	A
20	35	71	–	1.7	3.0	6.0	–	3.0	10.7	12.2	0.7	2.9	3.3	3.6	A
20	52	52	–	1.7	4.5	4.5	–	3.0	10.7	12.2	0.7	2.9	3.3	3.6	A
26	26	26	–	3.3	3.3	3.3	–	3.0	10.0	10.5	0.7	2.7	3.1	3.6	A
26	26	35	–	3.0	3.0	4.0	–	3.0	10.1	11.1	0.7	2.7	3.1	3.6	A
26	26	52	–	2.7	2.7	5.4	–	3.0	10.7	12.2	0.7	2.9	3.3	3.6	A
26	26	71	–	2.3	2.3	6.1	–	2.7	10.7	11.1	0.6	2.9	2.9	3.6	A
26	35	35	–	2.9	3.9	3.9	–	3.0	10.7	12.2	0.7	2.9	3.3	3.6	A
26	35	52	–	2.5	3.3	4.9	–	3.0	10.7	12.2	0.7	2.9	3.3	3.6	A
26	35	71	–	2.1	2.9	5.7	–	3.0	10.7	12.2	0.7	2.9	3.3	3.6	A
26	52	52	–	2.1	4.3	4.3	–	3.0	10.7	12.2	0.7	2.9	3.3	3.6	A
35	35	35	–	3.6	3.6	3.6	–	3.0	10.7	12.2	0.7	2.9	3.3	3.6	A
35	35	52	–	3.1	3.1	4.6	–	3.0	10.7	12.2	0.7	2.9	3.3	3.6	A
20	20	20	20	2.5	2.5	2.5	2.5	3.9	10.0	11.1	0.8	2.6	3.0	4.0	A+
20	20	20	26	2.4	2.4	2.4	3.0	3.9	10.1	11.7	0.8	2.6	3.1	4.0	A+
20	20	20	35	2.3	2.3	2.3	4.0	3.9	10.9	12.2	0.8	2.9	3.3	4.0	A+
20	20	20	52	2.0	2.0	2.0	5.1	3.9	11.1	13.3	0.8	3.0	3.9	4.0	A+
20	20	26	26	2.4	2.4	3.1	3.1	3.9	10.9	12.2	0.8	2.9	3.3	4.0	A+
20	20	26	35	2.2	2.2	2.9	3.8	3.9	11.1	12.8	0.8	3.0	3.6	4.0	A+
20	20	26	52	1.9	1.9	2.4	4.9	3.9	11.1	13.3	0.8	3.0	3.9	4.0	A+
20	20	35	35	2.0	2.0	3.5	3.5	3.9	11.1	13.3	0.8	3.0	3.9	4.0	A+
20	20	35	52	1.8	1.8	3.0	4.5	3.9	11.1	13.3	0.8	3.0	3.9	4.0	A+
20	26	26	26	2.3	2.9	2.9	2.9	3.9	11.1	12.8	0.8	3.0	3.4	4.0	A+
20	26	26	35	2.1	2.7	2.7	3.6	3.9	11.1	13.3	0.8	3.0	3.9	4.0	A+
20	26	26	52	1.8	2.3	2.3	4.6	3.9	11.1	13.3	0.8	3.0	3.9	4.0	A+
20	26	35	35	1.9	2.5	3.3	3.3	3.9	11.1	13.3	0.8	3.0	3.9	4.0	A+
20	35	35	35	1.8	3.1	3.1	3.1	3.9	11.1	13.3	0.8	3.0	3.9	4.0	A+
26	26	26	26	2.8	2.8	2.8	2.8	3.9	11.1	13.3	0.8	3.0	3.9	4.0	A+
26	26	26	35	2.6	2.6	2.6	3.4	3.9	11.1	13.3	0.8	3.0	3.9	4.0	A+
26	26	26	52	2.2	2.2	2.2	4.4	3.9	11.1	13.3	0.8	3.0	3.9	4.0	A+
26	26	35	35	2.4	2.4	3.2	3.2	3.9	11.1	13.3	0.8	3.0	3.9	4.0	A+
26	35	35	35	2.2	3.0	3.0	3.0	3.9	11.1	13.3	0.8	3.0	3.9	4.0	A+
35	35	35	35	2.8	2.8	2.8	2.8	3.9	11.1	13.3	0.8	3.0	3.9	4.0	A+

COMBINED SYSTEMS

5x1

R-32

KAM5-120 DR8 (R-32)

COOLING

Comb. Indoor Unit					Rated Capacity (kW)					Cooling Capacity (kW)			Power Input (kW)			SEER	Energy Class
A	B	C	D	E	A	B	C	D	E	Min.	Rated	Max.	Min.	Rated	Max.		
20	–	–	–	–	2.0	–	–	–	–	1.7	2.0	2.9	0.5	0.6	0.8	–	–
26	–	–	–	–	2.5	–	–	–	–	1.7	2.5	3.2	0.5	0.8	1.0	–	–
35	–	–	–	–	3.5	–	–	–	–	1.7	3.5	3.9	0.5	1.1	1.3	–	–
52	–	–	–	–	5.0	–	–	–	–	1.8	5.0	6.5	0.6	1.5	1.8	–	–
71	–	–	–	–	7.0	–	–	–	–	2.1	7.0	8.2	0.7	2.2	2.3	–	–
20	20	–	–	–	2.1	2.1	–	–	–	2.3	4.2	7.4	0.6	1.3	2.2	5.6	A+
20	26	–	–	–	2.1	2.6	–	–	–	2.3	4.7	7.6	0.6	1.5	2.4	5.6	A+
20	35	–	–	–	2.0	3.5	–	–	–	2.3	5.5	8.0	0.6	1.7	2.5	5.6	A+
20	52	–	–	–	2.0	5.0	–	–	–	2.3	7.0	9.8	0.6	2.2	2.7	5.6	A+
20	71	–	–	–	2.1	7.0	–	–	–	2.3	9.1	11.7	0.6	2.8	3.0	5.6	A+
26	26	–	–	–	2.7	2.7	–	–	–	2.3	5.3	8.0	0.6	1.6	2.5	5.6	A+
26	35	–	–	–	2.6	3.4	–	–	–	2.3	6.0	8.6	0.6	1.9	2.6	5.6	A+
26	52	–	–	–	2.5	5.0	–	–	–	2.3	7.5	11.1	0.6	2.3	2.8	5.6	A+
26	71	–	–	–	2.6	7.1	–	–	–	2.3	9.7	12.3	0.6	3.0	3.2	5.6	A+
35	35	–	–	–	3.5	3.5	–	–	–	2.3	7.0	9.2	0.6	2.2	2.7	5.6	A+
35	52	–	–	–	3.4	5.1	–	–	–	2.3	8.5	11.7	0.6	2.6	3.1	5.6	A+
35	71	–	–	–	3.3	6.7	–	–	–	2.3	10.0	12.3	0.6	3.1	3.4	5.6	A+
52	52	–	–	–	5.3	5.3	–	–	–	2.3	10.5	12.3	0.6	3.3	3.4	5.6	A+
20	20	20	–	–	2.0	2.0	2.0	–	–	2.9	6.0	7.4	0.8	1.8	3.0	5.8	A+
20	20	26	–	–	2.0	2.0	2.5	–	–	2.9	6.5	8.6	0.8	2.0	3.2	5.8	A+
20	20	35	–	–	2.0	2.0	3.5	–	–	2.9	7.5	9.2	0.8	2.3	3.4	5.8	A+
20	20	52	–	–	2.0	2.0	5.1	–	–	2.9	9.0	11.1	0.8	2.8	3.6	5.8	A+
20	20	71	–	–	2.0	2.0	6.9	–	–	2.9	11.0	12.9	0.8	3.4	3.8	5.8	A+
20	26	26	–	–	2.0	2.5	2.5	–	–	2.9	7.0	9.2	0.8	2.2	3.3	5.8	A+
20	26	35	–	–	2.0	2.6	3.4	–	–	2.9	8.0	10.5	0.8	2.5	3.5	5.8	A+
20	26	52	–	–	2.0	2.5	5.0	–	–	2.9	9.5	11.1	0.8	2.9	3.7	5.8	A+
20	26	71	–	–	2.0	2.6	6.9	–	–	2.9	11.5	12.9	0.8	3.6	3.9	5.8	A+
20	35	35	–	–	2.0	3.5	3.5	–	–	2.9	9.0	11.1	0.8	2.8	3.6	5.8	A+
20	35	52	–	–	2.0	3.4	5.1	–	–	2.9	10.5	12.3	0.8	3.3	3.8	5.8	A+
20	35	71	–	–	1.9	3.2	6.4	–	–	2.9	11.5	12.9	0.8	3.6	3.9	5.8	A+
20	52	52	–	–	1.9	4.8	4.8	–	–	2.9	11.5	12.9	0.8	3.6	3.9	5.8	A+
26	26	26	–	–	2.7	2.7	2.7	–	–	2.9	8.0	10.5	0.8	2.5	3.8	5.8	A+
26	26	35	–	–	2.7	2.7	3.6	–	–	2.9	9.0	12.9	0.8	2.8	3.6	5.8	A+
26	26	52	–	–	2.6	2.6	5.3	–	–	2.9	10.5	12.3	0.8	3.3	3.8	5.8	A+
26	26	71	–	–	2.5	2.5	6.6	–	–	2.9	11.5	12.9	0.8	3.6	3.9	5.8	A+
26	35	35	–	–	2.5	3.3	3.3	–	–	2.9	9.0	11.1	0.8	2.8	3.6	5.8	A+
26	35	52	–	–	2.5	3.4	5.1	–	–	2.9	11.0	11.7	0.8	3.4	3.8	5.8	A+
26	35	71	–	–	2.3	3.1	6.1	–	–	2.9	11.5	12.9	0.8	3.6	3.9	5.8	A+
26	52	52	–	–	2.4	4.8	4.8	–	–	2.9	12.0	12.9	0.8	3.7	3.9	5.8	A+
35	35	35	–	–	3.2	3.2	3.2	–	–	2.9	9.5	11.1	0.8	2.9	3.7	5.8	A+
35	35	52	–	–	3.3	3.3	4.9	–	–	2.9	11.5	12.9	0.8	3.6	3.9	5.8	A+
35	35	71	–	–	3.0	3.0	6.0	–	–	2.9	12.0	12.9	0.8	3.7	3.9	5.8	A+
35	52	52	–	–	3.0	4.5	4.5	–	–	2.9	12.0	12.9	0.8	3.7	3.9	5.8	A+
20	20	20	20	–	2.0	2.0	2.0	2.0	–	3.7	8.0	10.5	0.9	2.5	3.4	6.1	A++
20	20	20	26	–	2.0	2.0	2.0	2.6	–	3.7	8.5	11.1	0.9	2.6	3.6	6.1	A++
20	20	20	35	–	2.0	2.0	2.0	3.5	–	3.7	9.5	11.7	0.9	2.9	3.7	6.1	A++
20	20	20	52	–	2.1	2.1	2.1	5.3	–	3.7	11.5	12.3	0.9	3.6	4.2	6.1	A++
20	20	20	71	–	1.9	1.9	1.9	6.4	–	3.7	12.0	13.5	0.9	3.7	4.4	6.1	A++
20	20	26	26	–	2.1	2.1	2.7	2.7	–	3.7	9.5	11.7	0.9	2.9	3.7	6.1	A++
20	20	26	35	–	2.0	2.0	2.6	3.4	–	3.7	10.0	12.3	0.9	3.1	4.2	6.1	A++
20	20	26	52	–	2.0	2.0	2.5	5.0	–	3.7	11.5	12.3	0.9	3.6	4.2	6.1	A++
20	20	26	71		1.8	1.8	2.3	6.1	–	3.7	12.0	13.5	0.9	3.7	4.4	6.1	A++
20	20	35	35	–	1.9	1.9	3.3	3.3	–	3.7	10.5	12.9	0.9	3.3	4.2	6.1	A++

HEATING

Comb. Indoor Unit					Rated Capacity (kW)					Heating Capacity (kW)			Power Input (kW)			SCOP	Energy Class
A	B	C	D	E	A	B	C	D	E	Min.	Rated	Max.	Min.	Rated	Max.		
20	–	–	–	–	2.5	–	–	–	–	1.7	2.5	2.9	0.5	0.7	0.8	–	–
26	–	–	–	–	3.0	–	–	–	–	1.7	3.0	3.2	0.5	0.8	1.0	–	–
35	–	–	–	–	3.8	–	–	–	–	1.7	3.8	3.9	0.5	1.0	1.2	–	–
52	–	–	–	–	5.2	–	–	–	–	1.8	5.2	7.0	0.6	1.4	1.6	–	–
71	–	–	–	–	7.2	–	–	–	–	2.1	7.2	8.5	0.7	1.9	2.0	–	–
20	20	–	–	–	2.5	2.5	–	–	–	2.3	5.0	7.4	0.6	1.3	1.9	3.6	A
20	26	–	–	–	2.5	3.2	–	–	–	2.3	5.6	7.6	0.6	1.5	2.0	3.6	A
20	35	–	–	–	2.2	3.8	–	–	–	2.3	6.0	8.0	0.6	1.6	2.2	3.6	A
20	52	–	–	–	2.2	5.8	–	–	–	2.3	8.0	9.8	0.6	2.2	2.3	3.6	A
20	71	–	–	–	2.2	7.6	–	–	–	2.3	9.8	11.7	0.6	2.6	2.6	3.6	A
26	26	–	–	–	3.0	3.0	–	–	–	2.3	6.0	8.0	0.6	1.6	2.2	3.6	A
26	35	–	–	–	2.9	3.9	–	–	–	2.3	6.8	8.6	0.6	1.8	2.2	3.6	A
26	52	–	–	–	2.9	5.9	–	–	–	2.3	8.8	11.1	0.6	2.4	2.5	3.6	A
26	71	–	–	–	2.8	7.4	–	–	–	2.3	10.2	12.3	0.6	2.7	2.8	3.6	A
35	35	–	–	–	3.8	3.8	–	–	–	2.3	7.5	9.2	0.6	2.0	2.3	3.6	A
35	52	–	–	–	3.8	5.6	–	–	–	2.3	9.4	11.7	0.6	2.5	2.7	3.8	A
35	71	–	–	–	3.5	7.0	–	–	–	2.3	10.5	12.3	0.6	2.8	3.0	3.8	A
52	52	–	–	–	5.5	5.5	–	–	–	2.3	11.0	12.3	0.6	3.0	3.0	3.8	A
20	20	20	–	–	2.5	2.5	2.5	–	–	2.9	7.5	8.6	0.7	2.0	2.6	3.6	A
20	20	26	–	–	2.4	2.4	3.1	–	–	2.9	7.8	9.2	0.7	2.1	2.8	3.6	A
20	20	35	–	–	2.3	2.3	3.9	–	–	2.9	8.5	9.8	0.7	2.3	3.0	3.6	A
20	20	52	–	–	2.5	2.5	6.5	–	–	2.9	11.5	12.3	0.7	3.1	3.1	3.5	A
20	20	71	–	–	2.2	2.2	7.6	–	–	2.9	12.0	12.9	0.7	3.2	3.3	3.4	A
20	26	26	–	–	2.4	3.1	3.1	–	–	2.9	8.5	9.8	0.7	2.3	2.9	3.6	A
20	26	35	–	–	2.5	3.2	4.3	–	–	2.9	10.0	12.3	0.7	2.7	3.0	3.6	A
20	26	52	–	–	2.4	3.0	6.1	–	–	2.9	11.5	12.3	0.7	3.1	3.2	3.5	A
20	26	71	–	–	2.1	2.7	7.2	–	–	2.9	12.0	12.9	0.7	3.2	3.4	3.6	A
20	35	35	–	–	2.5	4.3	4.3	–	–	2.9	11.0	12.3	0.7	3.0	3.1	3.6	A
20	35	52	–	–	2.2	3.7	5.6	–	–	2.9	11.5	12.3	0.7	3.1	3.3	3.6	A
20	35	71	–	–	2.0	3.3	6.7	–	–	2.9	12.0	12.9	0.7	3.2	3.4	3.4	A
20	52	52	–	–	2.0	5.0	5.0	–	–	2.9	12.0	12.9	0.7	3.2	3.4	3.4	A
26	26	26	–	–	3.3	3.3	3.3	–	–	2.9	10.0	12.3	0.7	2.7	3.3	3.6	A
26	26	35	–	–	3.3	3.3	4.4	–	–	2.9	11.0	12.3	0.7	3.0	3.1	3.6	A
26	26	52	–	–	2.9	2.9	5.8	–	–	2.9	11.5	12.3	0.7	3.1	3.3	3.5	A
26	26	71	–	–	2.6	2.6	6.9	–	–	2.9	12.0	12.9	0.7	3.2	3.4	3.4	A
26	35	35	–	–	3.1	4.2	4.2	–	–	2.9	11.5	12.3	0.7	3.1	3.1	3.4	A
26	35	52	–	–	2.8	3.7	5.5	–	–	2.9	12.0	12.9	0.7	3.2	3.3	3.5	A
26	35	71	–	–	2.4	3.2	6.4	–	–	2.9	12.0	12.9	0.7	3.2	3.4	3.4	A
26	52	52	–	–	2.4	4.8	4.8	–	–	2.9	12.0	12.9	0.7	3.2	3.4	3.5	A
35	35	35	–	–	3.8	3.8	3.8	–	–	2.9	11.5	12.3	0.7	3.1	3.2	3.5	A
35	35	52	–	–	3.4	3.4	5.1	–	–	2.9	12.0	12.9	0.7	3.2	3.4	3.5	A
35	35	71	–	–	3.0	3.0	6.0	–	–	2.9	12.0	12.9	0.7	3.2	3.4	3.4	A
35	52	52	–	–	3.0	4.5	4.5	–	–	2.9	12.0	12.9	0.7	3.2	3.4	3.4	A
20	20	20	20	–	2.5	2.5	2.5	2.5	–	3.7	10.0	12.7	0.8	2.7	3.0	3.8	A
20	20	20	26	–	2.6	2.6	2.6	3.3	–	3.7	11.0	12.9	0.8	3.0	3.1	3.8	A
20	20	20	35	–	2.5	2.5	2.5	4.3	–	3.7	11.8	13.5	0.8	3.2	3.2	3.7	A
20	20	20	52	–	2.2	2.2	2.2	5.5	–	3.7	12.0	13.5	0.8	3.2	3.6	3.6	A
20	20	20	71	–	1.9	1.9	1.9	6.6	–	3.7	12.3	13.5	0.8	3.3	3.8	3.4	A
20	20	26	26	–	2.6	2.6	3.4	3.4	–	3.7	12.0	13.5	0.8	3.2	3.2	3.6	A
20	20	26	35	–	2.4	2.4	3.1	4.1	–	3.7	12.0	13.5	0.8	3.2	3.6	3.6	A
20	20	26	52	–	2.0	2.0	2.6	5.3	–	3.7	12.0	13.5	0.8	3.2	3.6	3.5	A
20	20	26	71		1.8	1.8	2.4	6.3	–	3.7	12.3	13.5	0.8	3.3	3.8	3.4	A
20	20	35	35	–	2.2	2.2	3.8	3.8	–	3.7	12.0	13.5	0.8	3.2	3.6	3.6	A

5x1

R-32

KAM5-120 DR8 (R-32)

COOLING

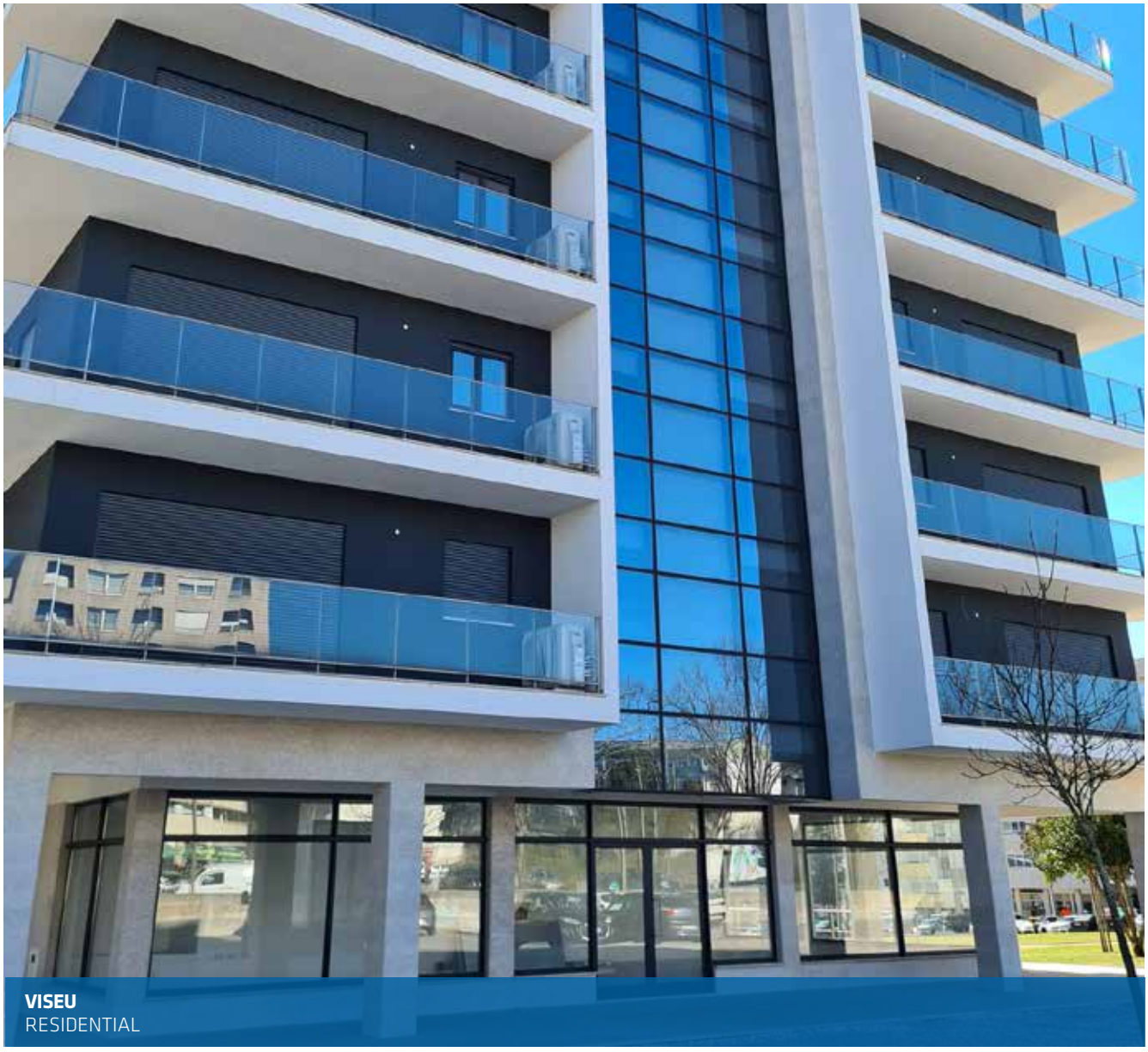
Comb. Indoor Unit					Rated Capacity (kW)					Cooling Capacity (kW)			Power Input (kW)			SEER	Energy Class
A	B	C	D	E	A	B	C	D	E	Min.	Rated	Max.	Min.	Rated	Max.		
20	20	35	52	–	1.8	1.8	3.1	4.7	–	3.7	11.5	13.5	0.9	3.6	4.2	6.1	A++
20	20	35	71	–	1.7	1.7	3.0	5.9	–	3.7	12.3	13.5	0.9	3.8	4.4	6.1	A++
20	26	26	26	–	2.1	2.6	2.6	2.6	–	3.7	10.0	12.3	0.9	3.1	4.2	6.1	A++
20	26	26	35	–	2.0	2.6	2.6	3.4	–	3.7	10.5	12.9	0.9	3.3	4.2	6.1	A++
20	26	26	52	–	1.9	2.4	2.4	4.8	–	3.7	11.5	13.5	0.9	3.6	4.2	6.1	A++
20	26	26	71	–	1.8	2.3	2.3	6.0	–	3.7	12.3	13.5	0.9	3.8	4.4	6.1	A++
20	26	35	35	–	2.0	2.6	3.5	3.5	–	3.7	11.5	13.5	0.9	3.6	4.2	6.1	A++
20	26	35	52	–	1.8	2.3	3.1	4.7	–	3.7	12.0	13.5	0.9	3.7	4.4	6.1	A++
20	26	35	71	–	1.7	2.1	2.8	5.7	–	3.7	12.3	13.5	0.9	3.8	4.4	6.1	A++
20	26	52	52	–	1.7	2.1	4.3	4.3	–	3.7	12.3	13.5	0.9	3.8	4.4	6.1	A++
20	26	52	71	–	1.5	1.9	3.8	5.1	–	3.7	12.3	13.5	0.9	3.8	4.4	6.1	A++
20	35	35	35	–	1.9	3.2	3.2	3.2	–	3.7	11.5	13.5	0.9	3.6	4.2	6.1	A++
20	35	35	52	–	1.7	2.9	2.9	4.4	–	3.7	12.0	13.5	0.9	3.7	4.4	6.1	A++
26	26	26	26	–	2.6	2.6	2.6	2.6	–	3.7	10.5	12.9	0.9	3.3	4.2	6.1	A++
26	26	26	35	–	2.7	2.7	2.7	3.5	–	3.7	11.5	13.5	0.9	3.6	4.2	6.1	A++
26	26	26	52	–	2.4	2.4	2.4	4.8	–	3.7	12.0	13.5	0.9	3.7	4.4	6.1	A++
26	26	26	71	–	2.2	2.2	2.2	5.8	–	3.7	12.3	13.5	0.9	3.8	4.4	6.1	A++
26	26	35	35	–	2.5	2.5	3.3	3.3	–	3.7	11.5	13.5	0.9	3.6	4.2	6.1	A++
26	26	35	52	–	2.3	2.3	3.0	4.5	–	3.7	12.0	13.5	0.9	3.7	4.4	6.1	A++
26	26	35	71	–	2.1	2.1	2.7	5.5	–	3.7	12.3	13.5	0.9	3.8	4.4	6.1	A++
26	35	35	35	–	2.3	3.1	3.1	3.1	–	3.7	11.5	13.5	0.9	3.6	4.2	6.1	A++
26	35	35	52	–	2.2	2.9	2.9	4.3	–	3.7	12.3	13.5	0.9	3.8	4.4	6.1	A++
35	35	35	35	–	2.9	2.9	2.9	2.9	–	3.7	11.5	13.5	0.9	3.6	4.2	6.1	A++
35	35	35	52	–	2.7	2.7	2.7	4.1	–	3.7	12.3	13.5	0.9	3.8	4.4	6.1	A++
20	20	20	20	20	2.1	2.1	2.1	2.1	2.1	4.2	10.5	14.0	1.0	3.1	4.6	6.6	A++
20	20	20	20	26	2.1	2.1	2.1	2.1	2.7	4.2	11.0	14.0	1.0	3.3	4.6	6.6	A++
20	20	20	20	35	2.0	2.0	2.0	2.0	3.5	4.2	11.5	14.0	1.0	3.5	4.6	6.6	A++
20	20	20	20	52	1.9	1.9	1.9	1.9	4.8	4.2	12.3	14.0	1.0	3.8	4.6	6.6	A++
20	20	20	26	26	2.1	2.1	2.1	2.7	2.7	4.2	11.5	14.0	1.0	3.5	4.6	6.6	A++
20	20	20	26	35	2.0	2.0	2.0	2.6	3.4	4.2	12.0	14.0	1.0	3.6	4.6	6.6	A++
20	20	20	26	52	1.8	1.8	1.8	2.3	4.6	4.2	12.3	14.0	1.0	3.8	4.6	6.6	A++
20	20	20	35	35	1.9	1.9	1.9	3.3	3.3	4.2	12.3	14.0	1.0	3.8	4.6	6.6	A++
20	20	20	35	52	1.7	1.7	1.7	2.9	4.3	4.2	12.3	14.0	1.0	3.8	4.6	6.6	A++
20	20	26	26	26	2.0	2.0	2.6	2.6	2.6	4.2	12.0	14.0	1.0	3.6	4.6	6.6	A++
20	20	26	26	35	2.0	2.0	2.5	2.5	3.4	4.2	12.3	14.0	1.0	3.8	4.6	6.6	A++
20	20	26	26	52	1.7	1.7	2.2	2.2	4.4	4.2	12.3	14.0	1.0	3.8	4.6	6.6	A++
20	20	26	35	35	1.8	1.8	2.4	3.1	3.1	4.2	12.3	14.0	1.0	3.8	4.6	6.6	A++
20	20	26	35	52	1.6	1.6	2.1	2.8	4.2	4.2	12.3	14.0	1.0	3.8	4.6	6.6	A++
20	20	35	35	35	1.7	1.7	3.0	3.0	3.0	4.2	12.3	14.0	1.0	3.8	4.6	6.6	A++
20	20	35	35	52	1.5	1.5	2.6	2.6	4.0	4.2	12.3	14.0	1.0	3.8	4.6	6.6	A++
20	26	26	26	26	2.0	2.6	2.6	2.6	2.6	4.2	12.3	14.0	1.0	3.8	4.6	6.6	A++
20	26	26	26	35	1.9	2.4	2.4	2.4	3.2	4.2	12.3	14.0	1.0	3.8	4.6	6.6	A++
20	26	26	26	52	1.7	2.1	2.1	2.1	4.3	4.2	12.3	14.0	1.0	3.8	4.6	6.6	A++
20	26	26	35	35	1.8	2.3	2.3	3.0	3.0	4.2	12.3	14.0	1.0	3.8	4.6	6.6	A++
20	26	35	35	35	1.7	2.1	2.8	2.8	2.8	4.2	12.3	14.0	1.0	3.8	4.6	6.6	A++
26	26	26	26	26	2.5	2.5	2.5	2.5	2.5	4.2	12.3	14.0	1.0	3.8	4.6	6.6	A++
26	26	26	26	35	2.3	2.3	2.3	2.3	3.1	4.2	12.3	14.0	1.0	3.8	4.6	6.6	A++
26	26	26	26	52	2.1	2.1	2.1	2.1	4.1	4.2	12.3	14.0	1.0	3.8	4.6	6.6	A++
26	26	26	35	35	2.2	2.2	2.2	2.9	2.9	4.2	12.3	14.0	1.0	3.8	4.6	6.6	A++
26	26	35	35	35	2.1	2.1	2.7	2.7	2.7	4.2	12.3	14.0	1.0	3.8	4.6	6.6	A++

HEATING

Comb. Indoor Unit					Rated Capacity (kW)					Heating Capacity (kW)			Power Input (kW)			SCOP	Energy Class
A	B	C	D	E	A	B	C	D	E	Min.	Rated	Max.	Min.	Rated	Max.		
20	20	35	52	–	1.9	1.9	3.3	4.9	–	3.7	12.0	13.5	0.8	3.2	3.6	3.5	A
20	20	35	71	–	1.7	1.7	3.0	5.9	–	3.7	12.3	13.5	0.8	3.3	3.8	3.4	A
20	20	52	52	–	1.7	1.7	4.3	4.3	–	3.7	12.0	13.5	0.8	3.2	3.8	3.4	A
20	26	26	26	–	2.5	3.2	3.2	3.2	–	3.7	12.0	13.5	0.8	3.2	3.6	3.7	A
20	26	26	35	–	2.3	2.9	2.9	3.9	–	3.7	12.0	13.5	0.8	3.2	3.6	3.5	A
20	26	26	52	–	2.0	2.5	2.5	5.0	–	3.7	12.0	13.5	0.8	3.2	3.6	3.5	A
20	26	26	71	–	1.8	2.3	2.3	6.0	–	3.7	12.3	13.5	0.8	3.3	3.8	3.4	A
20	26	35	35	–	2.1	2.7	3.6	3.6	–	3.7	12.0	13.5	0.8	3.2	3.6	3.4	A
20	26	35	52	–	1.8	2.3	3.1	4.7	–	3.7	12.0	13.5	0.8	3.2	3.8	3.5	A
20	26	35	71	–	1.7	2.1	2.8	5.7	–	3.7	12.3	13.5	0.8	3.3	3.8	3.4	A
20	26	52	52	–	1.6	2.1	4.2	4.2	–	3.7	12.0	13.5	0.8	3.2	3.8	3.5	A
20	35	35	35	–	2.0	3.3	3.3	3.3	–	3.7	12.0	13.5	0.8	3.2	3.6	3.4	A
20	35	35	52	–	1.7	2.9	2.9	4.4	–	3.7	12.0	13.5	0.8	3.2	3.8	3.5	A
26	26	26	26	–	3.0	3.0	3.0	3.0	–	3.7	12.0	13.5	0.8	3.2	3.6	3.8	A
26	26	26	35	–	2.8	2.8	2.8	3.7	–	3.7	12.0	13.5	0.8	3.2	3.6	3.7	A
26	26	26	52	–	2.4	2.4	2.4	4.8	–	3.7	12.0	13.5	0.8	3.2	3.8	3.6	A
26	26	26	71	–	2.2	2.2	2.2	5.8	–	3.7	12.3	13.5	0.8	3.3	3.8	3.4	A
26	26	35	35	–	2.6	2.6	3.4	3.4	–	3.7	12.0	13.5	0.8	3.2	3.6	3.5	A
26	26	35	52	–	2.3	2.3	3.0	4.5	–	3.7	12.0	13.5	0.8	3.2	3.8	3.5	A
26	26	35	71	–	2.1	2.1	2.7	5.5	–	3.7	12.3	13.5	0.8	3.3	3.8	3.4	A
26	35	35	35	–	2.4	3.2	3.2	3.2	–	3.7	12.0	13.5	0.8	3.2	3.6	3.6	A
26	35	35	52	–	2.1	2.8	2.8	4.2	–	3.7	12.0	13.5	0.8	3.2	3.8	3.5	A
35	35	35	35	–	3.0	3.0	3.0	3.0	–	3.7	12.0	13.5	0.8	3.2	3.6	3.6	A
35	35	35	52	–	2.7	2.7	2.7	4.0	–	3.7	12.0	13.5	0.8	3.2	3.8	3.5	A
20	20	20	20	20	2.5	2.5	2.5	2.5	2.5	4.2	12.3	14.9	0.9	3.3	4.1	3.8	A
20	20	20	20	26	2.3	2.3	2.3	2.3	3.0	4.2	12.3	14.9	0.9	3.3	4.1	3.8	A
20	20	20	20	35	2.2	2.2	2.2	2.2	3.7	4.2	12.3	14.9	0.9	3.3	4.1	3.8	A
20	20	20	20	52	1.9	1.9	1.9	1.9	4.8	4.2	12.3	14.9	0.9	3.3	4.1	3.8	A
20	20	20	26	26	2.2	2.2	2.2	2.8	2.8	4.2	12.3	14.9	0.9	3.3	4.1	3.8	A
20	20	20	26	35	2.1	2.1	2.1	2.6	3.5	4.2	12.3	14.9	0.9	3.3	4.1	3.8	A
20	20	20	26	52	1.8	1.8	1.8	2.3	4.6	4.2	12.3	14.9	0.9	3.2	4.1	3.8	A
20	20	20	35	35	1.9	1.9	1.9	3.3	3.3	4.2	12.3	14.9	0.9	3.3	4.1	3.8	A
20	20	20	35	52	1.7	1.7	1.7	2.9	4.3	4.2	12.3	14.9	0.9	3.2	4.1	3.8	A
20	20	26	26	26	2.1	2.1	2.7	2.7	2.7	4.2	12.3	14.9	0.9	3.3	4.1	3.8	A
20	20	26	26	35	2.0	2.0	2.5	2.5	3.4	4.2	12.3	14.9	0.9	3.3	4.1	3.8	A
20	20	26	26	52	1.7	1.7	2.2	2.2	4.4	4.2	12.3	14.9	0.9	3.2	4.1	3.8	A
20	20	26	35	35	1.8	1.8	2.4	3.1	3.1	4.2	12.3	14.9	0.9	3.3	4.1	3.8	A
20	20	26	35	52	1.6	1.6	2.1	2.8	4.2	4.2	12.3	14.9	0.9	3.3	4.1	3.8	A
20	20	35	35	35	1.7	1.7	3.0	3.0	3.0	4.2	12.3	14.9	0.9	3.3	4.1	3.8	A
20	20	35	35	52	1.5	1.5	2.6	2.6	4.0	4.2	12.3	14.9	0.9	3.2	4.1	3.8	A
20	26	26	26	26	2.0	2.6	2.6	2.6	2.6	4.2	12.3	14.9	0.9	3.3	4.1	3.8	A
20	26	26	26	35	1.9	2.4	2.4	2.4	3.2	4.2	12.3	14.9	0.9	3.3	4.1	3.8	A
20	26	26	26	52	1.7	2.1	2.1	2.1	4.3	4.2	12.3	14.9	0.9	3.2	4.1	3.8	A
20	26	26	35	35	1.8	2.3	2.3	3.0	3.0	4.2	12.3	14.9	0.9	3.3	4.1	3.8	A
20	26	35	35	35	1.7	2.1	2.8	2.8	2.8	4.2	12.3	14.9	0.9	3.2	4.1	3.8	A
26	26	26	26	26	2.5	2.5	2.5	2.5	2.5	4.2	12.3	14.9	0.9	3.3	4.1	3.8	A
26	26	26	26	35	2.3	2.3	2.3	2.3	3.1	4.2	12.3	14.9	0.9	3.3	4.1	3.8	A
26	26	26	26	52	2.1	2.1	2.1	2.1	4.1	4.2	12.3	14.9	0.9	3.2	4.1	3.8	A
26	26	26	35	35	2.2	2.2	2.2	2.9	2.9	4.2	12.3	14.9	0.9	3.2	4.1	3.8	A
26	26	35	35	35	2.1	2.1	2.7	2.7	2.7	4.2	12.3	14.9	0.9	3.2	4.1	3.8	A

REFERENCES. KEY INSTALLATIONS

The **SUITE RESIDENTIAL RANGE** is present in the most common places. From apartments to hospitals, schools and universities, the comfort and technology of this range provides the well-being that all homes need.



VISEU
RESIDENTIAL

Location: Viseu (Portugal)
Units installed: 1x1 and Multisystem suite
Capacity: 216 kW

OTHER CUSTOMERS THAT TRUSTED **KAYSUN SUITE**

HOTELS
Vera Apart-Hotel (Almería)
Sangulí Resort Salou (Tarragona)

SCHOOLS AND UNIVERSITIES
University of Salamanca (Salamanca), The Capuchins School (Murcia), María Maroto School (Murcia), Autism Association of Jerez (Cádiz)

LEISURE CENTRES
Vals Sport - Sports Centre (Málaga)

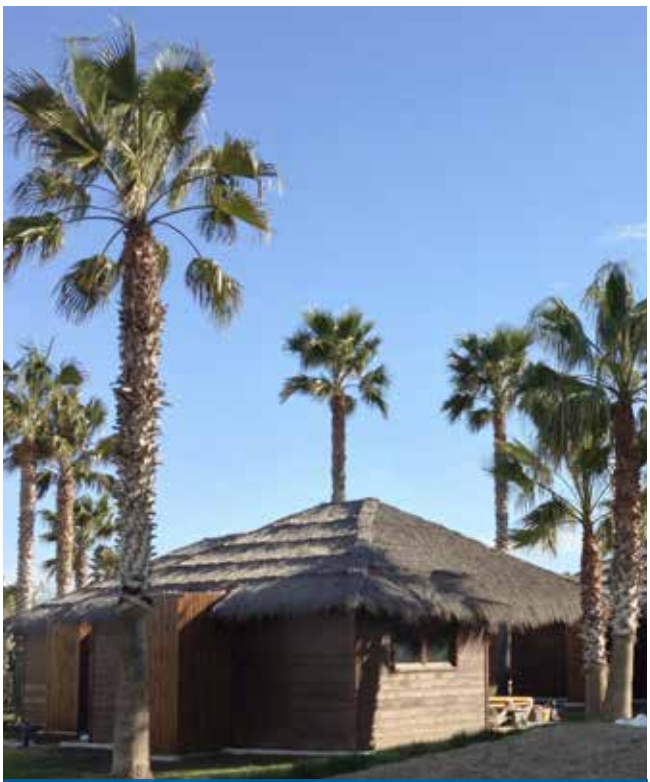
HOSPITAL, CLINICS AND HEALTH CENTRES
Jesús Nazareno Hospital (Córdoba), Santomera Health Centre (Murcia)

BUSINESS CENTRES AND OFFICES
ISOLAIS Office (Seville)

RESIDENCES
51 residences in Carrión (Seville), 52 residences in Torreblanca (Seville), La Pineda Apartments (Tarragona), Puerto Mahón Apartments (Majorca), Jardines de Santa Ana Residence (Seville)

VILLA BAHIA PRINCIPE
RESIDENTIAL

Location: Dominican Republic
Units installed: Multisystem Suite
Capacity: 34 kW



SANGULÍ SALOU
CAMPING RESORT

Location: Cambrils (Tarragona, Spain)
Units installed: Suite 1X1

ESCUELA MARIA MAROTO
SCHOOL

Location: Murcia (Spain)
Units installed: Multisystem Suite

AQUATIX
Heat Pumps Range

AQUATIX

Heat Pumps Range

KAYSUN'S AQUANTIA PRO RANGE

Efficient solutions for thermal comfort

KHPIS-BI PRO

Aquantia Bibloc Integrated

- The ideal solution for integration in kitchens and bathrooms (600 x 600)
- Integrated 190 or 240-litre stainless steel hot water tanks
- Integration with solar PV for additional savings

R-32 REFRIGERANT | WiFi | DOMESTIC HOT WATER | COOLING AND HEATING | CONFIGURATION VIA USB PORT | DC INVERTER COMPRESSOR | COMPATIBLE WITH AIRZONE

Capacity kW	4	6	8	10	12	14	16	Single-phase
Capacity kW						14	16	Three-phase

KHPMS-BI PRO

Aquantia Bibloc Wall-mounted

- The ideal solution for replacing gas boilers and heaters
- The most compact design in its category
- Integration with solar PV for additional savings

R-32 REFRIGERANT | WiFi | SMART GRID READY | DOMESTIC HOT WATER | COOLING AND HEATING | CONFIGURATION VIA USB PORT | DC INVERTER COMPRESSOR | COMPATIBLE WITH AIRZONE

Capacity kW	4	6	8	10	12	14	16	Single-phase
Capacity kW						14	16	Three-phase

KHPS-MO PRO

Aquantia Monobloc 100% hydraulic

- The ideal solution for professionals who are not certified refrigerator specialists (100% hydraulic)
- Cascade setting without special control
- Integration with solar PV for additional savings

R-32 REFRIGERANT | WiFi | SMART GRID READY | DOMESTIC HOT WATER | MODULAR | COOLING AND HEATING | CONFIGURATION VIA USB PORT | COMPATIBLE WITH AIRZONE

Capacity kW	4	6	8	10	12	14	16	Single-phase
Capacity kW					12	14	16	Three-phase

frigicoll

KHPS-MO PRO HP

Aquantia Monobloc High-power 100% hydraulic

- The ideal solution for professionals who are not certified refrigerator specialists (100% hydraulic)
- Integration with solar PV for additional savings
- Climate control for large areas

R-32 REFRIGERANT · WiFi · SMART GRID READY · DOMESTIC HOT WATER · MODULAR · COOLING AND HEATING · CONFIGURATION VIA USB PORT · COMPATIBLE WITH AIRZONE

Capacity kW: 18 22 26 30

KHHP-BI

Solution with multi-hybrid system

KHHP-BI is the perfect solution for those seeking a compromise between an affordable, efficient system and one providing immediate comfort. Its wall-fitting hydraulic kit and set of ducts makes it the most versatile solution in the range.

R-32 REFRIGERANT · WiFi · DOMESTIC HOT WATER · COOLING AND HEATING · GOLDEN FIN · DC INVERTER COMPRESSOR

Hydrokit capacity kW: 8

COMPAK

Compact unit with evaporator, condenser and DHW tank incorporated within hot water system. Produces and stores domestic hot water in an extremely efficient way. Also available in twin heat exchanger for integration of solar thermal installation.

R-134A REFRIGERANT · THERMAL SOLAR SUPPORT · ECO MODE · DOMESTIC HOT WATER

Volume L: 180 280

DOMESTIC HOT WATER TANKS

The Aquatix range includes tanks for domestic hot water and underfloor heating. These accumulators are part of the KHPS-MO PRO, KHPMS-BI PRO and KHHP-BI assemblies.

DOMESTIC HOT WATER

Volume L: 270 475

WHAT IS AEROTHERMAL ENERGY?

Kaysun Aquantia is an integrated system that provides heating, cooling and domestic hot water to your home. Enjoy maximum comfort throughout the year, with the high energy efficiency provided by this reversible heat pump. The system obtains renewable energy from outside to control the climate (with cold and heat) in your home. It is the most efficient technology, absorbing more energy from the outdoor than what it consumes. Aquantia, in addition to being more environmentally-friendly and energy efficient than other systems such as boilers, can replace them or work with them side by side.

NEW

Kaysun Aquantia

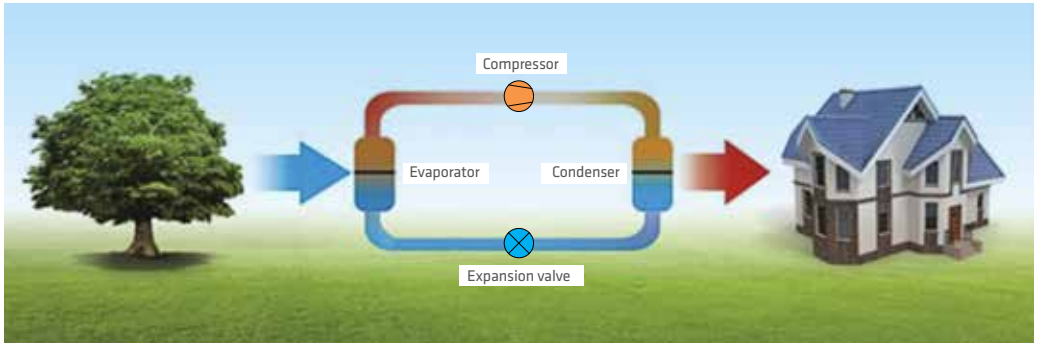
COOLING + HEATING + DOMESTIC HOT WATER

3-in-1 solution

- Maximum energy efficiency
- Flexibility
- Easy installation and maintenance
- Remote control via the Comfort Home app
- A team with years of experience in air-to-water systems

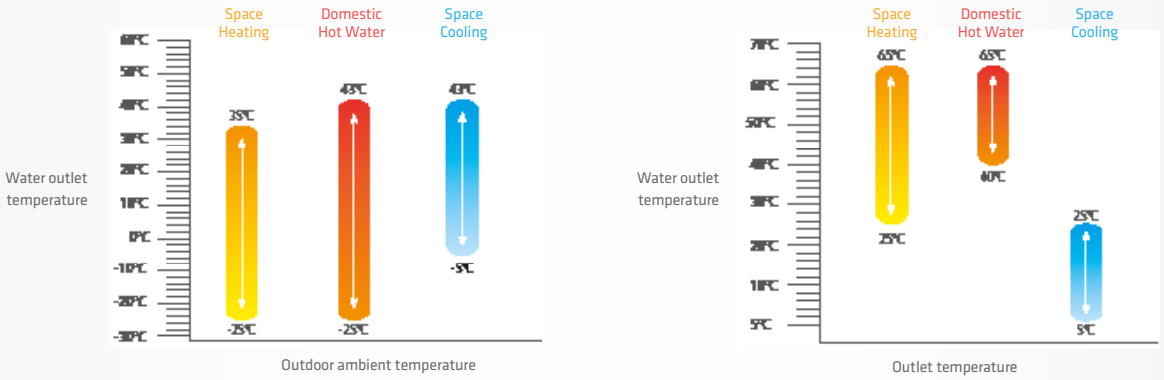
DO YOU KNOW HOW AN AIR-TO-WATER SYSTEM WORKS?

Air-To-Water systems are capable of extracting heat from the surrounding air and transferring it indoors for space heating and domestic hot water. The Aquantia heat pump technology is reversible, meaning it can either be used for those applications (heating and DHW) and also for cooling, reversing the cycle and transferring the heat outside. Even if the outside temperature is freezing at -25°C or really hot at more than +35°C, the Aquantia unit will work with better performances than traditional sources (as gas boilers), facilitating the payback of the air-to-water installation.



As well as offering climatic comfort in every season, Kaysun Aquantia ensures sustainable and economic domestic hot water in your home. You'll find all the comfort you need in a single piece of equipment.

Wide range of operating temperatures



KAYSUN'S AQUANTIA PRO RANGE

Different installation options depending on your requirements

KHPIS-BI PRO

KHPIS-BI PRO is Kaysun's response to the need for a compact indoor unit that occupies the minimum space without renouncing the comfort and energy saving of an air/water heat pump.

KHPS-MO PRO

KHPS-MO PRO is the most compact solution in the range, as it only comprises a single outdoor unit, a wired remote control and a domestic hot water tank (optional). It is the most suitable solution for installations where there are no more than 5-6 m between the outdoor unit and the domestic hot water tank. KHPS-MO PRO can be controlled via the Kaysun mobile app.

KHPMS-BI PRO

KHPMS-BI PRO represents a more modular solution, as it comprises 2 units (outdoor and indoor) and a domestic hot water tank (optional). It is ideal to replace conventional wall-mounted boilers. The solution can also be controlled via the Kaysun mobile app. The two assemblies represent the ideal solution for installations where it is necessary to cover a large distance between the outdoor and indoor units.

Download on the App Store

ANDROID APP ON Google play

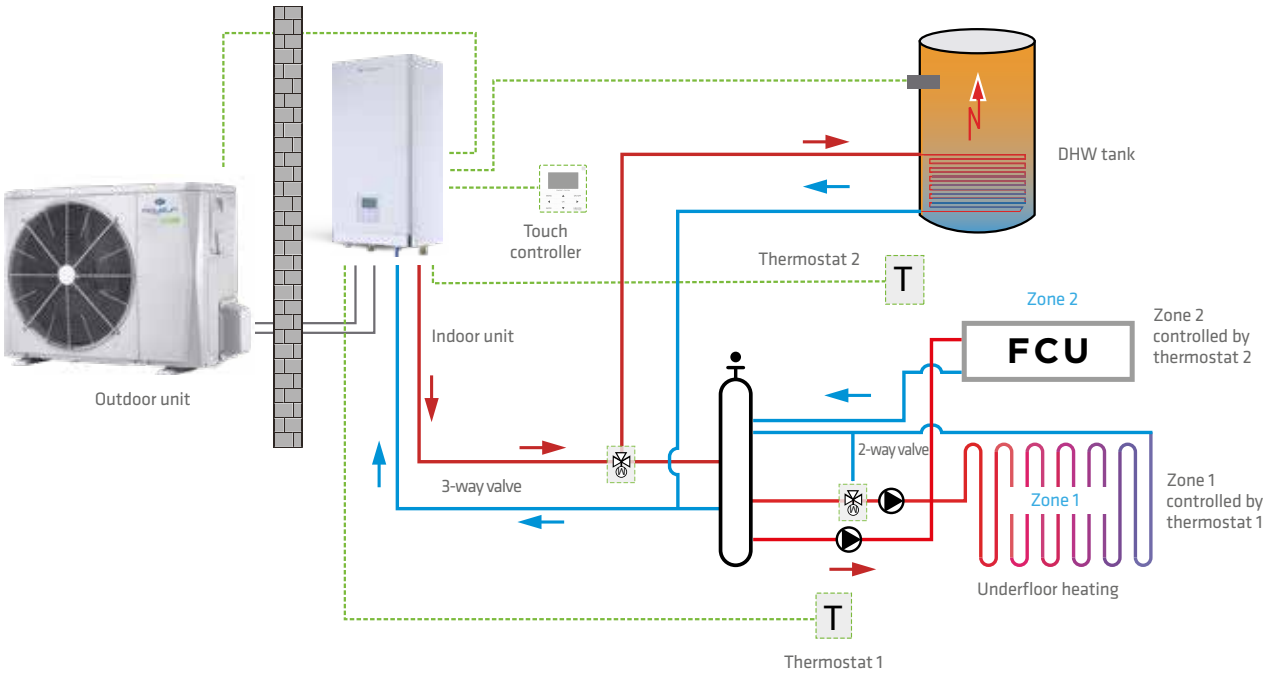
Download the app Comfort Home to be able to control an Aquantia installation remotely with your portable device. Take control of your HVAC system to start saving in your bills and enjoy the next level of thermal comfort!

KHPS-MO PRO HP

This is the KHPS-MO PRO high power range, reaching up to 30 kW and 180 kW if installed in cascade, with no additional controls!

KHHP-BI

KHHP-BI is the Kaysun hybrid solution, which takes advantage of the immediacy and stability of a direct expansion system, in combination with the incomparable efficiency and thermal comfort of an air/water system. With a single outdoor unit from the R-32 multisystem range, it is possible to provide homes of any type with greater thermal comfort throughout the year.



This diagram shows a simplified version. Follow the installation manual to contact your distributor or our services during installation. For more diagrams, see installation and user manuals on our website at **www.kaysun.es/en**

AQUANTIA PRO. Main features

Kaysun presents its Air-to-water systems, which via a heat pump cover the demands of climate control, heating and domestic hot water in your home to perfection. These maximum energy efficiency systems are well known for their capacity to dramatically reduce domestic power consumption. Only Kaysun can bring together the latest technology and innovation to create Kaysun Aquantia, the system that provides your home with maximum comfort and energy performance throughout the year.

→ Smart, flexible system

The system self-regulates based on changes in outdoor temperature and the energy requirements of the installation or home in order to provide the optimum results at all times.

→ Water discharged at 65°C

With a discharge capacity up to 65°C at an outdoor temperature of +5°C and up to 60°C with an outdoor temperature of -15°C, Aquantia PRO assures thermal comfort under any conditions in addition to an accumulation of domestic hot water at 60°C.

R-32

The new gas R-32 reduces the necessary charge by 30%, has no effect on the ozone layer, and reduces its global warming impact by 70% in relation to its predecessor.

Compact dimensions

The indoor units of the KHPMS-BI PRO and KHPIS-BI PRO assemblies were developed as a result of the need to adapt to domestic environments of all types with the aim of replacing existing traditional equipment such as boilers.

➔ Easy installation, start-up and maintenance

The new USB port allows the unit to be set in a few seconds and diagnostics to be performed in order to minimise the start-up or maintenance time.

➔ Full integration within Acuazone

The entire Aquantia PRO range is compatible with the Acuazone control, designed specifically for multiple zone air-to-water systems (underfloor heating, fancoils, radiators, etc...up to 32 different services). Full integration within the Airzone gateway: Wifi, Amazon Alexa, Google Assistant, BACnet, KNX, Modbus RTU, etc.

COMPATIBLE WITH AIRZONE

➔ Standards and prescription tools

The PRO range's solutions are compliant with most of European, national and regional legal frameworks to be considered a form of renewable energy and apply to grant schemes (e.g.: UK's MCS, Slovenia's EKO SKLAD, Germany's BAFA...).

MCS CERTIFIED

EKO SKLAD
SLOVENSKI OKOLJSKI JAVNI SKLAD

➔ Smart Home and BMS

The wired control included allows the user to enjoy a pleasant, intuitive experience capable of satisfying zoning needs of any nature. The possibility to control and monitor an installation using the Comfort Home app via WiFi and its integration with Amazon Alexa and Google Assistant makes the user experience even more enjoyable and, above all, efficient. Direct integration with ModBus RTU systems is also available.

SG Ready
Smart Heat Pumps

ErP Directive

All the equipment in the Aquantia PRO range are equipped with the Smart Grid protocol as standard, with the aim of achieving the best compromise between comfort and savings on bills.

CEN heat pump
KEYMARK

HP Keymark certification

The Aquantia PRO and Compak range solutions have HP Keymark certification. All technical specifications are certified to meet the most rigorous standards.

KHPIS-BI PRO

Aquantia Bibloc Integrated

The KHPIS-BI PRO assembly is the **integrated multi-task solution** from the Aquantia PRO range that provides thermal comfort in domestic environments where a lack of space could be a problem and it is necessary to integrate the installation within the design of the home. Thanks to the possibility of discharging water up to 65°C with an external temperature of 5 °C, it can provide heating via **high-efficiency radiators, fancoils and underfloor heating, and accumulate domestic hot water at 60°C** (70°C in conjunction with solar heating; integrated 190 or 240-litre tank). During summer it can cool via the same heating terminals*.

The new USB port allows the settings of a unit to be replicated in a few seconds in order to **minimise the start-up or maintenance time**. Thanks to its special design, the unit is so silent that when operating it could be confused with the typical sounds of a natural setting. The use of top-quality components (Wilo, Alfa-Laval, GMCC, among others) provides the KHPIS-BI PRO with the **highest possible ratings under the ErP directive** and the ability to be considered as a renewable energy system. Its performance promotes energy saving, care of the planet and savings on bills.

The wired control included with the indoor **unit allows the user to enjoy a pleasant, intuitive experience** capable of satisfying all manner of needs and zoning. The possibility to control and monitor an installation using the Comfort Home app makes the user experience even more enjoyable and, above all, efficient.

100% integrable

With its 600x600 surface, the indoor unit of the KHPIS-BI PRO assembly can be integrated within bathroom, kitchen and spare room furniture.

Efficiency and durability

The integrated indoor unit of the KHPIS-BI PRO assembly has an integrated stainless steel tank for domestic hot water fully insulated by a 4.5 cm polymer layer.

* The radiators are for the sole purpose of heating.

Product certified by: CN heat pump KEYMARK

R-32 REFRIGERANT | WiFi | DOMESTIC HOT WATER | COOLING AND HEATING | CONFIGURATION VIA USB PORT | DC INVERTER COMPRESSOR | COMPATIBLE WITH AIRZONE

SET MODEL			KHPIS-BI 4 PRO L KHPIS-BI 4 PRO XL	KHPIS-BI 6 PRO L KHPIS-BI 6 PRO XL	KHPIS-BI 8 PRO L KHPIS-BI 8 PRO XL	KHPIS-BI 10 PRO L KHPIS-BI 10 PRO XL	KHPIS-BI 12 PRO XL
Power supply		V/ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
Outdoor unit			KHP-BI 4 DVR2	KHP-BI 6 DVR2	KHP-BI 8 DVR2	KHP-BI 10 DVR2	KHP-BI 12 DVR2
Indoor unit			KHPI-BI-10VR2L KHPI-BI-10VR2XL	KHPI-BI-10VR2L KHPI-BI-10VR2XL	KHPI-BI-10VR2L KHPI-BI-10VR2XL	KHPI-BI-10VR2L KHPI-BI-10VR2XL	KHPI-BI-16VR2XL
DHW tank			Integrated; Stainless	Integrated; Stainless	Integrated; Stainless	Integrated; Stainless	Integrated; Stainless
Recommended control			Integrated	Integrated	Integrated	Integrated	Integrated
Outdoor unit	Heating capacity / COP (A7°C, W35°C)		4.25 / 5.2	6.2 / 5	8.3 / 5.2	10 / 5	12.1 / 4.95
	Heating capacity / COP (A7°C, W55°C)		4.4 / 2.95	6 / 3	7.5 / 3.18	9.5 / 3.1	12 / 3.1
	Heating capacity / COP (A-7°C, W35°C)		4.8 / 3.15	6.1 / 3.05	7.1 / 3.25	8.25 / 3.15	10 / 3
	Heating capacity / COP (A-7°C, W55°C)		4 / 1.95	5.15 / 2	6.15 / 2.05	6.85 / 2	10 / 2.05
	Cooling capacity / EER (A35°C, W18°C)		4.5 / 5.55	6.55 / 4.9	8.4 / 5.05	10 / 4.8	12 / 4
	Cooling capacity / EER (A35°C, W7°C)		4.7 / 3.45	7 / 3	7.4 / 3.38	8.2 / 3.3	11.6 / 2.75
	Average heating temperature (W35°C/ W55°C), Seasonal energy efficiency	∩s %	191 / 129.5	195 / 137.9	205.6 / 131.5	204.8 / 136.6	189.4 / 135.1
		SCOP	4.85 / 3.31	4.95 / 3.52	5.22 / 3.37	5.2 / 3.47	4.81 / 3.45
	Average heating temperature (W35°C/ W55°C), Energy class	From A+++ to D	A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++
	Warm heating temperature (W35°C/ W55°C), Seasonal energy efficiency	∩s %	255.4 / 163.1	259.8 / 164.7	276.6 / 175.8	280.5 / 180.3	256.1 / 174
		SCOP	6.46 / 4.15	6.57 / 4.21	6.99 / 4.5	7.09 / 4.62	6.48 / 4.43
	Warm heating temperature (W35°C/ W55°C), Energy class	From A+++ to D	A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++
	Cold heating temperature (W35°C/ W55°C), Seasonal energy efficiency	∩s %	159.5 / 102.1	165.3 / 111.1	170 / 112	169.8 / 116.4	160.2 / 117.8
		SCOP	4.06 / 2.63	4.21 / 2.85	4.33 / 2.88	4.32 / 2.99	4.08 / 3.02
	Cold heating temperature (W35°C/ W55°C), Energy class	From A+++ to D	A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++
	Efficiency SEER (W18°C)		7.77	8.21	8.95	8.78	7.1
	Efficiency SEER (W7°C)		4.99	5.34	5.83	5.98	4.89
	Width/height/depth	mm	1008 / 712 / 426	1008 / 712 / 426	1118 / 865 / 523	1118 / 865 / 523	1118 / 865 / 523
	Net weight	kg	58	58	77	77	96
	Type refrigerant		R-32	R-32	R-32	R-32	R-32
	Refrigerant charge	kg	1.5	1.5	1.65	1.65	1.84
	Max. vertical distance with outdoor unit at the top	m	20	20	20	20	20
	Max. horizontal distance	m	30	30	30	30	30
	Pipe liquid/gas	inch	1/4" / 5/8"	1/4" / 5/8"	3/8" / 5/8"	3/8" / 5/8"	3/8" / 5/8"
	Recommended wiring section, supply	mm²	3x2,5	3x2,5	3x2,5	3x2,5	3x6
	Recommended fuse, supply	A	D20	D20	D20	D20	D32
	Max. intensity	A	18	18	19	19	30
Indoor unit	Width/height/depth	mm	600 / 1683 / 600 (L) 600 / 1943 / 600 (XL)	600 / 1683 / 600 (L) 600 / 1943 / 600 (XL)	600 / 1683 / 600 (L) 600 / 1943 / 600 (XL)	600 / 1683 / 600 (L) 600 / 1943 / 600 (XL)	600 / 1943 / 600 (XL) / /
	Poids net	kg	138.6 155.3	138.6 155.3	138.6 155.3	138.6 155.3	155.3
	DHW energy efficiency, Load profile according to EN16147 (L), Warm climate	class	A+	A+	A+	A+	-
		COP	3.8	3.8	3.66	3.66	-
		SCOPdhw	4.03	4.03	3.85	3.85	-
	DHW energy efficiency, Load profile according to EN16147 (L), Average climate	class	A+	A+	A+	A+	-
		COP	3.1	3.1	3.02	3.02	-
		SCOPdhw	3.28	3.28	3.2	3.2	-
	DHW energy efficiency, Load profile according to EN16147 (L), Cold climate	class	A	A	A	A	-
		COP	2.5	2.5	2.61	2.61	-
		SCOPdhw	2.65	2.65	2.75	2.75	-
	DHW energy efficiency, Load profile according to EN16147 (XL), Warm climate	class	A+	A+	A+	A+	A+
		COP	4.24	4.24	4.18	4.18	3.73
		SCOPdhw	4.43	4.43	4.35	4.35	3.95
	DHW energy efficiency, Load profile according to EN16147 (XL), Average climate	class	A+	A+	A+	A+	A+
		COP	3.34	3.34	3.36	3.36	3
		SCOPdhw	3.48	3.48	3.5	3.5	3.18
	DHW energy efficiency, Load profile according to EN16147 (XL), Cold climate	class	A	A	A	A	A
		COP	2.63	2.63	2.72	2.72	2.24
		SCOPdhw	2.75	2.75	2.85	2.85	2.38
	Capacity	l	190/240	190/240	190/240	190/240	240
	Recommended wiring section, supply	mm²	3x2,5	3x2,5	3x2,5	3x2,5	3x2,5
	Recommended fuse, supply	A	C16	C16	C16	C16	C16
	Max. intensity	A	14.3	14.3	14.3	14.3	14.3
Water outlet temperature	Heating min./max.	°C	25°C / 65°C	25°C / 65°C	25°C / 65°C	25°C / 65°C	25°C / 65°C
	Cooling min./max.	°C	5°C / 25°C	5°C / 25°C	5°C / 25°C	5°C / 25°C	5°C / 25°C
	DHW min./max.	°C	30°C / 60°C	30°C / 60°C	30°C / 60°C	30°C / 60°C	30°C / 60°C
Working range	Outdoor temperature for cooling min./max.	°C	-5°C / 43°C	-5°C / 43°C	-5°C / 43°C	-5°C / 43°C	-5°C / 43°C
	Outdoor temperature for heating min./max.	°C	-25°C / 35°C	-25°C / 35°C	-25°C / 35°C	-25°C / 35°C	-25°C / 35°C
	Outdoor temperature for DHW min./max.	°C	-25°C / 43°C	-25°C / 43°C	-25°C / 43°C	-25°C / 43°C	-25°C / 43°C

Supplementary charge: The initial charging is valid for the first 15 m (liquid line). For greater distances, a supplementary charge of 0.020 kg/m is required per each additional metre for models 4/6, and 0.038 kg/m per each additional metre for models 8/10/12/14/16.

(*): The power supply for indoor units is single-phase 220-240 V/1/50 Hz.

KHPIS-BI PRO

Aquantia Bibloc Integrated

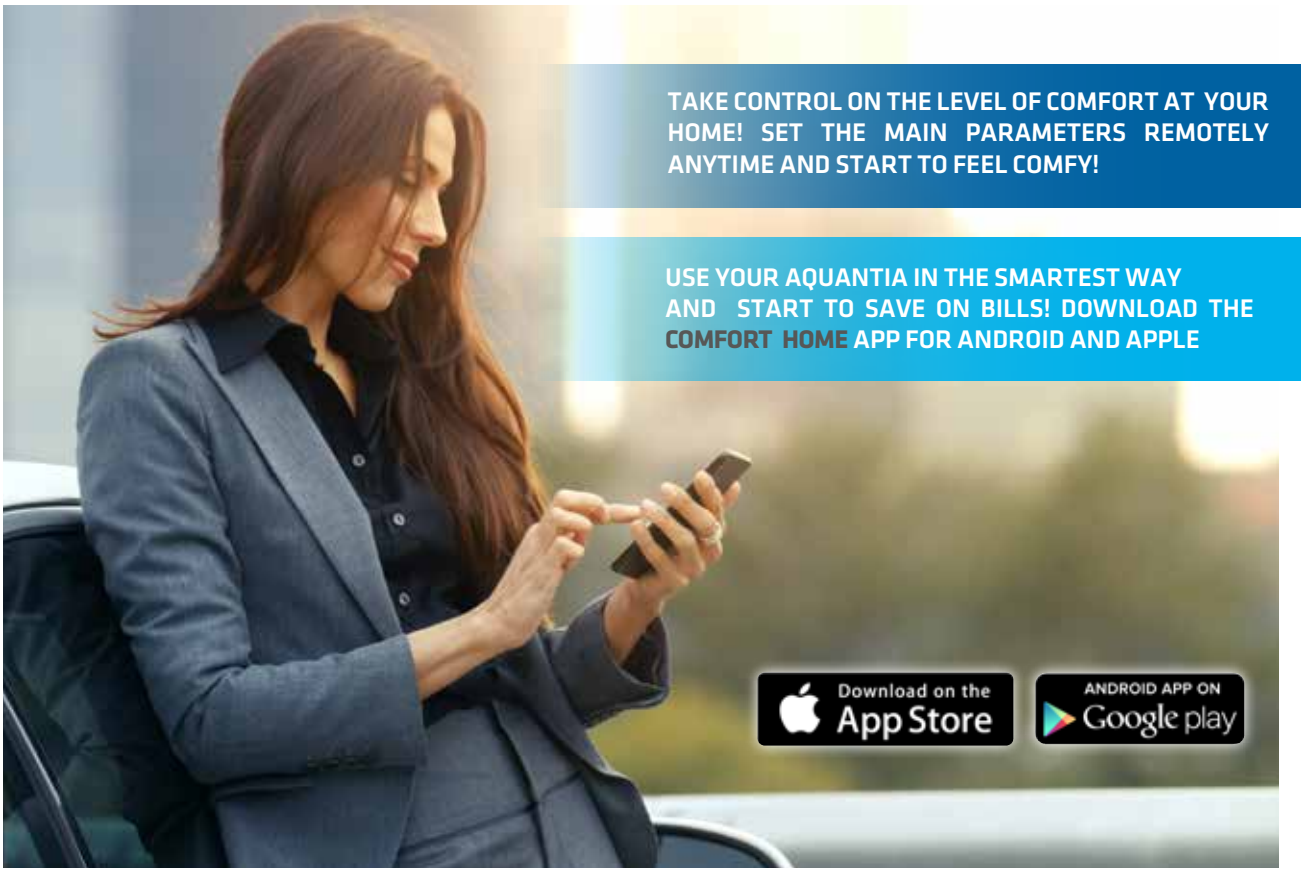
Product certified by: CN heat pump KEYMARK

R-32 REFRIGERANT | WiFi | DOMESTIC HOT WATER | COOLING AND HEATING | CONFIGURATION VIA USB PORT | DC INVERTER COMPRESSOR | COMPATIBLE WITH AIRZONE

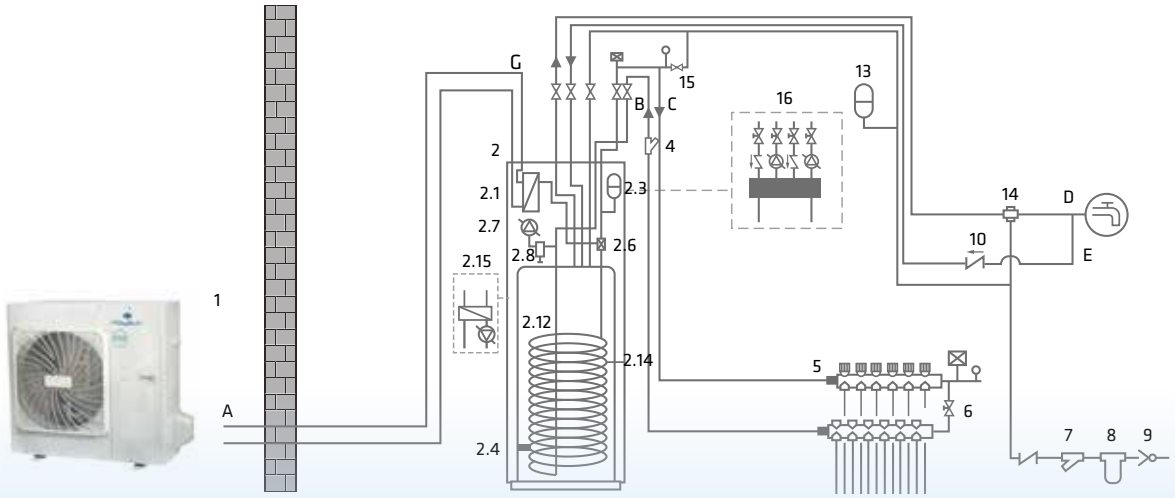
SET MODEL			KHPIS-BI 14 PRO XL	KHPIS-BI 16 PRO XL	KHPIS-BI 14T PRO XL	KHPIS-BI 16T PRO XL
Power supply		V/ph/Hz	220-240/1/50	220-240/1/50	380-415/3/50	380-415/3/50
Outdoor unit			KHP-BI 14 DVR2	KHP-BI 16 DVR2	KHP-BI 14 DTR2	KHP-BI 16 DTR2
Indoor unit			KHPI-BI-16VR2XL	KHPI-BI-16VR2XL	KHPI-BI-16VR2XL	KHPI-BI-16VR2XL
DHW tank			Integrated; Stainless	Integrated; Stainless	Integrated; Stainless	Integrated; Stainless
Recommended control			Integrated	Integrated	Integrated	Integrated
Outdoor unit	Heating capacity / COP (A7°C, W35°C)		14.5 / 4.7	16 / 4.5	14.5 / 4.7	16 / 4.5
	Heating capacity / COP (A7°C, W55°C)		13.8 / 3	16 / 2.9	13.8 / 3	16 / 2.9
	Heating capacity / COP (A-7°C, W35°C)		12 / 2.8	13.3 / 2.7	12 / 2.8	13.3 / 2.7
	Heating capacity / COP (A-7°C, W55°C)		11 / 2.05	12.5 / 2.02	11 / 2.05	12.5 / 2.02
	Cooling capacity / EER (A35°C, W18°C)		13.5 / 3.61	14.9 / 3.4	13.5 / 3.61	14.9 / 3.4
	Cooling capacity / EER (A35°C, W7°C)		12.7 / 2.55	14 / 2.45	12.7 / 2.55	14 / 2.45
	Average heating temperature (W35°C/ W55°C), Seasonal energy efficiency	ηs %	185.7 / 135.6	181.7 / 133.3	185.6 / 135.6	181.6 / 133.2
		SCOP	4.72 / 3.47	4.62 / 3.41	4.72 / 3.47	4.62 / 3.41
	Average heating temperature (W35°C/ W55°C), Energy class	From A+++ to D	A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++
	Warm heating temperature (W35°C/ W55°C), Seasonal energy efficiency	ηs %	260.3 / 176.5	248.5 / 176.1	259.8 / 176.4	248.1 / 175.9
		SCOP	6.58 / 4.45	6.29 / 4.48	6.57 / 4.44	6.28 / 4.47
	Warm heating temperature (W35°C/ W55°C), Energy class	From A+++ to D	A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++
	Cold heating temperature (W35°C/ W55°C), Seasonal energy efficiency	ηs %	159.6 / 118.9	157.8 / 121.8	159.6 / 118.9	157.8 / 121.8
		SCOP	4.07 / 3.05	4.02 / 3.12	4.07 / 3.05	4.02 / 3.12
	Cold heating temperature (W35°C/ W55°C), Energy class	From A+++ to D	A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++
	Efficiency SEER (W18°C)		6.9	6.75	6.85	6.71
	Efficiency SEER (W7°C)		4.86	4.69	0.83	4.67
	Width/height/depth	mm	1118 / 865 / 523	1118 / 865 / 523	1118 / 865 / 523	1118 / 865 / 523
	Net weight	kg	96	96	112	112
	Type refrigerant		R-32	R-32	R-32	R-32
	Refrigerant charge	kg	1.84	1.84	1.84	1.84
	Max. vertical distance with outdoor unit at the top	m	20	20	20	20
	Max. horizontal distance	m	30	30	30	30
	Pipe liquid/gas	inch	3/8" / 5/8"	3/8" / 5/8"	3/8" / 5/8"	3/8" / 5/8"
	Recommended wiring section, supply	mm²	3x6	3x6	5x2,5	5x2,5
	Recommended fuse, supply	A	D32	D32	D16	D16
	Max. intensity	A	30	30	14	14
Indoor unit	Width/height/depth	mm	600 / 1943 / 600 (XL)	600 / 1943 / 600 (XL)	600 / 1943 / 600 (XL)	600 / 1943 / 600 (XL)
	Net weight	kg	155.3	155.3	155.3	155.3
	DHW energy efficiency, Load profile according to EN16147 (L), Warm climate	class	-	-	-	-
		COP	-	-	-	-
		SCOPdhw	-	-	-	-
	DHW energy efficiency, Load profile according to EN16147 (L), Average climate	class	-	-	-	-
		COP	-	-	-	-
		SCOPdhw	-	-	-	-
	DHW energy efficiency, Load profile according to EN16147 (L), Cold climate	class	-	-	-	-
		COP	-	-	-	-
		SCOPdhw	-	-	-	-
	DHW energy efficiency, Load profile according to EN16147 (XL), Warm climate	class	A+	A+	A+	A+
		COP	3.73	3.73	3.73	3.73
		SCOPdhw	3.95	3.95	3.93	3.93
	DHW energy efficiency, Load profile according to EN16147 (XL), Average climate	class	A+	A+	A+	A+
		COP	3	3	3	3
		SCOPdhw	3.18	3.18	3.18	3.18
	DHW energy efficiency, Load profile according to EN16147 (XL), Cold climate	class	A	A	A	A
		COP	2.24	2.24	2.24	2.24
		SCOPdhw	2.38	2.38	2.38	2.38
	Capacity	l	240	240	240	240
	Recommended wiring section, supply	mm²	3x2,5	3x2,5	3x2,5	3x2,5
	Recommended fuse, supply	A	C16	C16	C16	C16
	Max. intensity	A	14.3	14.3	14.3	14.3
Water outlet temperature	Heating min./max.	°C	25°C / 65°C	25°C / 65°C	25°C / 65°C	25°C / 65°C
	Cooling min./max.	°C	5°C / 25°C	5°C / 25°C	5°C / 25°C	5°C / 25°C
	DHW min./max.	°C	30°C / 60°C	30°C / 60°C	30°C / 60°C	30°C / 60°C
Working range	Outdoor temperature for cooling min./max.	°C	-5°C / 43°C	-5°C / 43°C	-5°C / 43°C	-5°C / 43°C
	Outdoor temperature for heating min./max.	°C	-25°C / 35°C	-25°C / 35°C	-25°C / 35°C	-25°C / 35°C
	Outdoor temperature for DHW min./max.	°C	-25°C / 43°C	-25°C / 43°C	-25°C / 43°C	-25°C / 43°C

Supplementary charge: The initial charging is valid for the first 15 m (liquid line). For greater distances, a supplementary charge of 0.020 kg/m is required per each additional metre for models 4/6, and 0.038 kg/m per each additional metre for models 8/10/12/14/16.
(*): The power supply for indoor units is single-phase 220-240 V/1/50 Hz.

AQUANTIA PRO SETS ARE NOW CONNECTED



→ KHPIS-BI PRO, simplified installation diagram



1. Outdoor unit
2. Indoor unit
2.1. Gas-water exchanger
2.3. Expansion vessel
2.4. Security valve
2.6. 3WV DHW
2.7. ACS pump
2.8. Filter

2.12. DHW tank
2.14. Backup heater DHW
2.15. PV kit
2.15. Y filter
5. Collectors
6. Collectors bypass
7. DHW filter
8. Water inlet treatment

9. Pressure reducer
10. Recirculation's backflow valve
13. DHW expansion vessel
14. Thermostatic valve
16. KIRE2HLX
19. Buffer tank

A) Gas piping
B) Return
C) Impulsion
D) DHW
E) DHW recirculation
F) Water inlet
G) Gas

This installation diagram a simplified version, for further information please visit our website, check the Aquatix range manuals or contact our presales department.

KHPMS-BI PRO

Aquantia Bibloc Wall-mounted

The KHPMS-BI PRO assembly is the **multi-task modular solution** from the Aquantia PRO range that provides thermal comfort for medium to large spaces. Thanks to the possibility of discharging water up to 65°C with an external temperature of 5°C, it can provide heating via **high-efficiency radiators, fancoils and underfloor heating, and accumulate domestic hot water at 60°C** (70°C with solar heating). During summer it can cool via the same heating terminals*.

The new USB port allows the unit to be set in a few seconds and diagnostics to be performed in order to **minimise the start-up or maintenance time**. Thanks to its special design, the unit is **so silent** that it could be confused with the typical sounds of a natural setting when operating.

The use of top-quality components (Wilo, Alfa-Laval, GMCC, among others) provides the KHPMS-BI PRO with the **highest possible ratings under the ErP directive** and the ability to be considered as a renewable energy system. Its performance promotes energy saving, care of the planet and savings on bills.

The wired control included with the indoor unit **allows the user to enjoy a pleasant intuitive experience** capable of satisfying all manner of needs and zoning. The possibility to control and monitor an installation using the Comfort Home app makes the user experience even more enjoyable and, above all, efficient.

Renew the installation and save!

Minimalist design indoor unit and selected materials, perfect to replace wall gas boilers and heaters.

Use patios and balconies

Just one fan for all units up to 16 kW, minimizing the used space and providing greater use of covers and patios/balconies.

* The radiators are for the sole purpose of heating.

Product certified by: CN heat pump KEYMARK

R-32 REFRIGERANT | WiFi | SMART GRID READY | DOMESTIC HOT WATER | COOLING AND HEATING | CONFIGURATION VIA USB PORT | DC INVERTER COMPRESSOR | COMPATIBLE WITH AIRZONE

SET MODEL			KHPMS-BI 4 PRO	KHPMS-BI 6 PRO	KHPMS-BI 8 PRO	KHPMS-BI 10 PRO	KHPMS-BI 12 PRO
Power supply		V/ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
Outdoor unit			KHP-BI 4 DVR2	KHP-BI 6 DVR2	KHP-BI 8 DVR2	KHP-BI 10 DVR2	KHP-BI 12 DVR2
Indoor unit			KHPM-BI 6 DVR2	KHPM-BI 6 DVR2	KHPM-BI 10 DVR2	KHPM-BI 10 DVR2	KHPM-BI 16 DVR2
Optional DHW			BSX270	BSX270	BSX270/475	BSX270/475	BSX270/475
Recommended control			Integrated	Integrated	Integrated	Integrated	Integrated
Outdoor unit	Heating capacity / COP (A7°C, W35°C)		4.25 / 5.2	6.2 / 5	8.3 / 5.2	10 / 5	12.1 / 4.95
	Heating capacity / COP (A7°C, W55°C)		4.4 / 2.95	6 / 3	7.5 / 3.18	9.5 / 3.1	12 / 3.1
	Heating capacity / COP (A-7°C, W35°C)		4.8 / 3.15	6.1 / 3.05	7.1 / 3.25	8.25 / 3.15	10 / 3
	Heating capacity / COP (A-7°C, W55°C)		4 / 1.95	5.15 / 2	6.15 / 2.05	6.85 / 2	10 / 2.05
	Cooling capacity / EER (A35°C, W18°C)		4.5 / 5.55	6.55 / 4.9	8.4 / 5.05	10 / 4.8	12 / 4
	Cooling capacity / EER (A35°C, W7°C)		4.7 / 3.45	7 / 3	7.4 / 3.38	8.2 / 3.3	11.6 / 2.75
	Average heating temperature (W35°C/ W55°C), Seasonal energy efficiency	ηs %	191 / 129.5	195 / 137.9	205.6 / 131.5	204.8 / 136.6	189.4 / 135.1
		SCOP	4.85 / 3.31	4.95 / 3.52	5.22 / 3.37	5.2 / 3.47	4.81 / 3.45
	Average heating temperature (W35°C/ W55°C), Energy class	From A+++ to D	A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++
	Warm heating temperature (W35°C/ W55°C), Seasonal energy efficiency	ηs %	255.4 / 163.1	259.8 / 164.7	276.6 / 175.8	280.5 / 180.3	256.1 / 174
		SCOP	6.46 / 4.15	6.57 / 4.21	6.99 / 4.5	7.09 / 4.62	6.48 / 4.43
	Warm heating temperature (W35°C/ W55°C), Energy class	From A+++ to D	A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++
	Cold heating temperature (W35°C/ W55°C), Seasonal energy efficiency	ηs %	159.5 / 102.1	165.3 / 111.1	170 / 112	169.8 / 116.4	160.2 / 117.8
		SCOP	4.06 / 2.63	4.21 / 2.85	4.33 / 2.88	4.32 / 2.99	4.08 / 3.02
	Cold heating temperature (W35°C/ W55°C), Energy class	From A+++ to D	A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++
	Efficiency SEER (W18°C)		7.77	8.21	8.95	8.78	7.1
	Efficiency SEER (W7°C)		4.99	5.34	5.83	5.98	4.89
	Width/height/depth	mm	1008 / 712 / 426	1008 / 712 / 426	1118 / 865 / 523	1118 / 865 / 523	1118 / 865 / 523
	Net weight	kg	58	58	77	77	96
	Type refrigerant		R-32	R-32	R-32	R-32	R-32
	Refrigerant charge	kg	1.5	1.5	1.65	1.65	1.84
	Max. vertical distance with outdoor unit at the top	m	20	20	20	20	20
	Max. horizontal distance	m	30	30	30	30	30
	Pipe liquid/gas	inch	1/4" / 5/8"	1/4" / 5/8"	3/8" / 5/8"	3/8" / 5/8"	3/8" / 5/8"
	Recommended wiring section, supply	mm²	3x2,5	3x2,5	3x2,5	3x2,5	3x6
	Recommended fuse, supply	A	D20	D20	D20	D20	D32
	Max. intensity	A	18	18	19	19	30
Indoor unit	Electrical heater support	W	3000	3000	3000	3000	3000
	Width/height/depth	mm	420 / 790 / 270	420 / 790 / 270	420 / 790 / 270	420 / 790 / 270	420 / 790 / 270
	Net weight	kg	37	37	37	37	39
Water outlet temperature	Heating min./max.	°C	25°C / 65°C	25°C / 65°C	25°C / 65°C	25°C / 65°C	25°C / 65°C
	Cooling min./max.	°C	5°C / 25°C	5°C / 25°C	5°C / 25°C	5°C / 25°C	5°C / 25°C
	DHW min./max.	°C	30°C / 60°C	30°C / 60°C	30°C / 60°C	30°C / 60°C	30°C / 60°C
Working range	Outdoor temperature for cooling min./ max.	°C	-5°C / 43°C	-5°C / 43°C	-5°C / 43°C	-5°C / 43°C	-5°C / 43°C
	Outdoor temperature for heating min./ max.	°C	-25°C / 35°C	-25°C / 35°C	-25°C / 35°C	-25°C / 35°C	-25°C / 35°C
	Outdoor temperature for DHW min./ max.	°C	-25°C / 43°C	-25°C / 43°C	-25°C / 43°C	-25°C / 43°C	-25°C / 43°C

Supplementary charge: The initial charging is valid for the first 15 m (liquid line). For greater distances, a supplementary charge of 0.020 kg/m is required per each additional metre for models 4/6, and 0.038 kg/m per each additional metre for models 8/10/12/14/16.
(*): The power supply for indoor units is single-phase 220-240 V/1/50 Hz.

KHPMS-BI PRO

Aquantia Bibloc Wall-mounted

Product certified by: CN heat pump KEYMARK

R-32 REFRIGERANT | WiFi | SMART GRID READY | DOMESTIC HOT WATER | COOLING AND HEATING | CONFIGURATION VIA USB PORT | DC INVERTER COMPRESSOR | COMPATIBLE WITH AIRZONE

SET MODEL			KHPMS-BI 14 PRO	KHPMS-BI 16 PRO	KHPMS-BI 14T PRO	KHPMS-BI 16T PRO
Power supply		V/ph/Hz	220-240/1/50	220-240/1/50	380-415/3/50	380-415/3/50
Outdoor unit			KHP-BI 14 DVR2	KHP-BI 16 DVR2	KHP-BI 14 DTR2	KHP-BI 16 DTR2
Indoor unit			KHPM-BI 16 DVR2	KHPM-BI 16 DVR2	KHPM-BI 16 DVR2	KHPM-BI 16 DVR2
Optional DHW			BSX270/475	BSX270/475	BSX270/475	BSX270/475
Recommended control			Integrated	Integrated	Integrated	Integrated
Outdoor unit	Heating capacity / COP (A7°C, W35°C)		14.5 / 4.7	16 / 4.5	14.5 / 4.7	16 / 4.5
	Heating capacity / COP (A7°C, W55°C)		13.8 / 3	16 / 2.9	13.8 / 3	16 / 2.9
	Heating capacity / COP (A-7°C, W35°C)		12 / 2.8	13.3 / 2.7	12 / 2.8	13.3 / 2.7
	Heating capacity / COP (A-7°C, W55°C)		11 / 2.05	12.5 / 2.02	11 / 2.05	12.5 / 2.02
	Cooling capacity / EER (A35°C, W18°C)		13.5 / 3.61	14.9 / 3.4	13.5 / 3.61	14.9 / 3.4
	Cooling capacity / EER (A35°C, W7°C)		12.7 / 2.55	14 / 2.45	12.7 / 2.55	14 / 2.45
	Average heating temperature (W35°C/ W55°C), Seasonal energy efficiency	ηs %	185.7 / 135.6	181.7 / 133.3	185.6 / 135.6	181.6 / 133.2
		SCOP	4.72 / 3.47	4.62 / 3.41	4.72 / 3.47	4.62 / 3.41
	Average heating temperature (W35°C/ W55°C), Energy class	From A+++ to D	A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++
	Warm heating temperature (W35°C/ W55°C), Seasonal energy efficiency	ηs %	260.3 / 176.5	248.5 / 176.1	259.8 / 176.4	248.1 / 175.9
		SCOP	6.58 / 4.45	6.29 / 4.48	6.57 / 4.44	6.28 / 4.47
	Warm heating temperature (W35°C/ W55°C), Energy class	From A+++ to D	A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++
	Cold heating temperature (W35°C/ W55°C), Seasonal energy efficiency	ηs %	159.6 / 118.9	157.8 / 121.8	159.6 / 118.9	157.8 / 121.8
		SCOP	4.07 / 3.05	4.02 / 3.12	4.07 / 3.05	4.02 / 3.12
	Cold heating temperature (W35°C/ W55°C), Energy class	From A+++ to D	A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++
	Efficiency SEER (W18°C)		6.9	6.75	6.85	6.71
	Efficiency SEER (W7°C)		4.86	4.69	4.83	4.67
	Width/height/depth	mm	1118 / 865 / 523	1118 / 865 / 523	1118 / 865 / 523	1118 / 865 / 523
	Net weight	kg	96	96	112	112
	Type refrigerant		R-32	R-32	R-32	R-32
	Refrigerant charge	kg	1.84	1.84	1.84	1.84
	Max. vertical distance with outdoor unit at the top	m	20	20	20	20
	Max. horizontal distance	m	30	30	30	30
	Pipe liquid/gas	inch	3/8" / 5/8"	3/8" / 5/8"	3/8" / 5/8"	3/8" / 5/8"
	Recommended wiring section, supply	mm²	3x6	3x6	5x2,5	5x2,5
	Recommended fuse, supply	A	D32	D32	D16	D16
	Max. intensity	A	30	30	14	14
Indoor unit	Electrical heater support	W	3000	3000	3000	3000
	Width/height/depth	mm	420 / 790 / 270	420 / 790 / 270	420 / 790 / 270	420 / 790 / 270
	Net weight	kg	39	39	39	39
Water outlet temperature	Heating min./max.	°C	25°C / 65°C	25°C / 65°C	25°C / 65°C	25°C / 65°C
	Cooling min./max.	°C	5°C / 25°C	5°C / 25°C	5°C / 25°C	5°C / 25°C
	DHW min./max.	°C	30°C / 60°C	30°C / 60°C	30°C / 60°C	30°C / 60°C
Working range	Outdoor temperature for cooling min./ max.	°C	-5°C / 43°C	-5°C / 43°C	-5°C / 43°C	-5°C / 43°C
	Outdoor temperature for heating min./ max.	°C	-25°C / 35°C	-25°C / 35°C	-25°C / 35°C	-25°C / 35°C
	Outdoor temperature for DHW min./ max.	°C	-25°C / 43°C	-25°C / 43°C	-25°C / 43°C	-25°C / 43°C

Supplementary charge: The initial charging is valid for the first 15 m (liquid line). For greater distances, a supplementary charge of 0.020 kg/m is required per each additional metre for models 4/6, and 0.038 kg/m per each additional metre for models 8/10/12/14/16.
(*): The power supply for indoor units is single-phase 220-240 V/1/50 Hz.

Combine Aquantia PRO with your PV facility!

The entire PRO range is capable of using energy from a photovoltaic system and storing energy during more favourable hours. In addition, thanks to the Smart Grid protocol, Aquantia uses data from the solar switchboard and smart electrical energy meter to save on bills without neglecting the user's thermal comfort.

Comprehensive projects

Our team of expert technicians carry out comprehensive air conditioning and ventilation projects specific to each client, adapting to any space and need. This service is complemented by personalised advice to ensure our facilities operate correctly.

KHPS-MO PRO

Aquantia Monobloc 100% hydraulic

The KHPS-MO PRO assembly is the **multi-task modular solution** from the Aquantia PRO range that provides thermal comfort for small and medium spaces. Thanks to the possibility of discharging water up to 65°C with an external temperature of 5°C (up to 60°C with KHPS-MO PRO HP), it can provide heating via **high-efficiency radiators, fancoils and underfloor heating, and accumulate domestic hot water at 60°C** (70°C with solar heating or elements). During summer it can cool via the same heating terminals*.

The new USB port allows the unit to be set in a few seconds and diagnostics to be performed in order to **minimise the start-up or maintenance time**. Thanks to its special design, the unit is **so silent** that it could be confused with the typical sounds of a natural setting when operating. The use of top-quality components (Wilo, Alfa-Laval, GMCC, among others) provides the KHPS-MO PRO with the **highest possible ratings under the ErP directive** and the ability to be considered as a renewable energy system. Its performance promotes energy saving, care of the planet and savings on bills.

The wired control included **allows the user to enjoy a pleasant, intuitive experience** capable of satisfying zoning needs of any nature. The possibility to control and monitor an installation using the Comfort Home app makes the user experience even more enjoyable and, above all, efficient.

Modular and money-saving!

The possibility of cascade setting without special control. The best solution for staggering the power delivered to holiday homes, the replacement of centralised systems and systems in second homes.

No need for certified refrigerator specialist status

100% water solution, perfect for professionals who are not certified to handle refrigerant gases, as for the outdoor unit of the KHPS-MO PRO assembly it is only necessary to connect the discharge and return for the hydraulic piping.

* The radiators are for the sole purpose of heating.

Product certified by: CN heat pump KEYMARK

R-32 REFRIGERANT | WiFi | SMART GRID READY | DOMESTIC HOT WATER | MODULAR | COOLING AND HEATING | CONFIGURATION VIA USB PORT | COMPATIBLE WITH AIRZONE

KCTAQ-02
Standard

SET MODEL			KHPS-MO 4 PRO	KHPS-MO 6 PRO	KHPS-MO 8 PRO	KHPS-MO 10 PRO	KHPS-MO 12 PRO
Power supply		V/ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
Outdoor unit			KHP-MO 4 DVR2	KHP-MO 6 DVR2	KHP-MO 8 DVR2	KHP-MO 10 DVR2	KHP-MO 12 DVR2
Optional DHW			BSX270	BSX270	BSX270/475	BSX270/475	BSX270/475
Recommended control			Wired; Included	Wired; Included	Wired; Included	Wired; Included	Wired; Included
Outdoor unit	Heating capacity / COP (A7°C, W35°C)		4.2 / 5.1	6.35 / 4.95	8.4 / 5.15	10 / 4.95	12.1 / 4.95
	Heating capacity / COP (A7°C, W55°C)		4.4 / 2.95	6 / 2.95	7.5 / 3.18	9.5 / 3.1	11.9 / 3.05
	Heating capacity / COP (A-7°C, W35°C)		4.7 / 3.1	6 / 3	7 / 3.2	8 / 3.05	10 / 3
	Heating capacity / COP (A-7°C, W55°C)		4 / 1.95	5.15 / 2	6.15 / 2.05	6.85 / 2	9.8 / 2.05
	Cooling capacity / EER (A35°C, W18°C)		4.5 / 5.5	6.5 / 4.8	8.3 / 5.05	9.9 / 4.55	12 / 3.95
	Cooling capacity / EER (A35°C, W7°C)		4.7 / 3.45	7 / 3	7.45 / 3.35	8.2 / 3.25	11.5 / 2.75
	Average heating temperature (W35°C/ W55°C), Seasonal energy efficiency	ηs %	191 / 129.5	195 / 137.9	205.6 / 131.6	204.8 / 135.7	189.4 / 135.1
		SCOP	4.85 / 3.31	4.95 / 3.52	5.22 / 3.37	5.2 / 3.47	4.81 / 3.45
	Average heating temperature (W35°C/ W55°C), Energy class	From A+++ to D	A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++
	Warm heating temperature (W35°C/ W55°C), Seasonal energy efficiency	ηs %	255.4 / 163.1	259.8 / 165.4	276.6 / 177.2	280.5 / 181.7	256.1 / 174.1
		SCOP	6.46 / 4.15	6.57 / 4.21	6.99 / 4.5	7.09 / 4.62	6.48 / 4.43
	Warm heating temperature (W35°C/ W55°C), Energy class	From A+++ to D	A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++
	Cold heating temperature (W35°C/ W55°C), Seasonal energy efficiency	ηs %	159.5 / 102.1	165.3 / 111.1	170 / 112.1	169.8 / 116.5	160.2 / 117.8
		SCOP	4.06 / 2.63	4.21 / 2.85	4.33 / 2.88	4.32 / 2.99	4.08 / 3.02
	Cold heating temperature (W35°C/ W55°C), Energy class	From A+++ to D	A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++
	Efficiency SEER (W18°C)		7.77	8.21	8.95	8.78	7.1
	Efficiency SEER (W7°C)		4.99	5.34	5.83	5.98	4.89
	Width/height/depth	mm	1295 / 792 / 429	1295 / 792 / 429	1385 / 945 / 526	1385 / 945 / 526	1385 / 945 / 526
	Net weight	kg	86	86	132	132	155
	Type refrigerant		R-32	R-32	R-32	R-32	R-32
	Refrigerant charge	kg	1.4	1.4	1.4	1.4	1.75
	Water pump pressure	mH_2O	9	9	9	9	9
	Water pipe connections	inch	1"	1"	1 1/4"	1 1/4"	1 1/4"
	Electrical heater support	W	3000	3000	3000	3000	3000
	Recommended wiring section, supply	mm^2	3x6	3x6	3x6	3x6	3x10
	Recommended fuse, supply	A	D32	D32	D32	D32	D45
	Max. intensity	A	31	31	32	32	43
Water outlet temperature	Heating min./max.	°C	25°C / 65°C	25°C / 65°C	25°C / 65°C	25°C / 65°C	25°C / 65°C
	Cooling min./max.	°C	5°C / 25°C	5°C / 25°C	5°C / 25°C	5°C / 25°C	5°C / 25°C
	DHW min./max.	°C	40°C / 60°C	40°C / 60°C	40°C / 60°C	40°C / 60°C	40°C / 60°C
Working range	Outdoor temperature for cooling min./ max.	°C	-5°C / 43°C	-5°C / 43°C	-5°C / 43°C	-5°C / 43°C	-5°C / 43°C
	Outdoor temperature for heating min./ max.	°C	-25°C / 35°C	-25°C / 35°C	-25°C / 35°C	-25°C / 35°C	-25°C / 35°C
	Outdoor temperature for DHW min./ max.	°C	-25°C / 43°C	-25°C / 43°C	-25°C / 43°C	-25°C / 43°C	-25°C / 43°C

KHPS-MO PRO

Aquantia Monobloc 100% hydraulic

Product certified by: CN heat pump KEYMARK

R-32 REFRIGERANT | WiFi | SMART GRID READY | DOMESTIC HOT WATER | MODULAR | COOLING AND HEATING | CONFIGURATION VIA USB PORT | COMPATIBLE WITH AIRZONE

KCTAQ-02
Standard

SET MODEL			KHPS-MO 14 PRO	KHPS-MO 16 PRO	KHPS-MO 12T PRO	KHPS-MO 14T PRO	KHPS-MO 16T PRO
Power supply		V/ph/Hz	220-240/1/50	220-240/1/50	380-415/3/50	380-415/3/50	380-415/3/50
Outdoor unit			KHP-MO 14 DVR2	KHP-MO 16 DVR2	KHP-MO 12 DTR2	KHP-MO 14 DTR2	KHP-MO 16 DTR2
Optional DHW			BSX270/475	BSX270/475	BSX270/475	BSX270/475	BSX270/475
Recommended control			Wired; Included	Wired; Included	Wired; Included	Wired; Included	Wired; Included
Outdoor unit	Heating capacity / COP (A7°C, W35°C)		14.5 / 4.6	15.9 / 4.5	12.1 / 4.95	14.5 / 4.6	15.9 / 4.5
	Heating capacity / COP (A7°C, W55°C)		13.8 / 2.95	16 / 2.85	11.9 / 3.05	13.8 / 2.95	16 / 2.85
	Heating capacity / COP (A-7°C, W35°C)		12 / 2.85	13.1 / 2.7	10 / 3	12 / 2.85	13.1 / 2.7
	Heating capacity / COP (A-7°C, W55°C)		11 / 2.05	12 / 2	9.8 / 2.05	11 / 2.05	12.5 / 2
	Cooling capacity / EER (A35°C, W18°C)		13.5 / 3.61	14.9 / 3.4	12 / 3.95	13.5 / 3.61	14.9 / 3.4
	Cooling capacity / EER (A35°C, W7°C)		12.4 / 2.5	14 / 2.5	11.5 / 2.75	12.4 / 2.5	14 / 2.5
	Average heating temperature (W35°C/ W55°C), Seasonal energy efficiency	ηs %	185.7 / 135.6	181.7 / 133.3	189.4 / 135.1	185.6 / 135.6	181.6 / 133.2
		SCOP	4.72 / 3.47	4.62 / 3.41	4.81 / 3.45	4.72 / 3.47	4.62 / 3.41
	Average heating temperature (W35°C/ W55°C), Energy class	From A+++ to D	A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++
	Warm heating temperature (W35°C/ W55°C), Seasonal energy efficiency	ηs %	260.3 / 176.5	248.5 / 176.1	255.6 / 173.8	259.8 / 176.4	248.1 / 175.9
		SCOP	6.58 / 4.45	6.29 / 4.48	6.47 / 4.42	6.57 / 4.44	6.28 / 4.47
	Warm heating temperature (W35°C/ W55°C), Energy class	From A+++ to D	A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++
	Cold heating temperature (W35°C/ W55°C), Seasonal energy efficiency	ηs %	159.6 / 118.9	157.8 / 121.8	160.2 / 117.7	159.6 / 118.9	157.8 / 121.8
		SCOP	4.07 / 3.05	4.02 / 3.12	4.08 / 3.02	4.07 / 3.05	4.02 / 3.12
	Cold heating temperature (W35°C/ W55°C), Energy class	From A+++ to D	A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++
	Efficiency SEER (W18°C)		6.9	6.75	7.04	6.85	6.71
	Efficiency SEER (W7°C)		4.86	4.69	4.86	4.83	4.67
	Width/height/depth	mm	1385 / 945 / 526	1385 / 945 / 526	1385 / 945 / 526	1385 / 945 / 526	1385 / 945 / 526
	Net weight	kg	155	155	172	172	172
	Type refrigerant		R-32	R-32	R-32	R-32	R-32
	Refrigerant charge	kg	1.75	1.75	1.75	1.75	1.75
	Water pump pressure	mH_2O	9	9	9	9	9
	Water pipe connections	inch	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"
	Electrical heater support	W	3000	3000	Adjustable 9000/6000/3000	Adjustable 9000/6000/3000	Adjustable 9000/6000/3000
	Recommended wiring section, supply	mm²	3x10	3x10	5x6	5x6	5x6
	Recommended fuse, supply	A	D45	D45	D32	D32	D32
	Max. intensity	A	43	43	27	27	27
Water outlet temperature	Heating min./max.	°C	25°C / 65°C	25°C / 65°C	25°C / 65°C	25°C / 65°C	25°C / 65°C
	Cooling min./max.	°C	5°C / 25°C	5°C / 25°C	5°C / 25°C	5°C / 25°C	5°C / 25°C
	DHW min./max.	°C	40°C / 60°C	40°C / 60°C	40°C / 60°C	40°C / 60°C	40°C / 60°C
Working range	Outdoor temperature for cooling min./max.	°C	-5°C / 43°C	-5°C / 43°C	-5°C / 43°C	-5°C / 43°C	-5°C / 43°C
	Outdoor temperature for heating min./max.	°C	-25°C / 35°C	-25°C / 35°C	-25°C / 35°C	-25°C / 35°C	-25°C / 35°C
	Outdoor temperature for DHW min./max.	°C	-25°C / 43°C	-25°C / 43°C	-25°C / 43°C	-25°C / 43°C	-25°C / 43°C

frigicoll

KHPS-MO PRO HP

Aquantia Monobloc High-power 100% hydraulic

Product certified by: CN heat pump KEYMARK

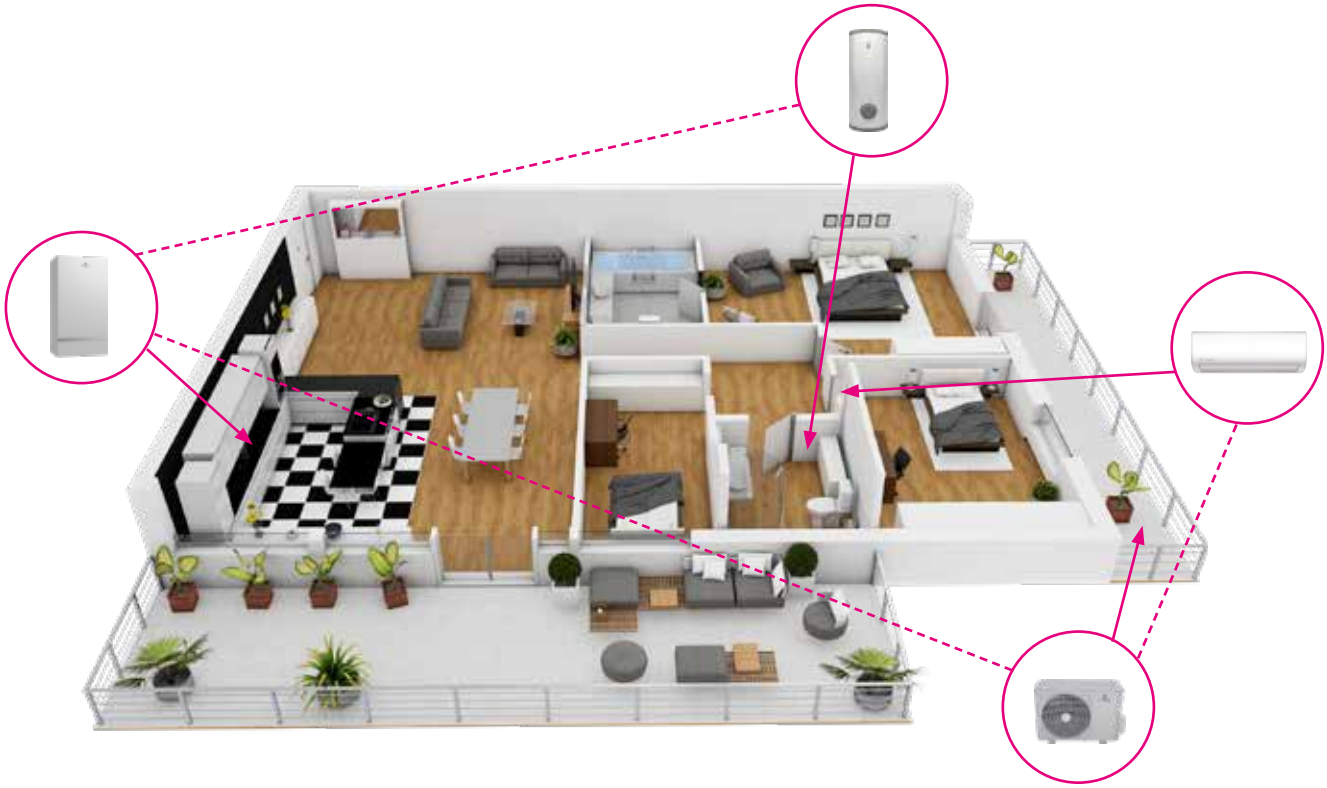
R-32 REFRIGERANT | WiFi | SMART GRID READY | DOMESTIC HOT WATER | MODULAR | COOLING AND HEATING | CONFIGURATION VIA USB PORT | COMPATIBLE WITH AIRZONE

KCTAQ-02
Standard

SET MODEL			KHPS-MO 18 PRO HP	KHPS-MO 22 PRO HP	KHPS-MO 26 PRO HP	KHPS-MO 30 PRO HP
Power supply		V/ph/Hz	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50
Outdoor unit			KHP-MO 18 DTR2	KHP-MO 22 DTR2	KHP-MO 26 DTR2	KHP-MO 30 DTR2
Recommended control			Wired; Included	Wired; Included	Wired; Included	Wired; Included
Outdoor unit	Heating capacity / COP (A7°C, W35°C)		18 / 4.7	22 / 4.4	26 / 4.08	30.1 / 3.91
	Heating capacity / COP (A7°C, W55°C)		18 / 2.75	22 / 2.65	26 / 2.45	30 / 2.3
	Heating capacity / COP (A-7°C, W35°C)		18 / 2.7	21 / 2.6	22 / 2.5	23 / 2.45
	Heating capacity / COP (A-7°C, W55°C)		Consult / Consult	19.8 / 1.74	20.6 / 1.69	20.1 / 1.63
	Cooling capacity / EER (A35°C, W18°C)		17 / 3.05	23 / 4.6	27 / 4.3	31 / 4
	Cooling capacity / EER (A35°C, W7°C)		18.5 / 4.75	21 / 2.95	26 / 2.7	29.5 / 2.55
	Average heating temperature (W35°C/ W55°C), Seasonal energy efficiency	ηs %	181 / 125	178 / 126	177 / 123	165 / 123
		SCOP	1.92 / 1.7	4.53 / 3.23	4.5 / 3.15	4.2 / 3.15
	Average heating temperature (W35°C/ W55°C), Energy class	From A+++ to D	A+++ / A++	A+++ / A++	A+++ / A+	A++ / A+
	Warm heating temperature (W35°C/ W55°C), Seasonal energy efficiency	ηs %	226 / 157	234 / 161	231 / 168	213 / 163
		SCOP	2.10 / 1.83	5.93 / 4.1	5.85 / 4.28	5.4 / 4.15
	Warm heating temperature (W35°C/ W55°C), Energy class	From A+++ to D	A+++ / A++	A+++ / A++	A+++ / A+	A++ / A+
	Cold heating temperature (W35°C/ W55°C), Seasonal energy efficiency	ηs %	146 / 97	146 / 102	143 / 101	138 / 100
		SCOP	1.78 / 1.59	3.73 / 2.63	3.65 / 2.6	3.53 / 2.58
	Cold heating temperature (W35°C/ W55°C), Energy class	From A+++ to D	A+++ / A++	A+++ / A++	A+++ / A+	A++ / A+
	Efficiency SEER (W18°C)		5.48	5.67	5.88	5.71
	Efficiency SEER (W7°C)		4.7	4.7	4.66	4.49
	Width/height/depth	mm	1129 / 1558 / 440	1129 / 1558 / 440	1129 / 1558 / 440	1129 / 1558 / 440
	Net weight	kg	177	177	177	177
	Type refrigerant		R-32	R-32	R-32	R-32
	Refrigerant charge	kg	5	5	5	5
	Water pump pressure	mH_2O	12 (max)	12 (max)	12 (max)	12 (max)
	Water pipe connections	inch	1 1/4"	1 1/4"	1 1/4"	1 1/4"
	Sound pressure	dB(A)	55	58	60	62
	Electrical heater support	W	Not included	Not included	Not included	Not included
	Recommended wiring section, supply	mm²	5x6	5x6	5x6	5x6
	Recommended fuse, supply	A	D25	D25	D25	D32
	Max. intensity	A	18	21	24	28
Water outlet temperature	Heating min./max.	°C	25°C / 60°C	25°C / 60°C	25°C / 60°C	25°C / 60°C
	Cooling min./max.	°C	5°C / 25°C	5°C / 25°C	5°C / 25°C	5°C / 25°C
	DHW min./max.	°C	40°C / 60°C	40°C / 60°C	40°C / 60°C	40°C / 60°C
Working range	Outdoor temperature for cooling min./ max.	°C	-5°C / 46°C	-5°C / 46°C	-5°C / 46°C	-5°C / 46°C
	Outdoor temperature for heating min./ max.	°C	-25°C / 35°C	-25°C / 35°C	-25°C / 35°C	-25°C / 35°C
	Outdoor temperature for DHW min./ max.	°C	-25°C / 43°C	-25°C / 43°C	-25°C / 43°C	-25°C / 43°C

KHHP-BI

Solution with multi-hybrid system



KHHP-BI is the Kaysun hybrid solution, which takes advantage of the **immediacy and stability of an air-air system, in combination with the incomparable efficiency and thermal comfort of an air-water system**. With a single outdoor unit from the R-32 Multisystem range, it is possible to provide homes of any type with greater thermal comfort throughout the year. KHHP-BI cools any indoor environment, even during the hottest of summers, thanks to a maximum of 3 indoor units with a combined power of up to 10.5 kW. In the same way, this solution generates heat even in the coldest of winters, thanks to the hydraulic wall kit, which **can supply any type of low or medium-temperature terminal with hot water**.

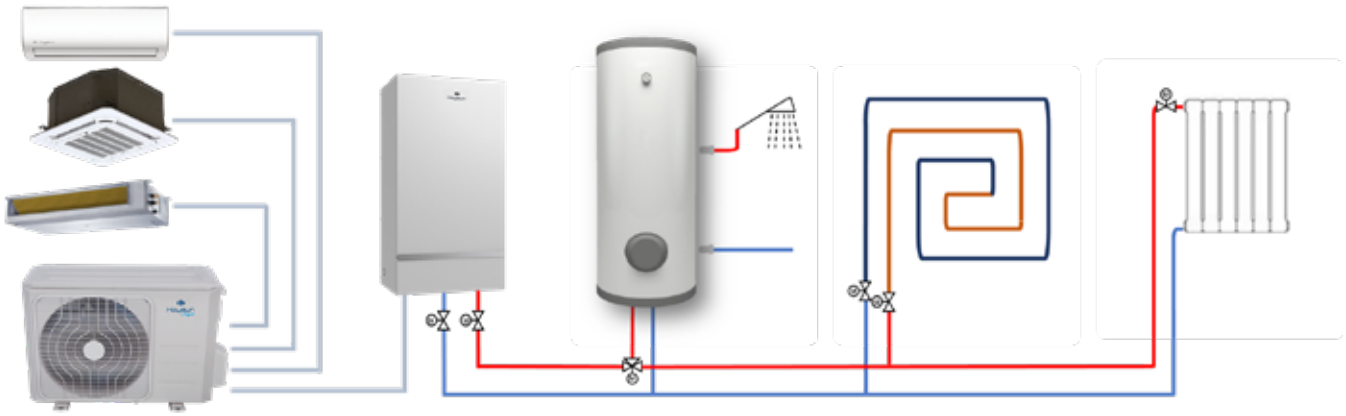
If domestic hot water is required, **KHHB-BI can also be combined with tanks and accumulate water up to 55°C**. In relation to a conventional air-water system, the KHHP-BI installation can end up more affordable, as it is usually faster. Enjoy the versatility and precision of the most innovative solution from our range!

Customised

All you have to do is select the type of direct expansion indoor unit that best fits one's needs. Our pre-sales service will help you make your choice.

Faster installation

Save money thanks to fast direct expansion installation, which, thanks to R-32, achieves savings of up to 30% charge with respect to R-410A, in addition to reducing GWP by 70%.



R-32 REFRIGERANT | WiFi | DOMESTIC HOT WATER | COOLING AND HEATING | GOLDEN FIN | DC INVERTER COMPRESSOR

HYDRAULIC KIT WALL-MOUNTED AIR-WATER			KHHP-BI
Power supply		V/ph/Hz	220-240/1/50
Outdoor unit	Heating capacity / COP (A7°C, W35°C)		8 / 4.4
	Heating capacity / COP (A7°C, W55°C)		8 / 2.4
	Heating capacity / COP (A-7°C, W35°C)		7.9 / 2.5
	Heating capacity / COP (A-7°C, W55°C)		7 / 1.6
	Efficiency, SCOP average climate outlet 35°C		4,26 - A++
	Efficiency, SCOP average climate outlet 55°C		2,93 - A+
	Pipe liquid/gas	inch	4x 1/4" / 3x 3/8" + 1x 1/2"
Indoor unit	Sound pressure rated	dB(A)	32
	Electrical heater support	W	3100
	Width/height/depth	mm	918 / 325 / 490
	Net weight	kg	56
Water outlet temperature	Heating min./max.	°C	25°C / 60°C
	DHW min./max.	°C	35°C / 55°C
Working range	Outdoor temperature for heating min./max.	°C	-20°C / 24°C
	Outdoor temperature for DHW min./max.	°C	-20°C / 43°C

One unit	Two units	Three units		Four units		
7	7+KHHP-BI	7+7+KHHP-BI	9+12+KHHP-BI	7+7+7+KHHP-BI	7+9+12+KHHP-BI	9+12+12+KHHP-BI
9	9+KHHP-BI	7+9+KHHP-BI	9+18+KHHP-BI	7+7+9+KHHP-BI	7+9+18+KHHP-BI	9+12+18+KHHP-BI
12	12+KHHP-BI	7+12+KHHP-BI	12+12+KHHP-BI	7+7+12+KHHP-BI	9+9+9+KHHP-BI	12+12+12+KHHP-BI
18	18+KHHP-BI	7+18+KHHP-BI	12+18+KHHP-BI	7+7+18+KHHP-BI	9+9+12+KHHP-BI	12+12+18+KHHP-BI
KHHP-BI		9+9+KHHP-BI	18+18+KHHP-BI	7+9+9+KHHP-BI	9+9+18+KHHP-BI	

FlexFit unit is only compatible with the multi outdoor unit M4OB-36HFN8-Q

For further information regarding the combinations and models compatible with the DX indoor units, see the technical specifications on the Kaysun.es web page.
All components must be ordered separately.

COMPAK

DHW Heat Pumps

Compak heat pumps for sustainable domestic hot water **are the ideal solution to environments where climate control needs are already covered**. Its degree of efficiency means it is considered a renewable energy system and **meets current regulations.**Its "Plug & Play" installation could not be easier, and the ability to channel suction/discharge of air increases the range of possibilities regarding its application.

Choosing the Combo means taking care of the planet and reducing the emission of greenhouse gases, **a saving of up to 45% on bills*** and you can even avoid costs associated with the gas bill and dangers associated with the fuel/gas itself. **The equipment can operate with extreme outdoor temperatures without the need for electrical elements**, which will be used only if necessary to provide immediacy.

Desinfection mode

The Compak has an anti-legionnaires disinfection mode, achieving up to 70°C. By default, it runs once per week.

Integration with renewable energies

The solar Compak versions can use energy from a solar thermal installation in order to achieve even greater levels of efficiency.

* With respect to an electric boiler of class B or lower.

Product certified by: CN heat pump KEYMARK

R-134A REFRIGERANT | THERMAL SOLAR SUPPORT | ECO MODE | DOMESTIC HOT WATER

					With solar coil	
MODEL			**KHP 15/190 ACS1**	**KHP 35/300 ACS1**	**KHPA2 16 190S**	**KHPA2 23 300S**
Power supply		**V/ph/Hz**	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
Outdoor temperature 15/12°C (dry bulb/wet bulb) water inlet/ outlet 15/45°C	**Heating capacity**	**kW**	1.45	3	1.62	2.3
	COP		3.8	3.83	3.86	4.34
Electrical heater	**Standard support**	**kW**	3	3	3	3
SCOPdhw (EN 16147:2017)			2.97	3.21	3.13	3.59
Air intake & outlet	**Diameter**	**mm**	160	190	160	190
	Useful static pressure	**Pa**	25	25	25	45
	Max. length	**m**	≤ 10	≤ 10	≤ 10	≤ 10
	Outdoor air flow	**m³/h**	182/230/270	312/355/414	270	414
Hydraulic system	**Water pipe connections inlet/outlet water**	**inch**	3/4"	3/4"	3/4"	3/4"
	Water pipe connections inlet/outlet solar	**inch**			3/4"	3/4"
Working range	**Temperature DHW max.**	**°C**	65°C	65°C	65°C	65°C
	Temperature DHW max. disinfect mode	**°C**	70°C	70°C	70°C	70°C
Indoor unit	**Sound pressure rated**	**dB(A)**	41	45	36.6	38.2
	Sound power level	**dB(A)**	56	56	51	53
	Height/diameter	**mm**	1760 / 560	1920 / 650	1830 / 552	1930 / 657
	Capacity	**l**	180	280	168	272
	Compressor type		Rotary	Rotary	Rotary	Rotary
	Tank material		Enamelled steel	Enamelled steel	Enamelled steel	Enamelled steel
	Insulating material and thickness		Expanded polyurethane	Expanded polyurethane	Expanded polyurethane	Expanded polyurethane
	Heat coil material		Copper	Copper	Aluminium	Aluminium
	Heat coil max. working pressure	**MPa**	1	1	1	1
Refrigerant	**Type refrigerant**		R-134A	R-134A	R-134A	R-134A
	Refrigerant charge	**kg**	1.1	1.5	1.1	1.5
Integration	**Solar heat coil surface**	**m²**			1.1	1.3
	Solar heat coil material	**EN**			Enamelled steel	Enamelled steel
	Max. working pressure	**MPa**			1	1
					Solar models include Modbus, WiFi and Smart Grid	

Sound pressure: Sound pressure calculated at 1 m from the equipment.

DOMESTIC HOT WATER TANKS

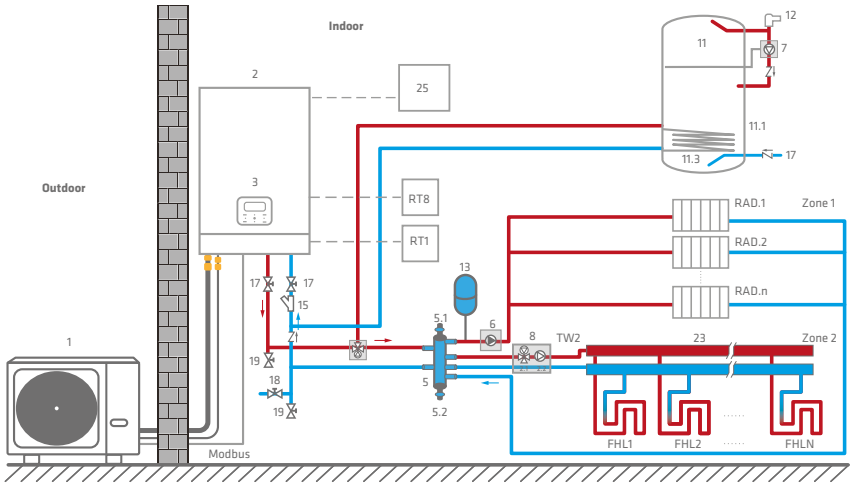
DOMESTIC HOT WATER

MODEL			BSX270	BSX475
Indoor unit	Height/diameter	mm	1209 / 700	1800 / 750
	Net weight	kg	136	212
	Capacity	l	270	475
	Cleaning cap	mm	280	280
	Tank protection layer		Steel	Steel
	Inner coating		Coat of enamel	Coat of enamel
	Exterior finish		Galvanized steel with electrostatic coating with powdered paint	Galvanized steel with electrostatic coating with powdered paint
	Casing colour		White	White
	Plugs and exterior cap material		Black plastic	Black plastic
	Insulating material and thickness		Injected polyurethane foam; 50 mm	Injected polyurethane foam; 50 mm
	Input of sensors for automatic control of unit		3x (Ø13x100 mm)	3x (Ø13x100 mm)
	Operating pressure	bar	10	10
	Test pressure	bar	13	13
	Temperature indicator		Analog thermometer	Analog thermometer
	Anti-corrosive protection		Magnesium anode rod and tester	Magnesium anode rod and tester
	Heat exchanger type		Heat coil	Heat coil
	Heat coil input diameter	inch	1 1/4"	1 1/4"
	Heat coil surface	m²	2.5	3.1
	Cold water inlet	inch	1"	1"
	Heat water outlet	inch	1"	1"

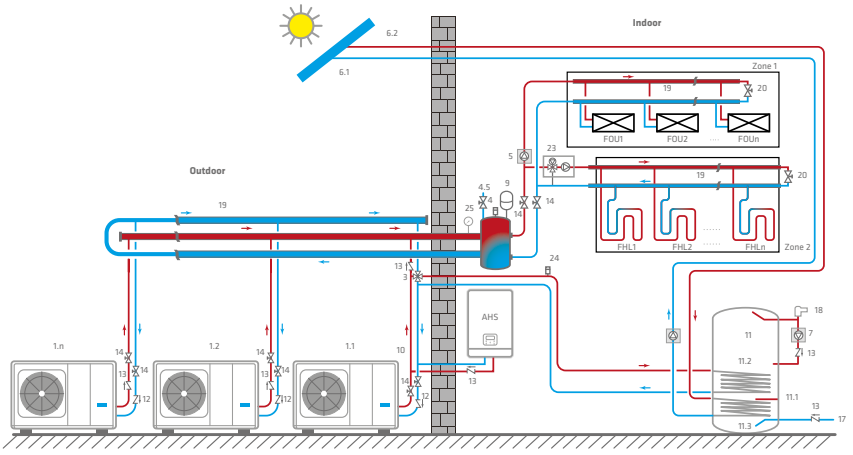
AQUANTIA ACCESSORIES	MODEL
Additional water pump	Pump 6 mH_2O
	Pump 7.5 mH_2O
DHW tank element	RT2
Buffer tank/hydraulic shut-off nozzle (20, 30, 40, 50 l) for ceiling or wall fitting	20 AR-S
	30 AR-S
	40 AR-S
	50 AR-A
Buffer tank/hydraulic shut-off nozzle (100 l) for floor installation	100 AR-A
Buffer tank/hydraulic shut-off nozzle accessory	KIT SOPORTE
	PURGADOR PARA FALSO TECHO
Expansion vessels - primary (8, 12, 18 l)	HWB8LX
	HWB12LX
	HWB18LX
Expansion vessel support	BR3 UNIV
2-zone high temperature kit	KIRE2HX
2-zone high/low temperature kit	KIRE2HLX
Temperature probe for additional heat source (boilers, heaters, etc.) or zones	Sonda T1B + cable
Multi-thermostat kit (up to 8 max. thermostats)	M-Kit

For the BSX475 tank, the installation of a 3-4 kW element is recommended, which should be supplied by the installer in the event that it is required.

Installation Diagrams

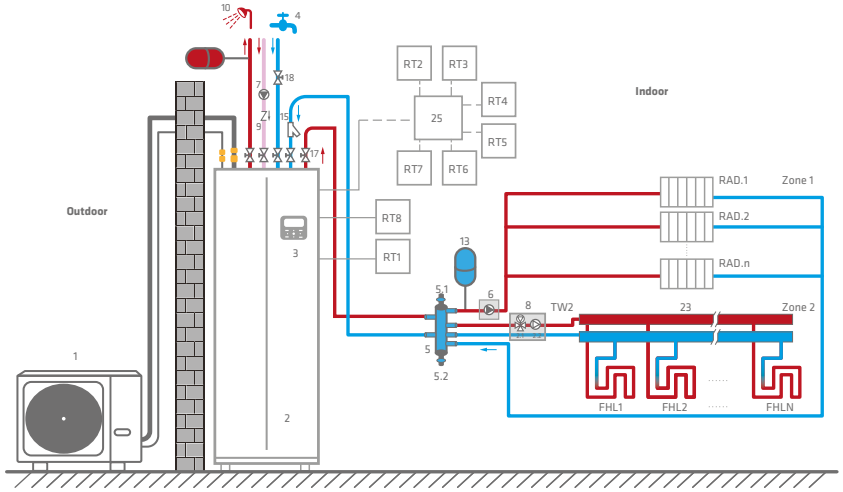


Code	Assembly unit
1	Outdoor Unit
2	Indoor Unit
3	User Interface
5	Balance tank (Field supply)
5.1	Automatic air purge valve
5.2	Drainage valve
6	P_o: zone 1 circulation pump (Field supply)
7	DHW recirculation pump (field supply)
8	Mixing station (Field supply)
8.1	SV3: Mixing vlave (Field Supply)
8.2	P_c: zone 2 circulation pump
11	DHW tank
11.3	Condenser
12	Consumption
13	Expansion vessel (Field supply)
15	Filter (Accessory)
17	Tap water inlet pipe (field supply)
18	Filling valve (field supply)
19	Drainage vlave (Field supply)
23	Collection/distributor (Field Supply)
25	Thermostat transfer board (optional)
RT 1...7	Low voltage room thermostat (Field Supply)
RT8	High voltage room thermostat (Field Supply)
TW2	Zone 2 water flow temperature sensor (optional)
FHL 1 ...n	Floor heating loop (field supply)
RAD.1...n	Radiator (Field supply)



Up to 6 units. It's not possible to mix KHPS-MO PRO and KHPS-MO HP PRO in the same cascade installation.

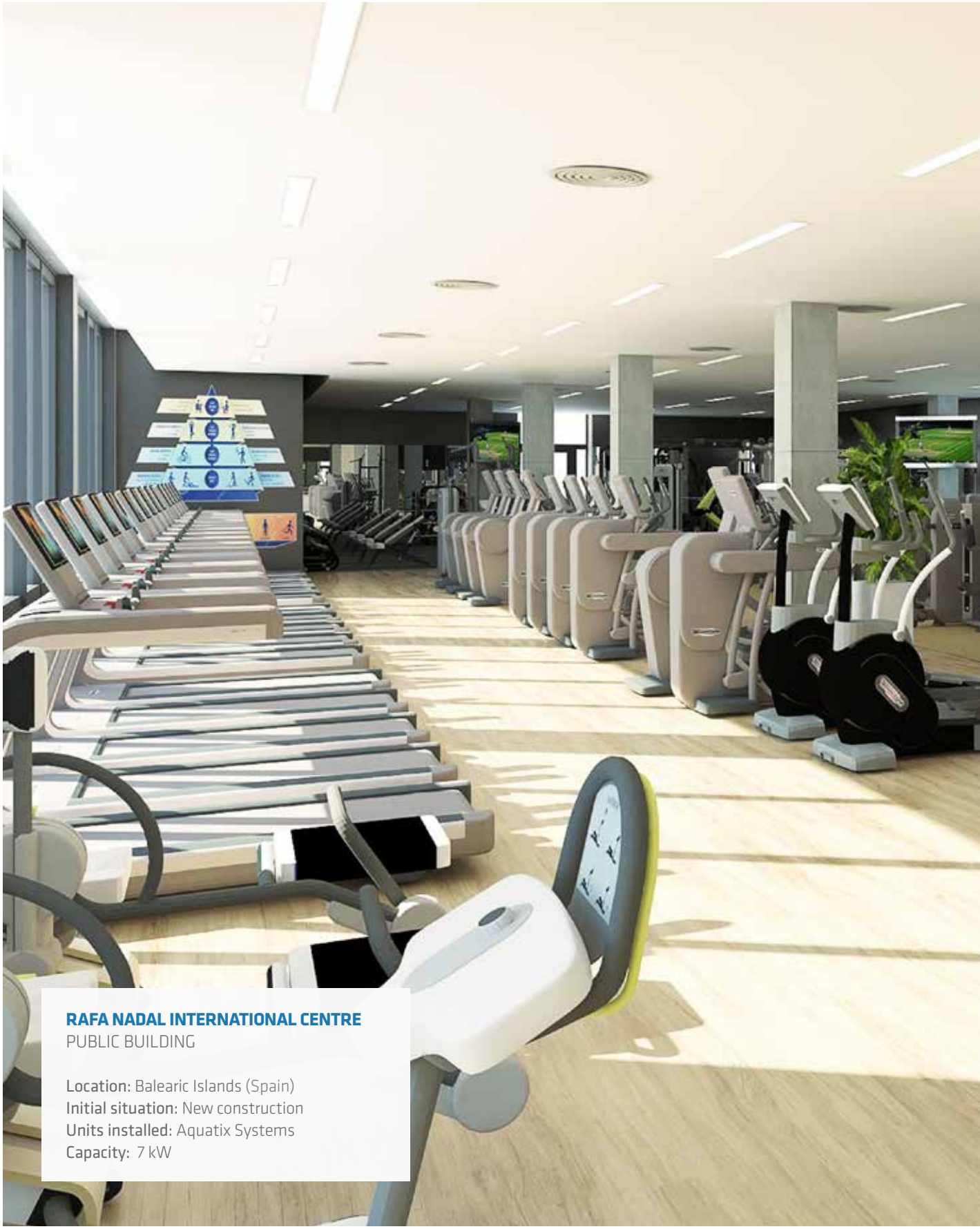
Code	Assembly unit
1.1	Master unit
1.2...n	Slave unit
3	SV1:3-way valve (Field supply)
4	Balance tank (Field supply)
4.1	Automatic bleed valve
4.2	Drainage valve
4.3	Tbt1: Balance tank upper temperature sensor (optional)
4.4	Tbt2: Balance tank lower temperature sensor (optional)
4.5	Filing valve
5	P_O: Outside circulation pump (Field supply)
6.1	Tsolar: Solar temperature sensor (Optional)
6.2	Solar Panel
7	P_D: DHW pipe pump (Field supply)
9	Espansion vessel (Field supply)
10	T1: Total water flow temperature sensor (Optional)
11	Domestic water tank (field supply)
11.1	TBH: Domestic water tank heater
11.2	Coin 1, heat exchanger for heat pump
11.3	Coin 2, heat exchanger for solar energy
12	Filter (Accessory)
13	Check value (Field supply)
14	Shut-off valve (Field supply)
17	Tap water inlet pipe (Field supply)
18	Hot water tap (Field supply)
19	Collector/distributor (Field supply)
20	Bypass valve (Field supply)
23	Mixing station (Field supply)
24	Automatic bleed valve (Field supply)
25	Water manometer (Field supply)
FHL1...n	Floor heating loop (Field supply)
ZONE1	The space operate cooling or heating mode
ZONE2	The space only operate heating mode
AHS	Auxiliary heat source (Field supply)



Code	Assembly unit
1	Outdoor Unit
2	Indoor Unit
3	User Interface
4	Tap water - inlet pipe (Field supply)
5	Balance tank (Field supply)
5.1	Automatic air purge valve
5.2	Drainage valve
6	P_o: zone 1 circulation pump (Field supply)
7	DHW pump - inlet pipe (Field supply)
8	Mixing station (Field supply)
8.1	SV3: Mixing vlave (Field Supply)
8.2	P_c: zone 2 circulation pump
9	Check valve (Field supply)
10	DHW production - outlet pipe (Field supply)
13	Expansion vessel (Field supply)
15	Filter (Accessory)
17	Shut-off valve (Field supply)
18	Safety valve (Field supply)
23	Collection/distributor (Field Supply)
25	Multi thermostat board (optional)
RT 1...7	Low voltage room thermostat (Field Supply)
RT8	High voltage room thermostat (Field Supply)
TW2	Zone 2 water flow temperature sensor (optional)
FHL 1 ...n	Floor heating loop (field supply)
RAD.1...n	Radiator (Field supply)

This installation diagrams are simplified versions, for more diagrams or further information please visit our web and check Aquatix Range manual or contact our presales department.

REFERENCES. KEY INSTALLATIONS



RAFA NADAL INTERNATIONAL CENTRE
PUBLIC BUILDING

Location: Balearic Islands (Spain)
Initial situation: New construction
Units installed: Aquatix Systems
Capacity: 7 kW

REFERENCES. KEY INSTALLATIONS

AQUATIX is a more sustainable solution than the traditional hot water boiler, with better energy efficiency and a quicker and more simple installation process. Energy savings and efficiency set this range apart.

INSTITUTION ST. LOUIS
SCHOOL

Location: France
Initial situation: Renovation
Units installed: KHP 72 ACS + G1
Capacity: 6.5 kW

FRIGICOLL
CENTRAL OFFICES

Location: Sant Just Desvern (Barcelona, Spain)
Initial situation: New construction
Units installed: Aquantia
Capacity: 6 kW

RUBER HOSPITAL
PUBLIC BUILDING

Location: Madrid (Spain)
Initial situation: Renovation
Units installed: AIR-WATER
Capacity: 130 kW

ITEVE
BUSINESS CENTRE

Location: Badajoz (Extremadura, Spain)
Initial situation: Renovation
Units installed: Compak KHP
Capacity: 245 kW

QUIRÓN HOSPITAL
PUBLIC BUILDING

Location: Torrevieja (Spain)
Initial situation: New construction
Units installed: AIR-WATER
Capacity: 65 kW

ON HOTELS OCEANFRONT
HOTEL

Location: Matalascañas (Spain)
Initial situation: Renovation
Units installed: 2 KHP 420 ACS1
Capacity: 80 kW

JARDINES DE LORCA
HOTEL

Location: Murcia (Spain)
Initial situation: New construction
Units installed: AIR-WATER
Capacity: 260 kW

SYNERGYM
GYM

Location: GYM (Spain)
Initial situation: Renovation
Units installed: 5 KHP 35 300 ACS1
Capacity: 18 kW

ZEN
Commercial Range

ZEN

Commercial Range

ZEN
Commercial Range

DUCTS

Ducted units provide the Kaysun Zen range with its most flexible solution. With a wide range of features as standard and highly versatile installation, they could be the answer to your needs.

R-32 REFRIGERANT · ON/OFF CONTACT · SMART HOME · FRESH AIR SUPPLY · DRAINAGE PUMP · AIR INTAKE · HERTZ · COMPATIBLE WITH AIRZONE

Power kW: 3.5 | 5.2 | 7.1 | 9 | 10.5 | 12.5 | 14 | 16

HIGH CAPACITY FRONT AIR DISCHARGE

High capacity ducting has been designed to provide maximum performance with large airflows.

R-410A REFRIGERANT · DC INVERTER COMPRESSOR · DC INVERTER EXTERNAL FAN · COMPATIBLE WITH AIRZONE

Power kW: 24.2 | 28

CASSETTE 600x600

600x600 cassette, with 360° air outlet. An elegant, compact solution with standard dimensions, in order to be integrated on any ceiling.

R-32 REFRIGERANT · AIR OUTLET 360° · ON/OFF CONTACT · SMART HOME · DRAINAGE PUMP · HERTZ · COMPACT · COMPATIBLE WITH AIRZONE

Power kW: 3.5 | 5.2

SUPERSLIM CASSETTE 840x840

840x840 cassette with reduced height, equipped with a 360° panel for better air diffusion.

R-32 REFRIGERANT · AIR OUTLET 360° · ON/OFF CONTACT · SMART HOME · FRESH AIR SUPPLY · HERTZ · SUPERSLIM · COMPATIBLE WITH AIRZONE

Power kW: 7.1 | 9 | 10.5 | 12.5 | 14 | 16

FLOOR / CEILING

Compact, state-of-the-art design which can be adapted to every room environment. A simple but, at the same time, extremely versatile unit.

R-32 REFRIGERANT · ON/OFF CONTACT · CONDENSATION CONTROL · SMART HOME · HERTZ · DC INVERTER COMPRESSOR · DC INVERTER INTERNAL FAN · COMPATIBLE WITH AIRZONE

Power kW: 5.2 · 7.1 · 10.5 · 14 · 16

AHUKZ LCAC

Through the AHUKZ control box for Current Loop units in the Zen range, it is possible to easily control any R-32 direct expansion coil on the market.

R-32 REFRIGERANT

Power kW: 3.5 to 16

➔ OUTDOOR UNITS

AXIAL

The axial outdoor units are machines designed to facilitate maintenance, their main components are protected and they need very little space for installation.

R-32 REFRIGERANT · ON/OFF CONTACT · SMART HOME · FRESH AIR SUPPLY · DRAINAGE PUMP · AIR INTAKE · HERTZ · COMPATIBLE WITH AIRZONE

Power kW: 3.5 · 5.2 · 7.1 · 9 · 10.5 · 12.5 · 14 · 16 · 24.2 · 28

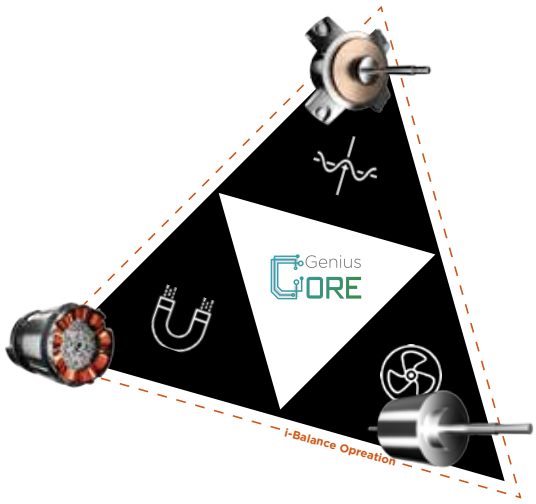
ZEN. Commercial Range

The Kaysun R-32 commercial range includes axial outdoor units, in addition to several types of indoor units. The Kaysun outdoor units are compact, robust machines that require little space for installation. They can be used with up to 75 metres of refrigerant piping and a height difference of 30 metres, in accordance with capacity.

→ Full DC Inverter

The exclusive Kaysun GENIUS CORE algorithm provides the system with complete stability. Using the Alpha chip, the compressor, PWM module and DC motors in the unit work in an optimum way, adapting to the real demand and preventing losses of energy.

The dynamic adjustment of the electrical power guarantees constant equilibrium for the system, meaning the Kaysun units maintain powerful, efficient, stable performance even when operating for long periods.



WiFi

It is possible to control Kaysun units via a tablet or smartphone as an option. The units can be managed remotely and they even have a weekly programmer.

Twins

Within the range it is possible to install TWIN-type units, meaning the installation of two indoor units which provide greater distribution of air while improving climate control, in conjunction with a single outdoor unit.

Kaysun technology, leading technology

➔ Bionic fan

Based on natural shapes and bionic principles, the design of the fan blades effectively reduces both noise and airflow resistance. In conjunction with optimised air ducting, it provides the same volume of airflow while consuming 30% less energy.

➔ V-PAM (Vector + I-PAM) Inverter Control

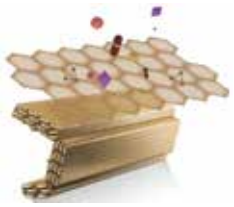
The V-PAM inverter control reduces the effects of magnetic flux and increases the maximum velocity and efficiency of the compressor through vector control technology.

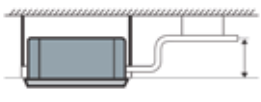
➔ Twin-Rotary compressor

The Twin-Rotary compressor with 180° rotation system and symmetrical balance ensures low levels of vibration and noise thanks to the low torque.

➔ Golden Fin treatment

The batteries in indoor and outdoor units have Golden Fin anti-corrosion treatment as standard. This treatment allows them to enjoy unprecedented duration.





Condensation pump included

All equipment, apart from the floor/ceiling units, have a condensation pump of up to 750 mm, and 1,000 mm in Superslim 840 x 840 cassette.

Units with R-32

R-32 has an atmospheric warming potential of 675, less than that for R-410A, is more economical and is between 2 and 9% more efficient with a lower charging volume.

DUCTS

The Kaysun range for ducts is an excellent solution for places where it is necessary to distribute the air in a balanced way. They automatically adjust the static pressure and can be installed vertically to adapt to any area.

➔ Centralised controller

For overall integration and to monitor all the units, the first option is centralised control. The Kaysun range has a wide variety of centralised controllers and gateways for BMS integration.

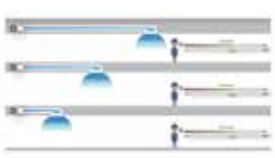
➔ Vertical installation option

With the option of vertical installation they can perfectly adapt to all manner of installations in which the unit cannot be fitted in the ceiling or when installation on the floor is preferred.

* Except KPDA-35 DVR13 and KPDA-52 DVR13.

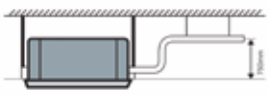
➔ Fresh air intake on the side of the unit

The intake of outdoor unit can be achieved directly by the unit through a pre-stamped hole on the side of the unit's body, and thus cleaner, fresher air can be obtained.



Automatic adjustment of static pressure

The duct automatically modifies the static pressure required in order to provide maximum comfort and adapt the sound level.



Condensation pump

All units have a condensation pump with the capacity to raise the level of water to a height difference of 750 mm.

KC-03.1 SPS
Recommended

R-32 REFRIGERANT | ON/OFF CONTACT | SMART HOME | FRESH AIR SUPPLY | DRAINAGE PUMP | HERTZ | COMPATIBLE WITH AIRZONE

- References ending in DR13 are only compatible with K03 WIFI LCAC, not fitted with XYE port.
- References ending in DR13-X, are compatible with BMS/centralised controller (XYE port fitted), but they are not compatible with K03 WIFI LCAC.

SET MODEL			KPDA-35 DVR13	KPDA-52 DVR13	KPDA-71 DVR13	KPDA-90 DVR13
Indoor unit			KPD-35 DR13 KPD-35 DR13-X	KPD-52 DR13 KPD-52 DR13-X	KPD-71 DR13 KPD-71 DR13-X	KPD-90 DR13 KPD-90 DR13-X
Outdoor unit			KUE-35 DVR13	KUE-52 DVR13	KUE-71 DVR13	KUE-90 DVR13
Capacity	Cooling rated (min./max.)	kW	3.52 (0.53 / 3.99)	5.28 (2.55 / 5.86)	7.03 (3.28 / 8.16)	8.79 (2.23 / 9.85)
	Heating rated (min./max.)	kW	3.81 (1 / 4.39)	5.57 (2.2 / 6.15)	7.62 (2.81 / 8.49)	9.38 (2.7 / 10.02)
	Heating rated at -7°C	kW	2.39	3.81	4.78	7.08
Cooling input rated (min./max.)		W	1053 (155 / 1373)	1530 (710 / 2150)	2190 (750 / 2960)	2500 (190 / 3050)
Heating input rated (min./max.)		W	1038 (302 / 1390)	1510 (740 / 1760)	1900 (640 / 2580)	2250 (430 / 2450)
Heating input rated at -7°C		W	920	1470	1840	2720
Energy efficiency	EER		3.3	3.52	3.15	3.5
	COP		3.66	3.75	4.1	4.25
	SEER - Energy class		6.1 - A++	6.1 - A++	6.1 - A++	6.1 - A++
	SCOP - Energy class		4 - A+	4 - A+	4 - A+	4 - A+
	COP -7°C		2.6	2.6	2.6	2.6
Indoor unit	Air flow low/medium/high	m³/h	350 / 500 / 660	420 / 670 / 870	610 / 930 / 1200	1560 / 1780 / 2060
	Sound pressure low/medium/high	dB(A)	29.8 / 33.5 / 36	26 / 29.8 / 35	25.5 / 29.1 / 32.8	34.3 / 36.7 / 39.2
	Max. pressure available	Pa	60	100	160	160
	Sound power level	dB(A)	56	59	62	65
	Width/height/depth	mm	700 / 200 / 506	880 / 210 / 674	1100 / 249 / 774	1260 / 249 / 774
	Air inlet width/height	mm	537/152	706/136	926/175	1186/175
	Air outler width/height	mm	599/186	782/190	1001/228	1261/228
	Net weight	kg	17.8	24.4	32.3	40.5
	Power supply	V/ph/Hz	With communication	With communication	With communication	With communication
	Power wiring	mm²	With communication	With communication	With communication	With communication
	Possibility of vertical installation		No	No	Yes	Yes
Outdoor unit	Compressor type		Rotary	Rotary	Rotary	Rotary
	Air flow	m³/h	2200	2100	3500	3800
	Sound pressure	dB(A)	53.6	56	60	62
	Sound power level	dB(A)	62	65	69	70
	Width/height/depth	mm	765 / 555 / 303	805 / 554 / 330	890 / 673 / 342	946 / 810 / 410
	Net weight	kg	26.6	32.5	43.9	52.8
	Power supply	V/ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
	Power wiring	mm²	(2+T)x1.5	(2+T)x1.5	(2+T)x2.5	(2+T)x2.5
Shielded communication wiring		mm²	4x1	4x1	4x1	4x1
Refrigerant	Type refrigerant		R-32	R-32	R-32	R-32
	Refrigerant charge/supplementary	kg	0.72 / 0.012	1.15 / 0.012	1.5 / 0.024	2 / 0.024
	Liquid/gas pipe diameter	inch	1/4" / 3/8"	1/4" / 1/2"	3/8" / 5/8"	3/8" / 5/8"
	Piping max. length total/vertical	m	25 / 10	30 / 20	50 / 25	50 / 25
Working range	Outdoor temperature for cooling min./max.	°C	-15°C / 50°C	-15°C / 50°C	-15°C / 50°C	-15°C / 50°C
	Outdoor temperature for heating min./max.	°C	-15°C / 24°C	-15°C / 24°C	-15°C / 24°C	-15°C / 24°C

COMPATIBLE CONTROLLERS

Wireless controller

KID-05 S

Wired controller

KCT-02.1 SR

KC-02.1 H

WiFi controller

K03 WIFI LCAC

K01-WIFI

Purification accessories

PCO

For further information, see our Controllers and IAQ range.

Cooling and heating capacity. Cooling and heating input. Energy efficiency: Data for standard conditions. The actual operation conditions depend on the place in which the equipment has been installed and the use made of it.
Sound pressure: Measurement of the sound pressure is taken using a semi-anechoic chamber at a distance of 1 m from the machine.
Power wiring: The power wiring is up to 10 m approximately. It must be calculated more precisely for each installation.
Supplementary charge: The initial factory charge of the machines is valid for the first 5 m (liquid line). For greater distances, a supplementary charge is required, in accordance with the formula 0.012 kg/m × (L-5) in the liquid line is 1/4". For greater diameters, use 0.024 kg/m × (L-5).
Compatible controllers: The units can integrate one of the controllers from the table or the one recommended by Kaysun. For further information regarding compatibility, see the chapter on Controllers.
NOTE: Before installing these units, current legislation regarding refrigerant gases must be consulted.

DUCTS

KC-03.1 SPS
Recommended

- References ending in DR13 are only compatible with K03 WIFI LCAC, not fitted with XYE port.
- References ending in DR13-X, are compatible with BMS/centralised controller (XYE port fitted), but they are not compatible with K03 WIFI LCAC.

SET MODEL			KPDA-90(140) DVR13	KPDA-105 DVR13	KPDA-105(140) DVR13	KPDA-105 DTR13
Indoor unit			KPD-140 DR13 KPD-140 DR13-X	KPD-105 DR13 KPD-105 DR13-X	KPD-140 DR13 KPD-140 DR13-X	KPD-105 DR13 KPD-105 DR13-X
Outdoor unit			KUE-90 DVR13	KUE-105 DVR13	KUE-105 DVR13	KUE-105 DTR13
Capacity	Cooling rated (min./max.)	kW	8.79 (2.23 / 9.85)	10.55 (2.75 / 11.14)	10.55 (2.75 / 11.14)	10.55 (2.73 / 11.78)
	Heating rated (min./max.)	kW	9.38 (2.7 / 10.02)	11.72 (2.78 / 12.78)	11.72 (2.78 / 12.78)	11.72 (2.78 / 12.84)
	Heating rated at -7°C	kW	7.08	7.44	7.44	7.88
Cooling input rated (min./max.)		W	2500 (190 / 3050)	3950 (900 / 4150)	2950 (900 / 4150)	4000 (890 / 4200)
Heating input rated (min./max.)		W	2250 (430 / 2450)	3250 (800 / 3950)	3250 (800 / 3950)	3250 (780 / 4000)
Heating input rated at -7°C		W	2720	2980	2980	3030
Energy efficiency	EER		3.5	2.6	2.6	2.7
	COP		4.25	3.71	3.71	3.71
	SEER - Energy class		6.1 - A++	6.1 - A++	6.1 - A++	6.1 - A++
	SCOP - Energy class		4 - A+	4 - A+	4 - A+	4 - A+
	COP -7°C		2.6	2.5	2.5	2.6
Indoor unit	Air flow low/medium/high	m³/h	2120 / 2350 / 2600	1560 / 1780 / 2060	2120 / 2350 / 2600	1560 / 1780 / 2060
	Sound pressure low/medium/high	dB(A)	35.4 / 38.3 / 41.8	35.4 / 37.7 / 40.3	35.4 / 38.3 / 41.8	35.4 / 37.7 / 40.3
	Max. pressure available	Pa	160	160	160	160
	Sound power level	dB(A)	70	62	68	63
	Width/height/depth	mm	1200 / 300 / 874	1360 / 249 / 774	1200 / 300 / 874	1360 / 249 / 774
	Air inlet width/height	mm	1044/227	1186/175	1044/227	1186/175
	Air outler width/height	mm	1101/280	1261/228	1101/280	1261/228
	Net weight	kg	47.6	40.5	47.6	40.5
	Power supply	V/ph/Hz	With communication	With communication	With communication	With communication
	Power wiring	mm²	With communication	With communication	With communication	With communication
	Possibility of vertical installation		Yes	Yes	Yes	Yes
Outdoor unit	Compressor type		Rotary	Rotary	Rotary	Rotary
	Air flow	m³/h	3800	4000	4000	4000
	Sound pressure	dB(A)	62	63	63	63
	Sound power level	dB(A)	70	70	70	70
	Width/height/depth	mm	946 / 810 / 410	946 / 810 / 410	946 / 810 / 410	946 / 810 / 410
	Net weight	kg	52.8	66.9	66.9	80.5
	Power supply	V/ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	380-415/3/50
	Power wiring	mm²	(2+T)x2.5	(2+T)x4	(2+T)x4	(4+T)x2.5
Shielded communication wiring		mm²	4x1	4x1	4x1	4x1
Refrigerant	Type refrigerant		R-32	R-32	R-32	R-32
	Refrigerant charge/supplementary	kg	2 / 0.024	2.4 / 0.024	2.4 / 0.024	2.4 / 0.024
	Liquid/gas pipe diameter	inch	3/8" / 5/8"	3/8" / 5/8"	3/8" / 5/8"	3/8" / 5/8"
	Piping max. length total/vertical	m	50 / 25	75 / 30	75 / 30	75 / 30
Working range	Outdoor temperature for cooling min./max.	°C	-15°C / 50°C	-15°C / 50°C	-15°C / 50°C	-15°C / 50°C
	Outdoor temperature for heating min./max.	°C	-15°C / 24°C	-15°C / 24°C	-15°C / 24°C	-15°C / 24°C

COMPATIBLE CONTROLLERS

Wireless controller

KID-05 S

Wired controller

KCT-02.1 SR

KC-02.1 H

WiFi controller

K03 WIFI LCAC

K01-WIFI

Purification accessories

PCO

For further information, see our Controllers and IAQ range.

Cooling and heating capacity. Cooling and heating input. Energy efficiency: Data for standard conditions. The actual operation conditions depend on the place in which the equipment has been installed and the use made of it.
Sound pressure: Measurement of the sound pressure is taken using a semi-anechoic chamber at a distance of 1 m from the machine.
Power wiring: The power wiring is up to 10 m approximately. It must be calculated more precisely for each installation.
Supplementary charge: The initial factory charge of the machines is valid for the first 5 m (liquid line). For greater distances, a supplementary charge is required, in accordance with the formula 0.012 kg/m × (L-5) in the liquid line is 1/4". For greater diameters, use 0.024 kg/m × (L-5).
Compatible controllers: The units can integrate one of the controllers from the table or the one recommended by Kaysun. For further information regarding compatibility, see the chapter on Controllers.
NOTE: Before installing these units, current legislation regarding refrigerant gases must be consulted.

R-32 REFRIGERANT | ON/OFF CONTACT | SMART HOME | FRESH AIR SUPPLY | DRAINAGE PUMP | HERTZ | COMPATIBLE WITH AIRZONE

- References ending in DR13 are only compatible with K03 WIFI LCAC, not fitted with XYE port.
- References ending in DR13-X, are compatible with BMS/centralised controller (XYE port fitted), but they are not compatible with K03 WIFI LCAC.

SET MODEL			KPDA-105(140) DTR13	KPDA-125 DVR13	KPDA-140 DTR13	KPDA-160 DTR13
Indoor unit			KPD-140 DR13 KPD-140 DR13-X	KPD-125 DR13 KPD-125 DR13-X	KPD-140 DR13 KPD-140 DR13-X	KPD-160 DR13 KPD-160 DR13-X
Outdoor unit			KUE-105 DTR13	KUE-125 DVR13	KUE-140 DTR13	KUE-160 DTR13
Capacity	Cooling rated (min./max.)	kW	10.55 (2.73 / 11.14)	12.02 (2.93 / 12.31)	14.07 (3.52 / 15.53)	15.24 (4.1 / 17.29)
	Heating rated (min./max.)	kW	11.72 (2.78 / 12.78)	13.48 (3.37 / 14.07)	16.12 (4.1 / 18.17)	18.17 (4.4 / 20.52)
	Heating rated at -7°C	kW	7.88	8.41	10.18	11.06
Cooling input rated (min./max.)		W	3950 (900 / 4150)	4200 (680 / 4500)	4800 (880 / 6000)	5250 (1030 / 6650)
Heating input rated (min./max.)		W	3250 (800 / 3950)	3459 (750 / 4100)	4500 (950 / 5700)	5150 (950 / 6600)
Heating input rated at -7°C		W	3030	3000	3840	4020
Energy efficiency	EER		2.7	2.85	2.93	3.05
	COP		3.71	3.9	3.52	3.55
	SEER - Energy class		6.1 - A++	6.1 - A++	6.1 - A++	6.1 - A++
	SCOP - Energy class		4 - A+	4 - A+	4 - A+	4 - A+
	COP -7°C		2.6	2.8	2.65	2.75
Indoor unit	Air flow low/medium/high	m³/h	2120 / 2350 / 2600	2120 / 2350 / 2600	2120 / 2350 / 2600	2120 / 2350 / 2600
	Sound pressure low/medium/high	dB(A)	35.4 / 38.3 / 41.8	35.4 / 38.3 / 41.8	35.4 / 38.3 / 41.8	36 / 38.9 / 42.3
	Max. pressure available	Pa	160	160	160	160
	Sound power level	dB(A)	68	71	68	71
	Width/height/depth	mm	1200 / 300 / 874	1200 / 300 / 874	1200 / 300 / 874	1200 / 300 / 874
	Air inlet width/height	mm	1044/227	1044/227	1044/227	1044/227
	Air outler width/height	mm	1101/280	1101/280	1101/280	1101/280
	Net weight	kg	47.6	47.6	47.6	47.4
	Power supply	V/ph/Hz	With communication	With communication	With communication	With communication
	Power wiring	mm²	With communication	With communication	With communication	With communication
	Possibility of vertical installation		Yes	Yes	Yes	Yes
Outdoor unit	Compressor type		Rotary	Rotary	Rotary	Rotary
	Air flow	m³/h	4000	4000	7500	7500
	Sound pressure	dB(A)	63	63	63.5	64
	Sound power level	dB(A)	70	72	74	75
	Width/height/depth	mm	946 / 810 / 410	946 / 810 / 410	952 / 1333 / 415	952 / 1333 / 415
	Net weight	kg	80.5	71	103.7	107
	Power supply	V/ph/Hz	380-415/3/50	220-240/1/50	380-415/3/50	380-415/3/50
	Power wiring	mm²	(4+T)x2.5	(2+T)x4	(4+T)x2.5	(4+T)x2.5
Shielded communication wiring		mm²	4x1	4x1	4x1	4x1
Refrigerant	Type refrigerant		R-32	R-32	R-32	R-32
	Refrigerant charge/supplementary	kg	2.4 / 0.024	2.8 / 0.024	2.9 / 0.024	3 / 0.024
	Liquid/gas pipe diameter	inch	3/8" / 5/8"	3/8" / 5/8"	3/8" / 5/8"	3/8" / 5/8"
	Piping max. length total/vertical	m	75 / 30	75 / 30	75 / 30	75 / 30
Working range	Outdoor temperature for cooling min./max.	°C	-15°C / 50°C	-15°C / 50°C	-15°C / 50°C	-15°C / 50°C
	Outdoor temperature for heating min./max.	°C	-15°C / 24°C	-15°C / 24°C	-15°C / 24°C	-15°C / 24°C

COMPATIBLE CONTROLLERS

Wireless controller

KID-05 S

Wired controller

KCT-02.1 SR

KC-02.1 H

WiFi controller

K03 WIFI LCAC

K01-WIFI

Purification accessories

PCO

For further information, see our Controllers and IAQ range.

Cooling and heating capacity. Cooling and heating input. Energy efficiency: Data for standard conditions. The actual operation conditions depend on the place in which the equipment has been installed and the use made of it.
Sound pressure: Measurement of the sound pressure is taken using a semi-anechoic chamber at a distance of 1 m from the machine.
Power wiring: The power wiring is up to 10 m approximately. It must be calculated more precisely for each installation.
Supplementary charge: The initial factory charge of the machines is valid for the first 5 m (liquid line). For greater distances, a supplementary charge is required, in accordance with the formula 0.012 kg/m × (L-5) in the liquid line is 1/4". For greater diameters, use 0.024 kg/m × (L-5).
Compatible controllers: The units can integrate one of the controllers from the table or the one recommended by Kaysun. For further information regarding compatibility, see the chapter on Controllers.
NOTE: Before installing these units, current legislation regarding refrigerant gases must be consulted.

HIGH CAPACITY FRONT AIR DISCHARGE

Outdoor units with front discharge require little space for installation and maintenance.
They are fitted with Twin DC Rotary Inverter Compressors in order to achieve high performance.
The compatible duct units have high airflows and available static pressure of up to 150 Pa.

➔ High available pressure

The static pressure in some models with ducting reaches 150 Pa in order to provide sufficient pressure and thus obtain the ideal airflow for all outlet panels.

➔ WiFi

These units have the option of WiFi control via smartphone or tablet, making it easy and convenient to control the unit from anywhere.

➔ High-efficiency compressors

The compressors used in these outdoor units are Twin Rotary Inverter models. These compressors feature high efficiency, minimum vibration and high stability.

Low-consumption DC fans

The external units are DC fans that constantly adapt operation and consumption to the needs of the unit, seeking maximum energy efficiency at all times.

KCT-02.1 SR
Recommended

R-410A REFRIGERANT | DC INVERTER COMPRESSOR | DC INVERTER EXTERNAL FAN | COMPATIBLE WITH AIRZONE

			R-410A	
SET MODEL			**KPDH-224F DN10**	**KPDH-280F DN10**
Indoor unit			KPDH 224 DN10	KPDH 280 DN10
Outdoor unit			KUE 224 DN10	KUE 280 DN10
Capacity	**Cooling rated**	**kW**	22.4	28
	Heating rated	**kW**	24.5	31.5
	Heating rated at -7°C	**kW**	17.5	22.05
Cooling input rated		**W**	7200	9000
Heating input rated		**W**	6600	8500
Heating input rated at -7°C		**W**	5020	6460
Energy efficiency	**SEER**		4.78	4.77
	SCOP		3.48	3.48
	COP -7°C		3.41	3.41
Indoor unit	**Air flow low/high**	**m³/h**	3000 / 4800	3000 / 4800
	Sound pressure low/high	**dB(A)**	49 / 52	49 / 52
	Max. pressure available	**Pa**	150	150
	Width/height/depth	**mm**	1470 / 512 / 775	1470 / 612 / 775
	Net weight	**kg**	83	83
	Power supply	**V/ph/Hz**	220/1/50	220/1/50
	Power wiring	**mm²**	3x2,5	3x2,5
Outdoor unit	**Compressor type**		Rotary	Rotary
	Air flow	**m³/h**	9400	9800
	Sound pressure	**dB(A)**	58	59
	Width/height/depth	**mm**	1120 / 1558 / 528	1120 / 1558 / 528
	Net weight	**kg**	147	148
	Power supply	**V/ph/Hz**	380/3/50	380/3/50
	Power wiring	**mm²**	5x6	5x6
Shielded communication wiring		**mm²**	3x0.75	3x0.75
Refrigerant	**Type refrigerant**		R-410A	R-410A
	Refrigerant charge	**kg**	7.2	7.2
	Liquid/gas pipe diameter	**inch**	3/8" / 1"	3/8" / 1"
	Piping max. length total/vertical	**m**	50 / 30	50 / 30
Working range	**Outdoor temperature for cooling min./max.**	**°C**	-15°C / 48°C	-15°C / 48°C
	Outdoor temperature for heating min./max.	**°C**	-15°C / 24°C	-15°C / 24°C

COMPATIBLE CONTROLLERS

Wireless controller

KID-05 S

Wired controller

KCT-02.1 SR KC-02.1 H

WiFi controller

K01-WIFI

Purification accessories

PCO

For further information, see our Controllers and IAQ range.

Cooling and heating capacity. Cooling and heating input. Energy efficiency: Rated conditions: Cooling 27°C BS/19°C BH indoor, 35°C BS outdoor. Heating 20°C BS indoor, 7°C BS/6°C BH outdoor. Piping length 7.5 m, Height 0 m.
Sound pressure: Measurement of the sound pressure is taken using a semi-anechoic chamber at a distance of 1 m from the machine at a height of 1.3 m.
Power wiring: The power wiring is up to 10 m approximately. It must be calculated more precisely for each installation.
Refrigerant charge: This is the amount of refrigerant that has been charged in the unit. In order to apply a supplementary charge, it is necessary to use the formula from the technical manual.
Liquid/gas pipe diameter. Piping height difference/Vertical piping max. length: For lengths greater than 45 m, the diameter must be discussed with the technical department.
Compatible controllers: The units can integrate one of the controllers from the table or the one recommended by Kaysun. For further information regarding compatibility, see the chapter on Controllers.
NOTE: Before installing these units, current legislation regarding refrigerant gases must be consulted.

CASSETTE 600x600

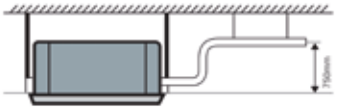
The Kaysun 600x600 cassette fits perfectly within any ceiling thanks to its 600x600 dimensions. The panel provides 360° airflow in order to achieve uniform air distribution, thanks to its low-consumption DC Inverter fan.

➔ Wired controller

This unit is compatible with wired controller, allowing the installation of the control in the most convenient place within the space to be climate conditioned.

➔ Condensation pump

The Kaysun cassettes incorporate condensation pumps as standard, which allow the water to be raised to a difference in height of 750 mm.



➔ 360° airflow

The Kaysun cassettes are fitted with a 360° air diffusion system that allows them to reach every corner of the room and provide maximum comfort to users.

WiFi

It is possible to control Kaysun units via a tablet or smartphone as an option.

DC Inverter fan

The unit is equipped with low-consumption DC Inverter fans which provide more comfortable environments and attain high levels of energy efficiency.

KID-05 S
Recommended

KPA-03E 600X600
Recommended panel

SET MODEL			KCIA-35 DVR13	KCIA-52 DVR13
Indoor unit			KCI-35 DR13	KCI-52 DR13
Outdoor unit			KUE-35 DVR13	KUE-52 DVR13
Capacity	Cooling rated (min./max.)	kW	3.52 (0.85 / 4.11)	5.28 (2.9 / 5.59)
	Heating rated (min./max.)	kW	3.81 (0.47 / 4.31)	5.57 (2.37 / 6.1)
	Heating rated at -7°C	kW	2.4	3.72
Cooling input rated (min./max.)		W	1010 (168 / 1434)	1633 (720 / 2088)
Heating input rated (min./max.)		W	1019 (124 / 1376)	1540 (700 / 1930)
Heating input rated at -7°C		W	870	1430
Energy efficiency	EER		3.35	3.24
	COP		3.74	3.48
	SEER - Energy class		6.1 - A++	6.1 - A++
	SCOP - Energy class		4 - A+	4 - A+
	COP -7°C		2.75	2.6
Indoor unit	Air flow low/medium/high	m³/h	389 / 485 / 569	479 / 584 / 680
	Sound pressure low/medium/high	dB(A)	34.5 / 37.5 / 42	39 / 44 / 45.4
	Sound power level	dB(A)	57	59
	Width/height/depth	mm	570 / 260 / 570	570 / 260 / 570
	Net weight	kg	16.3	16
	Power supply	V/ph/Hz	With communication	With communication
	Power wiring	mm²	With communication	With communication
Panel	Width/height/depth	mm	647 / 50 / 647	647 / 50 / 647
	Net weight	kg	2.5	2.5
Outdoor unit	Compressor type		Rotary	Rotary
	Air flow	m³/h	2200	2100
	Sound pressure	dB(A)	53.6	56
	Sound power level	dB(A)	62	65
	Width/height/depth	mm	765 / 555 / 303	805 / 554 / 330
	Net weight	kg	26.6	32.5
	Power supply	V/ph/Hz	220-240/1/50	220-240/1/50
	Power wiring	mm²	(2+T)x1.5	(2+T)x1.5
Shielded communication wiring		mm²	4x1	4x1
Refrigerant	Type refrigerant		R-32	R-32
	Refrigerant charge/supplementary	kg	0.72 / 0.012	1.15 / 0.012
	Liquid/gas pipe diameter	inch	1/4" / 3/8"	1/4" / 1/2"
	Piping max. length total/vertical	m	25 / 10	30 / 20
Working range	Outdoor temperature for cooling min./max.	°C	-15°C / 50°C	-15°C / 50°C
	Outdoor temperature for heating min./max.	°C	-15°C / 24°C	-15°C / 24°C

COMPATIBLE CONTROLLERS

Wired controller

KC-03.2 SPS

WiFi controller

K03 WIFI LCAC

K01-WIFI

For further information, see our Controllers range.

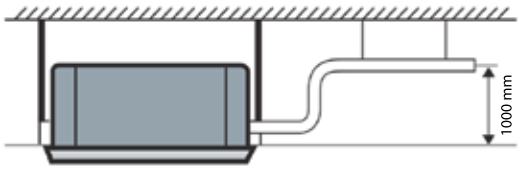
Cooling and heating capacity. Cooling and heating input. Energy efficiency: Data for standard conditions. The actual operation conditions depend on the place in which the equipment has been installed and the use made of it.
Sound pressure: Measurement of the sound pressure is taken using a semi-anechoic chamber at a distance of 1 m from the machine.
Power wiring: The power wiring is up to 10 m approximately. It must be calculated more precisely for each installation.
Supplementary charge: The initial factory charge of the machines is valid for the first 5 m (liquid line). For greater distances, a supplementary charge is required, in accordance with the formula 0.012 kg/m × (L-5) in the liquid line is 1/4". For greater diameters, use 0.024 kg/m × (L-5).
Compatible controllers: The units can integrate one of the controllers from the table or the one recommended by Kaysun. For further information regarding compatibility, see the chapter on Controllers.
NOTE: Before installing these units, current legislation regarding refrigerant gases must be consulted.

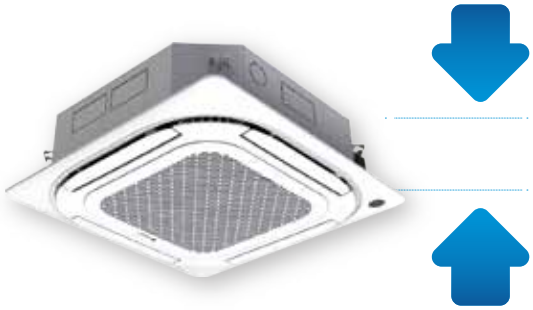
SUPERSLIM CASSETTE 840x840

The Kaysun low profile Cassette SuperSlim 840x840 units with 360° airflow achieve uniform, rapid climate control which reaches every corner of the room thanks to their DC Inverter fans.

➔ Outdoor air intake

The possibility to supply fresh air directly into the unit to keep the indoor environment fresh and healthy.





➔ New condensation pump

The Kaysun cassettes incorporate condensation pumps as standard, which allow the water to be raised to a difference in height of 1,000 m.

➔ Low-profile design

They can be installed in very shallow false ceilings thanks to their reduced height.

WiFi

It is possible to control Kaysun units via a tablet or smartphone as an option.

DC Inverter fan

The unit is equipped with low-consumption DC Inverter fans which provide more comfortable environments and attain high levels of energy efficiency.

KPA4-04B 840X840
Recommended panel

KID-05 S
Recommended

SET MODEL			KCISA-71 DVR13	KCISA-90 DVR13	KCISA-105 DVR13
Indoor unit			KCIS-71 DR13	KCIS-90 DR13	KCIS-105 DR13
Outdoor unit			KUE-71 DVR13	KUE-90 DVR13	KUE-105 DVR13
Capacity	Cooling rated (min./max.)	kW	7.03 (3.3 / 7.91)	8.79 (2.23 / 9.38)	10.55 (2.7 / 11.43)
	Heating rated (min./max.)	kW	7.62 (2.81 / 8.94)	9.38 (2.7 / 9.73)	11.14 (2.78 / 12.66)
	Heating rated at -7°C	kW	3.31	6.55	7.52
Cooling input rated (min./max.)		W	2320 (780 / 2748)	2750 (190 / 3000)	4000 (890 / 4150)
Heating input rated (min./max.)		W	1900 (610 / 2700)	2450 (430 / 2550)	3000 (780 / 4000)
Heating input rated at -7°C		W	1250	2570	2890
Energy efficiency	EER		2.88	3.2	2.65
	COP		4.1	4	3.68
	SEER - Energy class		6.1 - A++	6.1 - A++	6.1 - A++
	SCOP - Energy class		4 - A+	4 - A+	4 - A+
	COP -7°C		2.65	2.55	2.6
Indoor unit	Air flow low/medium/high	m³/h	992 / 1118 / 1247	1300 / 1530 / 1700	1300 / 1530 / 1700
	Sound pressure low/medium/high	dB(A)	42 / 47.5 / 50	46 / 48 / 50.5	46 / 49 / 51
	Sound power level	dB(A)	59	63	64
	Width/height/depth	mm	830 / 205 / 830	830 / 245 / 830	830 / 245 / 830
	Net weight	kg	21.6	24.6	27.2
	Power supply	V/ph/Hz	With communication	With communication	With communication
	Power wiring	mm²	With communication	With communication	With communication
Panel	Width/height/depth	mm	950 / 55 / 950	950 / 55 / 950	950 / 55 / 950
	Net weight	kg	6	6	6
Outdoor unit	Compressor type		Rotary	Rotary	Rotary
	Air flow	m³/h	3500	3800	4000
	Sound pressure	dB(A)	60	62	63
	Sound power level	dB(A)	69	70	70
	Width/height/depth	mm	890 / 673 / 342	946 / 810 / 410	946 / 810 / 410
	Net weight	kg	43.9	52.8	66.9
	Power supply	V/ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50
	Power wiring	mm²	(2+T)x2.5	(2+T)x2.5	(2+T)x4
Shielded communication wiring		mm²	4x1	4x1	4x1
Refrigerant	Type refrigerant		R-32	R-32	R-32
	Refrigerant charge/supplementary	kg	1.9 / 0.024	2 / 0.024	2.4 / 0.024
	Liquid/gas pipe diameter	inch	3/8" / 5/8"	3/8" / 5/8"	3/8" / 5/8"
	Piping max. length total/vertical	m	50 / 25	50 / 25	75 / 30
Working range	Outdoor temperature for cooling min./max.	°C	-15°C / 50°C	-15°C / 50°C	-15°C / 50°C
	Outdoor temperature for heating min./max.	°C	-15°C / 24°C	-15°C / 24°C	-15°C / 24°C

COMPATIBLE CONTROLLERS

Wired controller

KC-03.1 SPS

WiFi controller

K04 WIFI LCAC

K01-WIFI

For further information, see our Controllers range.

Cooling and heating capacity. Cooling and heating input. Energy efficiency: Data for standard conditions. The actual operation conditions depend on the place in which the equipment has been installed and the use made of it.
Sound pressure: Measurement of the sound pressure is taken using a semi-anechoic chamber at a distance of 1 m from the machine.
Power wiring: The power wiring is up to 10 m approximately. It must be calculated more precisely for each installation.
Supplementary charge: The initial factory charge of the machines is valid for the first 5 m (liquid line). For greater distances, a supplementary charge is required, in accordance with the formula 0.012 kg/m × (L-5) in the liquid line is 1/4". For greater diameters, use 0.024 kg/m × (L-5).
Compatible controllers: The units can integrate one of the controllers from the table or the one recommended by Kaysun. For further information regarding compatibility, see the chapter on Controllers.
NOTE: Before installing these units, current legislation regarding refrigerant gases must be consulted.

SUPERSLIM CASSETTE 840x840

KPA4-04B 840X840
Recommended panel

KID-05 S
Recommended

SET MODEL			KCISA-105 DTR13	KCISA-125 DVR13
Indoor unit			KCIS-105 DR13	KCIS-125 DR13
Outdoor unit			KUE-105 DTR13	KUE-125 DVR13
Capacity	Cooling rated (min./max.)	kW	10.55 (2.7 / 11.43)	12.02 (2.93 / 12.31)
	Heating rated (min./max.)	kW	11.14 (2.78 / 12.66)	13.48 (3.37 / 14.07)
	Heating rated at -7°C	kW	7.08	8.41
Cooling input rated (min./max.)		W	4000 (890 / 4150)	4200 (680 / 4350)
Heating input rated (min./max.)		W	3000 (780 / 4000)	3700 (750 / 4250)
Heating input rated at -7°C		W	2670	3170
Energy efficiency	EER		2.65	2.85
	COP		3.68	3.6
	SEER - Energy class		6.1 - A++	6.1 - A++
	SCOP - Energy class		4 - A+	4 - A+
	COP -7°C		2.65	2.65
Indoor unit	Air flow low/medium/high	m³/h	1300 / 1530 / 1700	1600 / 1750 / 1900
	Sound pressure low/medium/high	dB(A)	46 / 40 / 51	47.5 / 50 / 52.5
	Sound power level	dB(A)	64	66
	Width/height/depth	mm	830 / 245 / 830	830 / 287 / 830
	Net weight	kg	27.2	29.3
	Power supply	V/ph/Hz	With communication	With communication
	Power wiring	mm²	With communication	With communication
Panel	Width/height/depth	mm	950 / 55 / 950	950 / 55 / 950
	Net weight	kg	6	6
Outdoor unit	Compressor type		Rotary	Rotary
	Air flow	m³/h	4000	4000
	Sound pressure	dB(A)	63	63
	Sound power level	dB(A)	70	72
	Width/height/depth	mm	946 / 810 / 410	946 / 810 / 410
	Net weight	kg	80.5	71
	Power supply	V/ph/Hz	380-415/3/50	220-240/1/50
	Power wiring	mm²	(4+T)x2.5	(2+T)x4
Shielded communication wiring		mm²	4x1	4x1
Refrigerant	Type refrigerant		R-32	R-32
	Refrigerant charge/supplementary	kg	2.4 / 0.024	2.8 / 0.024
	Liquid/gas pipe diameter	inch	3/8" / 5/8"	3/8" / 5/8"
	Piping max. length total/vertical	m	75 / 30	75 / 30
Working range	Outdoor temperature for cooling min./max.	°C	-15°C / 50°C	-15°C / 50°C
	Outdoor temperature for heating min./max.	°C	-15°C / 24°C	-15°C / 24°C

COMPATIBLE CONTROLLERS

Wired controller

KC-03.1 SPS

WiFi controller

K04 WIFI LCAC

K01-WIFI

For further information, see our Controllers range.

Cooling and heating capacity. Cooling and heating input. Energy efficiency: Data for standard conditions. The actual operation conditions depend on the place in which the equipment has been installed and the use made of it.
Sound pressure: Measurement of the sound pressure is taken using a semi-anechoic chamber at a distance of 1 m from the machine.
Power wiring: The power wiring is up to 10 m approximately. It must be calculated more precisely for each installation.
Supplementary charge: The initial factory charge of the machines is valid for the first 5 m (liquid line). For greater distances, a supplementary charge is required, in accordance with the formula 0.012 kg/m × (L-5) in the liquid line is 1/4". For greater diameters, use 0.024 kg/m × (L-5).
Compatible controllers: The units can integrate one of the controllers from the table or the one recommended by Kaysun. For further information regarding compatibility, see the chapter on Controllers.
NOTE: Before installing these units, current legislation regarding refrigerant gases must be consulted.

R-32 REFRIGERANT | AIR OUTLET 360° | ON/OFF CONTACT | SMART HOME | FRESH AIR SUPPLY | HERTZ | SUPERSLIM | COMPATIBLE WITH AIRZONE

SET MODEL			KCISA-140 DTR13	KCISA-160 DTR13
Indoor unit			KCIS-140 DR13	KCIS-160 DR13
Outdoor unit			KUE-140 DTR13	KUE-160 DTR13
Capacity	Cooling rated (min./max.)	kW	14.07 (3.52 / 15.83)	15.24 (4.1 / 16.71)
	Heating rated (min./max.)	kW	16.12 (4.1 / 17.29)	18.17 (4.4 / 19.93)
	Heating rated at -7°C	kW	9.74	10.53
Cooling input rated (min./max.)		W	4650 (800 / 5900)	5000 (980 / 6200)
Heating input rated (min./max.)		W	4580 (900 / 5500)	5550 (1020 / 6700)
Heating input rated at -7°C		W	3630	4070
Energy efficiency	EER		3.03	2.95
	COP		3.5	3.22
	SEER - Energy class		6.1 - A++	6.1 - A++
	SCOP - Energy class		4 - A+	4 - A+
	COP -7°C		2.68	2.59
Indoor unit	Air flow low/medium/high	m³/h	1600 / 1750 / 1900	1650 / 1850 / 2000
	Sound pressure low/medium/high	dB(A)	48 / 50.5 / 52.5	49.5 / 52 / 54.5
	Sound power level	dB(A)	66	66
	Width/height/depth	mm	830 / 287 / 830	830 / 287 / 830
	Net weight	kg	29.3	29.3
	Power supply	V/ph/Hz	With communication	With communication
	Power wiring	mm²	With communication	With communication
Panel	Width/height/depth	mm	950 / 55 / 950	950 / 55 / 950
	Net weight	kg	6	6
Outdoor unit	Compressor type		Rotary	Rotary
	Air flow	m³/h	7500	7500
	Sound pressure	dB(A)	63.5	64
	Sound power level	dB(A)	74	75
	Width/height/depth	mm	952 / 1333 / 415	952 / 1333 / 415
	Net weight	kg	103.7	107
	Power supply	V/ph/Hz	380-415/3/50	380-415/3/50
	Power wiring	mm²	(4+T)x2.5	(4+T)x2.5
Shielded communication wiring		mm²	4x1	4x1
Refrigerant	Type refrigerant		R-32	R-32
	Refrigerant charge/supplementary	kg	2.9 / 0.024	3 / 0.024
	Liquid/gas pipe diameter	inch	3/8" / 5/8"	3/8" / 5/8"
	Piping max. length total/vertical	m	75 / 30	75 / 30
Working range	Outdoor temperature for cooling min./max.	°C	-15°C / 50°C	-15°C / 50°C
	Outdoor temperature for heating min./max.	°C	-15°C / 24°C	-15°C / 24°C

COMPATIBLE CONTROLLERS

Wired controller

KC-03.1 SPS

WiFi controller

K04 WIFI LCAC

K01-WIFI

For further information, see our Controllers range.

Cooling and heating capacity. Cooling and heating input. Energy efficiency: Data for standard conditions. The actual operation conditions depend on the place in which the equipment has been installed and the use made of it.
Sound pressure: Measurement of the sound pressure is taken using a semi-anechoic chamber at a distance of 1 m from the machine.
Power wiring: The power wiring is up to 10 m approximately. It must be calculated more precisely for each installation.
Supplementary charge: The initial factory charge of the machines is valid for the first 5 m (liquid line). For greater distances, a supplementary charge is required, in accordance with the formula 0.012 kg/m × (L-5) in the liquid line is 1/4". For greater diameters, use 0.024 kg/m × (L-5).
Compatible controllers: The units can integrate one of the controllers from the table or the one recommended by Kaysun. For further information regarding compatibility, see the chapter on Controllers.
NOTE: Before installing these units, current legislation regarding refrigerant gases must be consulted.

FLOOR/CEILING

Floor/Ceiling units complete the extensive Kaysun Zen R-32 range. They can be installed in vertical or horizontal position.
Thanks to the Inverter fan on the indoor unit, sound and consumption levels remain as low as possible.

➔ Versatility

Thanks to the two installation options, in the ceiling or the floor, it is capable of easily adapting to any installation type.

➔ Ease of maintenance

The units feature easy access to main components and parts, to facilitate maintenance, cleaning and repair.

➔ WiFi

These units have the option of WiFi control via smartphone or tablet, making it easy and convenient to control the unit from anywhere.

DC Inverter fan

The unit is equipped with a DC Inverter fan, to improve comfort and reduce the unit's consumption.

KID-05 S
Recommended

R-32 REFRIGERANT | ON/OFF CONTACT | CONDENSATION CONTROL | SMART HOME | HERTZ | DC INVERTER COMPRESSOR | DC INVERTER INTERNAL FAN | COMPATIBLE WITH AIRZONE

ZEN COMMERCIAL

- References ending in DR13 are only compatible with K03 WIFI LCAC, not fitted with XYE port.
- References ending in DR13-X, are compatible with BMS/centralised controller (XYE port fitted), but they are not compatible with K03 WIFI LCAC.

SET MODEL			KPCA-52 DVR13	KPCA-71 DVR13
Indoor unit			KPC-52 DR13 KPC-52 DR13-X	KPC-71 DR13 KPC-71 DR13-X
Outdoor unit			KUE-52 DVR13	KUE-71 DVR13
Capacity	Cooling rated (min./max.)	kW	5.28 (2.71 / 5.86)	7.03 (3.22 / 7.77)
	Heating rated (min./max.)	kW	5.57 (2.42 / 6.3)	7.62 (2.72 / 8.29)
	Heating rated at -7°C	kW	3.54	4.87
Cooling input rated (min./max.)		W	1450 (670 / 2027)	2300 (747 / 2930)
Heating input rated (min./max.)		W	1500 (540 / 1640)	2050 (650 / 2850)
Heating input rated at -7°C		W	1230	1790
Energy efficiency	EER		3.7	2.95
	COP		3.75	4
	SEER - Energy class		6.1 - A+++	6.1 - A+++
	SCOP - Energy class		4 - A+	4 - A+
	COP -7°C		2.88	2.72
Indoor unit	Air flow low/medium/high	m³/h	723 / 839 / 958	853 / 1023 / 1192
	Sound pressure low/medium/high	dB(A)	37 / 41 / 44	43 / 47 / 51
	Sound power level	dB(A)	59	55
	Width/height/depth	mm	1068 / 235 / 675	1068 / 235 / 675
	Net weight	kg	28	28
	Power supply	V/ph/Hz	With communication	With communication
	Power wiring	mm²	With communication	With communication
Outdoor unit	Compressor type		Rotary	Rotary
	Air flow	m³/h	2100	3500
	Sound pressure	dB(A)	56	60
	Sound power level	dB(A)	65	69
	Width/height/depth	mm	805 / 554 / 330	890 / 673 / 342
	Net weight	kg	32.5	43.9
	Power supply	V/ph/Hz	220-240/1/50	220-240/1/50
	Power wiring	mm²	(2+T)x1.5	(2+T)x4
Shielded communication wiring		mm²	4x1	4x1
Refrigerant	Type refrigerant		R-32	R-32
	Refrigerant charge/supplementary	kg	1.15 / 0.012	1.5 / 0.024
	Liquid/gas pipe diameter	inch	1/4" / 1/2"	3/8" / 5/8"
	Piping max. length total/vertical	m	30 / 20	50 / 25
Working range	Outdoor temperature for cooling min./max.	°C	-15°C / 50°C	-15°C / 50°C
	Outdoor temperature for heating min./max.	°C	-15°C / 24°C	-15°C / 24°C

COMPATIBLE CONTROLLERS

Wired controller

KC-03.1 SPS

WiFi controller

K03 WIFI LCAC

K01-WIFI

For further information, see our Controllers range.

Cooling and heating capacity. Cooling and heating input. Energy efficiency: Data for standard conditions. The actual operation conditions depend on the place in which the equipment has been installed and the use made of it.
Sound pressure: Measurement of the sound pressure is taken using a semi-anechoic chamber at a distance of 1 m from the machine.
Power wiring: The power wiring is up to 10 m approximately. It must be calculated more precisely for each installation.
Supplementary charge: The initial factory charge of the machines is valid for the first 5 m (liquid line). For greater distances, a supplementary charge is required, in accordance with the formula 0.012 kg/m × (L-5) in the liquid line is 1/4". For greater diameters, use 0.024 kg/m × (L-5).
Compatible controllers: The units can integrate one of the controllers from the table or the one recommended by Kaysun. For further information regarding compatibility, see the chapter on Controllers.
NOTE: Before installing these units, current legislation regarding refrigerant gases must be consulted.

FLOOR/CEILING

KID-05 S
Recommended

- References ending in DR13 are only compatible with K03 WIFI LCAC, not fitted with XYE port.
- References ending in DR13-X, are compatible with BMS/centralised controller (XYE port fitted), but they are not compatible with K03 WIFI LCAC.

SET MODEL			KPCA-105 DVR13	KPCA-105 DTR13
Indoor unit			KPC-105 DR13 KPC-105 DR13-X	KPC-105 DR13 KPC-105 DR13-X
Outdoor unit			KUE-105 DVR13	KUE-105 DTR13
Capacity	Cooling rated (min./max.)	kW	10.55 (2.73 / 11.78)	10.55 (2.73 / 11.43)
	Heating rated (min./max.)	kW	11.72 (2.81 / 12.78)	11.72 (2.78 / 12.78)
	Heating rated at -7°C	kW	7.61	7.61
Cooling input rated (min./max.)		W	4000 (890 / 4300)	3900 (900 / 4250)
Heating input rated (min./max.)		W	3350 (780 / 3950)	3350 (800 / 3950)
Heating input rated at -7°C		W	3040	3040
Energy efficiency	EER		2.6	2.6
	COP		3.6	3.6
	SEER - Energy class		6.1 - A+++	6.1 - A+++
	SCOP - Energy class		4 - A+	4 - A+
	COP -7°C		2.5	2.5
Indoor unit	Air flow low/medium/high	m³/h	1504 / 1728 / 1955	1504 / 1728 / 1955
	Sound pressure low/medium/high	dB(A)	45 / 47.5 / 51	45 / 48 / 51.5
	Sound power level	dB(A)	65	65
	Width/height/depth	mm	1650 / 235 / 675	1650 / 235 / 675
	Net weight	kg	41.5	41.5
	Power supply	V/ph/Hz	With communication	With communication
	Power wiring	mm²	With communication	With communication
Outdoor unit	Compressor type		Rotary	Rotary
	Air flow	m³/h	3800	4000
	Sound pressure	dB(A)	62	63
	Sound power level	dB(A)	70	70
	Width/height/depth	mm	946 / 810 / 410	946 / 810 / 410
	Net weight	kg	52.8	66.9
	Power supply	V/ph/Hz	220-240/1/50	380-415/3/50
	Power wiring	mm²	(2+T)x4	(4+T)x2.5
Shielded communication wiring		mm²	4x1	4x1
Refrigerant	Type refrigerant		R-32	R-32
	Refrigerant charge/supplementary	kg	2 / 0.024	2.4 / 0.024
	Liquid/gas pipe diameter	inch	3/8" / 5/8"	3/8" / 5/8"
	Piping max. length total/vertical	m	50 / 25	75 / 30
Working range	Outdoor temperature for cooling min./ max.	°C	-15°C / 50°C	-15°C / 50°C
	Outdoor temperature for heating min./ max.	°C	-15°C / 24°C	-15°C / 24°C

COMPATIBLE CONTROLLERS

Wired controller

KC-03.1 SPS

WiFi controller

K03 WIFI LCAC

K01-WIFI

For further information, see our Controllers range.

Cooling and heating capacity. Cooling and heating input. Energy efficiency: Data for standard conditions. The actual operation conditions depend on the place in which the equipment has been installed and the use made of it.
Sound pressure: Measurement of the sound pressure is taken using a semi-anechoic chamber at a distance of 1 m from the machine.
Power wiring: The power wiring is up to 10 m approximately. It must be calculated more precisely for each installation.
Supplementary charge: The initial factory charge of the machines is valid for the first 5 m (liquid line). For greater distances, a supplementary charge is required, in accordance with the formula 0.012 kg/m × (L-5) in the liquid line is 1/4". For greater diameters, use 0.024 kg/m × (L-5).
Compatible controllers: The units can integrate one of the controllers from the table or the one recommended by Kaysun. For further information regarding compatibility, see the chapter on Controllers.
NOTE: Before installing these units, current legislation regarding refrigerant gases must be consulted.

R-32 REFRIGERANT | ON/OFF CONTACT | CONDENSATION CONTROL | SMART HOME | HERTZ | DC INVERTER COMPRESSOR | DC INVERTER INTERNAL FAN | COMPATIBLE WITH AIRZONE

- References ending in DR13 are only compatible with K03 WIFI LCAC, not fitted with XYE port.
- References ending in DR13-X, are compatible with BMS/centralised controller (XYE port fitted), but they are not compatible with K03 WIFI LCAC.

SET MODEL			KPCA-140 DTR13	KPCA-160 DTR13
Indoor unit			KPC-140 DR13 KPC-140 DR13-X	KPC-160 DR13 KPC-160 DR13-X
Outdoor unit			KUE-140 DTR13	KUE-160 DTR13
Capacity	Cooling rated (min./max.)	kW	14.07 (3.52 / 15.24)	15.83 (4.1 / 16.71)
	Heating rated (min./max.)	kW	16.12 (4.1 / 17)	18.18 (4.4 / 19.64)
	Heating rated at -7°C	kW	9.91	10.53
Cooling input rated (min./max.)		W	5000 (900 / 5950)	5650 (1100 / 6650)
Heating input rated (min./max.)		W	5100 (1000 / 6050)	6050 (1050 / 7100)
Heating input rated at -7°C		W	3740	4050
Energy efficiency	EER		2.83	2.76
	COP		3.07	3
	SEER - Energy class		6.1 - A+++	6.1 - A+++
	SCOP - Energy class		4 - A+	4 - A+
	COP -7°C		2.65	2.6
Indoor unit	Air flow low/medium/high	m³/h	1600 / 1850 / 2100	1650 / 1950 / 2200
	Sound pressure low/medium/high	dB(A)	46 / 50 / 53	48 / 52 / 55
	Sound power level	dB(A)	67	67
	Width/height/depth	mm	1650 / 235 / 675	1650 / 235 / 675
	Net weight	kg	41.7	42.3
	Power supply	V/ph/Hz	With communication	With communication
	Power wiring	mm²	With communication	With communication
Outdoor unit	Compressor type		Rotary	Rotary
	Air flow	m³/h	4000	4000
	Sound pressure	dB(A)	63	63
	Sound power level	dB(A)	70	72
	Width/height/depth	mm	946 / 810 / 410	946 / 810 / 410
	Net weight	kg	80.5	71
	Power supply	V/ph/Hz	380-415/3/50	380-415/3/50
	Power wiring	mm²	(4+T)x2.5	(4+T)x4
Shielded communication wiring		mm²	4x1	4x1
Refrigerant	Type refrigerant		R-32	R-32
	Refrigerant charge/supplementary	kg	2.4 / 0.024	2.8 / 0.024
	Liquid/gas pipe diameter	inch	3/8" / 5/8"	3/8" / 5/8"
	Piping max. length total/vertical	m	75 / 30	75 / 30
Working range	Outdoor temperature for cooling min./ max.	°C	-15°C / 50°C	-15°C / 50°C
	Outdoor temperature for heating min./ max.	°C	-15°C / 24°C	-15°C / 24°C

COMPATIBLE CONTROLLERS

Wired controller

KC-03.1 SPS

WiFi controller

K03 WIFI LCAC

K01-WIFI

For further information, see our Controllers range.

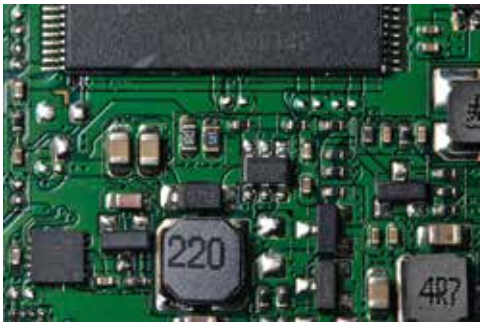
Cooling and heating capacity. Cooling and heating input. Energy efficiency: Data for standard conditions. The actual operation conditions depend on the place in which the equipment has been installed and the use made of it.
Sound pressure: Measurement of the sound pressure is taken using a semi-anechoic chamber at a distance of 1 m from the machine.
Power wiring: The power wiring is up to 10 m approximately. It must be calculated more precisely for each installation.
Supplementary charge: The initial factory charge of the machines is valid for the first 5 m (liquid line). For greater distances, a supplementary charge is required, in accordance with the formula 0.012 kg/m × (L-5) in the liquid line is 1/4". For greater diameters, use 0.024 kg/m × (L-5).
Compatible controllers: The units can integrate one of the controllers from the table or the one recommended by Kaysun. For further information regarding compatibility, see the chapter on Controllers.
NOTE: Before installing these units, current legislation regarding refrigerant gases must be consulted.

AHUKZ LCAC

Through the AHUKZ control box for Current Loop units in the Zen range, it is possible to easily control any R-32 direct expansion coil.

➔ Integrable with any R-32 expansion coil

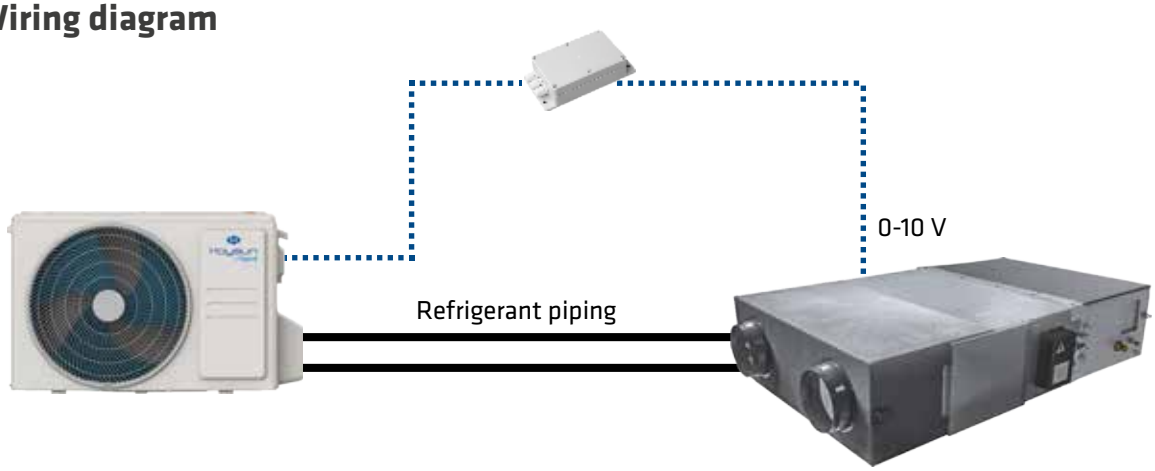
Through the AHUKZ control box for Current Loop units in the Zen range, it is possible to control and supply any coil, for example, air curtain or heat recovery unit, simply and economically.



➔ 0-10V control

Through proportional control it is possible to easily integrate the control of our coll with a standard controller or external 0-10 V signal.

➔ Wiring diagram



frigicoll

R-32
REFRIGERANT

MODEL			FRIAHUKZ-LCAC-01
Capacity	Cooling min./max.	kW	2.0 / 16
Indoor unit	Width/height/depth	mm	191 / 100 / 45
	Net weight	kg	0,35
	Power supply	V/ph/Hz	220-240/1/50
	Power wiring	mm²	3x1,5
	Shielded communication wiring	mm²	With communication
Digital control signals	Maximum voltage	V	250 VAC / 48 VDC
	Maximum current	mA	100 maAC / 50 mADC
Analogue control signals	Voltage	V	0-10 VDC (max 12V DC)
	Maximum current	mA	1
Refrigerant	Refrigerant type		R-32
Working range	Outdoor temperature for cooling min./max.	ºC	-15ºC / 50ºC
	Outdoor temperature for heating min./max.	ºC	-15ºC / 24ºC

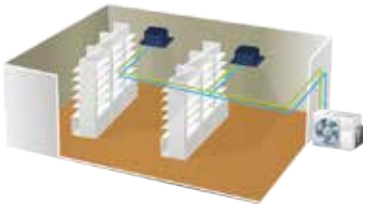
Cooling capacity: Capacity can be adjusted via dip switch on electronic board.
Rated conditions: Cooling 27°CBS/19°CBH indoor, 35°CBS outdoor. Heating 20°CBS indoor, 7°CBS/6°CBH outdoor. Piping length 7.5 m, Height 0 m.
Power wiring: Supply wiring up to 10 m approximately. It must be calculated for the specific conditions of each installation.

TWINS

The balance within the Zen range leads to good service and greater comfort for users and installers. The Zen Inverter units are equipped with a dedicated electronic board that allows the connection of two units to the same outdoor unit. TWIN technology can be applied to ducts, cassette Superslim and floor/ceiling units.

➔ Control and setting simplicity

When a Twin system is working, the control can only operate the master unit. The two indoor units work as the same status, mode, temperature, fan velocity, etc. When the master unit is stopped, the slave unit also stops.



➔ Saving space, climate control in every corner

Twin units represent the versatility and balance of the Zen range. They are presented as an option for commercial spaces that require more than one indoor unit to achieve adequate air-conditioning without the need to install additional outdoor units.

➔ WiFi

It is possible to control Kaysun units via a tablet or smartphone as an option.

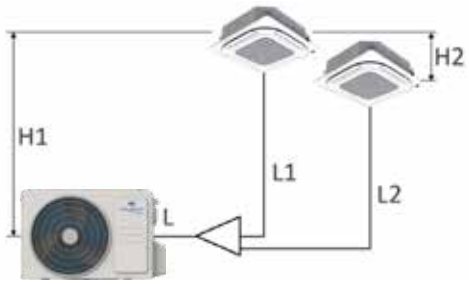
➔DC Inverter fan

The unit is equipped with low-consumption DC Inverter fans which provide more comfortable environments and attain high levels of energy.

COMPATIBLE UNITS

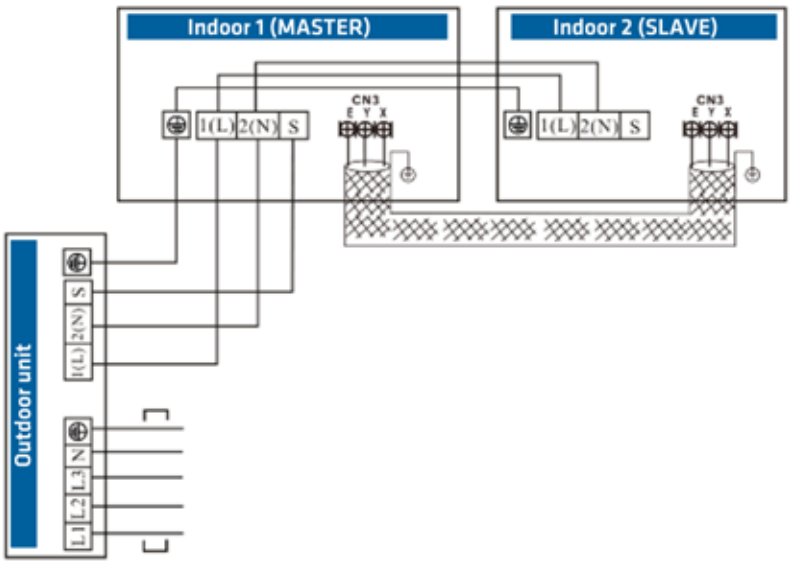
INDOOR UNITS		OUTDOOR UNITS
Typology	**Model**	**Model**
Ducts	KPD-35 DR13-X	KUE-71 DVR13
Ducts	KPD-52 DR13-X	KUE-105 DTR13 KUE-105 DVR13
Floor/Ceiling	KPC-52 DR13-X	
Ducts	KPD-71 DR13-X	KUE-140 DTR13
Cassette	KCIS-71 DR13	
Floor/Ceiling	KPC-71 DR13-X	
Ducts	KPD-90 DR13-X	KUE-160 DTR13
Cassette	KCIS-90 DR13	

PERMITTED DISTANCES



Total length (m)	**2x 12K**	50	L+L1+L2
	2x 18K	50	
	2x 24K	65	
	2x 30K	65	
Max. length (m)		15	L1, L2
Max. difference (m)		10	L1, L2
Max. difference indoor/outdoor (m)		20	H1
Max. difference indoor/indoor (m)		0.5	H2

WIRING DIAGRAM



Power supply diagram for three-phase outdoor unit

DUCTS
AXIAL TWINS CURRENT LOOP

KC-03.1 SPS
Recommended

KCMI 112
Branch pipe

SET MODEL			KPDA-35 DVR13 TWIN	KPDA-52 DVR13 TWIN	KPDA-52 DTR13 TWIN
Indoor unit			2x KPD-35 DR13	2x KPD-52 DR13	2x KPD-52 DR13
Outdoor unit			KUE-52 DVR13	KUE-105 DVR13	KUE-105 DTR13
Capacity	Cooling rated (min./max.)	kW	2x 3,52 (0.53 / 3.99)	2x 5,28 (2.55 / 5.86)	2x 5,28 (2.55 / 5.86)
	Heating rated (min./max.)	kW	2x 3,81 (1 / 4.39)	2x 5,57 (2.2 / 6.15)	2x 5,57 (2.2 / 6.15)
Cooling input rated (min./max.)		W	2190 (750 / 2960)	3950 (900 / 4150)	3950 (900 / 4150)
Heating input rated (min./max.)		W	1900 (640 / 2580)	3250 (800 / 3950)	3250 (800 / 3950)
Energy efficiency	SEER - Energy class		6.1 - A++	6.1 - A++	6.1 - A++
	SCOP - Energy class		4 - A+	4 - A+	4 - A+
Indoor unit	Air flow low/medium/high	m³/h	350 / 500 / 660	420 / 670 / 870	420 / 670 / 870
	Sound pressure low/medium/high	dB(A)	29.8 / 33.5 / 36	26 / 29.8 / 35	26 / 29.8 / 35
	Max. pressure available	Pa	60	100	100
	Sound power level	dB(A)	56	59	59
	Width/height/depth	mm	700 / 200 / 506	880 / 210 / 674	880 / 210 / 674
	Air inlet width/height	mm	537/152	706/136	706/136
	Air outler width/height	mm	599/186	782/190	782/190
	Net weight	kg	17.8	24.4	24.4
	Power supply	V/ph/Hz	With communication	With communication	With communication
	Power wiring	mm²	With communication	With communication	With communication
	Possibility of vertical installation		No	No	No
Outdoor unit	Compressor type		Rotary	Rotary	Rotary
	Air flow	m³/h	3500	4000	4000
	Sound pressure	dB(A)	60	63	63
	Sound power level	dB(A)	69	70	70
	Width/height/depth	mm	890 / 673 / 342	946 / 810 / 410	946 / 810 / 410
	Net weight	kg	43.9	66.9	80.5
	Power supply	V/ph/Hz	220-240/1/50	220-240/1/50	380-415/3/50
	Power wiring	mm²	(2+T)x2,5	(2+T)x4	(4+T)x2,5
Shielded communication wiring		mm²	4x1	4x1	4x1
Refrigerant	Type refrigerant		R-32	R-32	R-32
	Refrigerant charge/supplementary	kg	1.5 / 0.024	2.4 / 0.024	2.4 / 0.024
	Liquid/gas pipe diameter	inch	3/8" / 5/8"	3/8" / 5/8"	3/8" / 5/8"
Working range	Outdoor temperature for cooling min./max.	°C	-15°C / 50°C	-15°C / 50°C	-15°C / 50°C
	Outdoor temperature for heating min./max.	°C	-15°C / 24°C	-15°C / 24°C	-15°C / 24°C

COMPATIBLE CONTROLLERS

Wireless controller

KID-05 S

Wired controller

KCT-02.1 SR

KC-02.1 H

WiFi controller

K03 WIFI LCAC

K01-WIFI

Purification accessories

PCO

For further information, see our Controllers and IAQ range.

Cooling and heating capacity. Cooling and heating input. Energy efficiency: Data for standard conditions. The actual operation conditions depend on the place in which the equipment has been installed and the use made of it.
Sound pressure: Measurement of the sound pressure is taken using a semi-anechoic chamber at a distance of 1 m from the machine.
Power wiring: The power wiring is up to 10 m approximately. It must be calculated more precisely for each installation.
Supplementary charge: The initial factory charge of the machines is valid for the first 5 m (liquid line). For greater distances, a supplementary charge is required, in accordance with the formula 0.012 kg/m × (L-5) in the liquid line is 1/4". For greater diameters, use 0.024 kg/m × (L-5).
Compatible controllers: The units can integrate one of the controllers from the table or the one recommended by Kaysun. For further information regarding compatibility, see the chapter on Controllers.
NOTE: Before installing these units, current legislation regarding refrigerant gases must be consulted.

R-32 REFRIGERANT | ON/OFF CONTACT | SMART HOME | FRESH AIR SUPPLY | DRAINAGE PUMP | AIR INTAKE | HERTZ | COMPATIBLE WITH AIRZONE

SET MODEL			KPDA-71 DTR13 TWIN	KPDA-90 DTR13 TWIN
Indoor unit			2x KPD-71 DR13	2x KPD-90 DR13
Outdoor unit			KUE-140 DTR13	KUE-160 DTR13
Capacity	Cooling rated (min./max.)	kW	2x 7,03 (3.28 / 8.16)	2x 8,79 (2.23 / 9.85)
	Heating rated (min./max.)	kW	2x 7,62 (2.81 / 8.49)	2x 9,38 (2.7 / 10.02)
Cooling input rated (min./max.)		W	4800 (880 / 6000)	5250 (1030 / 6650)
Heating input rated (min./max.)		W	4500 (950 / 5700)	5150 (950 / 6600)
Energy efficiency	SEER - Energy class		6.1 - A++	6.1 - A++
	SCOP - Energy class		4 - A+	4 - A+
Indoor unit	Air flow low/medium/high	m³/h	610 / 930 / 1200	1560 / 1780 / 2060
	Sound pressure low/medium/high	dB(A)	25.5 / 29.1 / 32.8	34.3 / 36.7 / 39.2
	Max. pressure available	Pa	160	160
	Sound power level	dB(A)	62	65
	Width/height/depth	mm	1100 / 249 / 774	1260 / 249 / 774
	Air inlet width/height	mm	926/175	1186/175
	Air outler width/height	mm	1001/228	1261/228
	Net weight	kg	32.3	40.5
	Power supply	V/ph/Hz	With communication	With communication
	Power wiring	mm²	With communication	With communication
	Possibility of vertical installation		Yes	Yes
Outdoor unit	Compressor type		Rotary	Rotary
	Air flow	m³/h	4000	7500
	Sound pressure	dB(A)	63	64
	Sound power level	dB(A)	70	75
	Width/height/depth	mm	946 / 810 / 410	952 / 1333 / 415
	Net weight	kg	80.5	107
	Power supply	V/ph/Hz	380-415/3/50	380-415/3/50
	Power wiring	mm²	(4+T)x2,5	(4+T)x2,5
Shielded communication wiring		mm²	4x1	4x1
Refrigerant	Type refrigerant		R-32	R-32
	Refrigerant charge/supplementary	kg	2.4 / 0.024	3 / 0.024
	Liquid/gas pipe diameter	inch	3/8" / 5/8"	3/8" / 5/8"
Working range	Outdoor temperature for cooling min./max.	°C	-15°C / 50°C	-15°C / 50°C
	Outdoor temperature for heating min./max.	°C	-15°C / 24°C	-15°C / 24°C

COMPATIBLE CONTROLLERS

Wireless controller

KID-05 S

Wired controller

KCT-02.1 SR

KC-02.1 H

WiFi controller

K03 WIFI LCAC

K01-WIFI

Purification accessories

PCO

For further information, see our Controllers and IAQ range.

Cooling and heating capacity. Cooling and heating input. Energy efficiency: Data for standard conditions. The actual operation conditions depend on the place in which the equipment has been installed and the use made of it.
Sound pressure: Measurement of the sound pressure is taken using a semi-anechoic chamber at a distance of 1 m from the machine.
Power wiring: The power wiring is up to 10 m approximately. It must be calculated more precisely for each installation.
Supplementary charge: The initial factory charge of the machines is valid for the first 5 m (liquid line). For greater distances, a supplementary charge is required, in accordance with the formula 0.012 kg/m × (L-5) in the liquid line is 1/4". For greater diameters, use 0.024 kg/m × (L-5).
Compatible controllers: The units can integrate one of the controllers from the table or the one recommended by Kaysun. For further information regarding compatibility, see the chapter on Controllers.
NOTE: Before installing these units, current legislation regarding refrigerant gases must be consulted.

SUPERSLIM CASSETTE 840x840
AXIAL TWINS CURRENT LOOP

KID-05 S
Recommended

KCMI 112
Branch pipe

KPA4-04B 840X840
Recommended panel

SET MODEL			KCISA-71 DTR13 TWIN	KCISA-90 DTR13 TWIN
Indoor unit			2x KCIS-71 DR13	2x KCIS-90 DR13
Outdoor unit			KUE-140 DTR13	KUE-160 DTR13
Capacity	Cooling rated (min./max.)	kW	2x 7,03 (3.3 / 7.91)	2x 8,79 (2.23 / 9.38)
	Heating rated (min./max.)	kW	2x 7,62 (2.81 / 8.94)	2x 9,38 (2.7 / 9.73)
Cooling input rated (min./max.)		W	4650 (800 / 5900)	5000 (980 / 6200)
Heating input rated (min./max.)		W	4580 (900 / 5500)	5550 (1020 / 6700)
Energy efficiency	SEER - Energy class		6.1 - A++	6.1 - A++
	SCOP - Energy class		4 - A+	4 - A+
Indoor unit	Air flow low/medium/high	m³/h	1600 / 1750 / 1900	1650 / 1850 / 2000
	Sound pressure low/medium/high	dB(A)	48 / 50.5 / 52.5	49.5 / 52 / 54.5
	Sound power level	dB(A)	66	66
	Width/height/depth	mm	830 / 287 / 830	830 / 287 / 830
	Net weight	kg	29.3	29.3
	Power supply	V/ph/Hz	With communication	With communication
	Power wiring	mm²	With communication	With communication
Panel	Width/height/depth	mm	950 / 55 / 950	950 / 55 / 950
	Net weight	kg	6	6
Outdoor unit	Compressor type		Rotary	Rotary
	Air flow	m³/h	4000	7500
	Sound pressure	dB(A)	63	64
	Sound power level	dB(A)	70	75
	Width/height/depth	mm	946 / 810 / 410	952 / 1333 / 415
	Net weight	kg	80.5	107
	Power supply	V/ph/Hz	380-415/3/50	380-415/3/50
	Power wiring	mm²	(4+T)x2,5	(4+T)x2,5
Shielded communication wiring		mm²	4x1	4x1
Refrigerant	Type refrigerant		R-32	R-32
	Refrigerant charge/supplementary	kg	2.4 / 0.024	3 / 0.024
	Liquid/gas pipe diameter	inch	3/8" / 5/8"	3/8" / 5/8"
Working range	Outdoor temperature for cooling min./max.	°C	-15°C / 50°C	-15°C / 50°C
	Outdoor temperature for heating min./max.	°C	-15°C / 24°C	-15°C / 24°C

COMPATIBLE CONTROLLERS

Wired controller

KC-03.1 SPS

WiFi controller

K04 WIFI LCAC

K01-WIFI

For further information, see our Controllers range.

Cooling and heating capacity. Cooling and heating input. Energy efficiency: Data for standard conditions. The actual operation conditions depend on the place in which the equipment has been installed and the use made of it.
Sound pressure: Measurement of the sound pressure is taken using a semi-anechoic chamber at a distance of 1 m from the machine.
Power wiring: The power wiring is up to 10 m approximately. It must be calculated more precisely for each installation.
Supplementary charge: The initial factory charge of the machines is valid for the first 5 m (liquid line). For greater distances, a supplementary charge is required, in accordance with the formula 0.012 kg/m × (L-5) in the liquid line is 1/4". For greater diameters, use 0.024 kg/m × (L-5).
Compatible controllers: The units can integrate one of the controllers from the table or the one recommended by Kaysun. For further information regarding compatibility, see the chapter on Controllers.
NOTE: Before installing these units, current legislation regarding refrigerant gases must be consulted.

FLOOR/CEILING
AXIAL TWINS CURRENT LOOP

KID-05 S
Recommended

KCMI 112
Branch pipe

R-32 REFRIGERANT | ON/OFF CONTACT | FOLLOW ME | SMART HOME | HERTZ | DC INVERTER COMPRESSOR | DC INVERTER EXTERNAL FAN

SET MODEL			KPCA-52 DVR13 TWIN	KPCA-52 DTR13 TWIN	KPCA-71 DTR13 TWIN
Indoor unit			2x KPC-52 DR13	2x KPC-52 DR13	2x KPC-71 DR13
Outdoor unit			KUE-105 DVR13	KUE-105 DTR13	KUE-140 DTR13
Capacity	Cooling rated (min./max.)	kW	2x 5,28 (2.71 / 5.86)	2x 5,28 (2.71 / 5.86)	2x 7,03 (3.22 / 7.77)
	Heating rated (min./max.)	kW	2x 5,57 (2.42 / 6.3)	2x 5,57 (2.42 / 6.3)	2x 7,62 (2.72 / 8.29)
Cooling input rated (min./max.)		W	1450 (670 / 2027)	1450 (670 / 2027)	2300 (747 / 2930)
Heating input rated (min./max.)		W	1500 (540 / 1640)	1500 (540 / 1640)	2050 (650 / 2850)
Energy efficiency	SEER - Energy class		6.1 - A++	6.1 - A++	6.1 - A++
	SCOP - Energy class		4 - A+	4 - A+	4 - A+
Indoor unit	Air flow low/medium/high	m³/h	723 / 839 / 958	723 / 839 / 958	853 / 1023 / 1192
	Sound pressure low/medium/high	dB(A)	37 / 41 / 44	37 / 41 / 44	43 / 47 / 51
	Sound power level	dB(A)	59	59	55
	Width/height/depth	mm	1068 / 235 / 675	1068 / 235 / 675	1068 / 235 / 675
	Net weight	kg	28	28	28
	Power supply	V/ph/Hz	With communication	With communication	With communication
	Power wiring	mm²	With communication	With communication	With communication
Outdoor unit	Compressor type		Rotary	Rotary	Rotary
	Air flow	m³/h	3800	4000	4000
	Sound pressure	dB(A)	62	63	63
	Sound power level	dB(A)	70	70	70
	Width/height/depth	mm	946 / 810 / 410	946 / 810 / 410	946 / 810 / 410
	Net weight	kg	52.8	66.9	80.5
	Power supply	V/ph/Hz	220-240/1/50	380-415/3/50	380-415/3/50
	Power wiring	mm²	(2+T)x4	(4+T)x2,5	(4+T)x2,5
Shielded communication wiring		mm²	4x1	4x1	4x1
Refrigerant	Type refrigerant		R-32	R-32	R-32
	Refrigerant charge/supplementary	kg	2.4 / 0.024	2.4 / 0.024	2.4 / 0.024
	Liquid/gas pipe diameter	inch	3/8" / 5/8"	3/8" / 5/8"	3/8" / 5/8"
Working range	Outdoor temperature for cooling min./max.	°C	-15°C / 50°C	-15°C / 50°C	-15°C / 50°C
	Outdoor temperature for heating min./max.	°C	-15°C / 24°C	-15°C / 24°C	-15°C / 24°C

COMPATIBLE CONTROLLERS

Wired controller

KC-03.1 SPS

WiFi controller

K03 WIFI LCAC

K01-WIFI

For further information, see our Controllers range.

Cooling and heating capacity. Cooling and heating input. Energy efficiency: Data for standard conditions. The actual operation conditions depend on the place in which the equipment has been installed and the use made of it.
Sound pressure: Measurement of the sound pressure is taken using a semi-anechoic chamber at a distance of 1 m from the machine.
Power wiring: The power wiring is up to 10 m approximately. It must be calculated more precisely for each installation.
Supplementary charge: The initial factory charge of the machines is valid for the first 5 m (liquid line). For greater distances, a supplementary charge is required, in accordance with the formula 0.012 kg/m × (L-5) in the liquid line is 1/4". For greater diameters, use 0.024 kg/m × (L-5).
Compatible controllers: The units can integrate one of the controllers from the table or the one recommended by Kaysun. For further information regarding compatibility, see the chapter on Controllers.
NOTE: Before installing these units, current legislation regarding refrigerant gases must be consulted.

REFERENCES. KEY INSTALLATIONS

ESTORIL PORSCHE CENTER
SERVICE CENTER

Location: Autódromo de Estoril (Portugal)
Initial situation: New construction
Units installed: Residential Suite / Zen Comercial
Capacity: 26,4 kW


service center

ZEN
High Capacity Commercial Range

ZEN

High Capacity Commercial Range

ZEN
High Capacity Commercial Range

HIGH CAPACITY FRONT AIR DISCHARGE

The units with high-capacity ducting have been designed to provide maximum performance with large airflows.

R-410A REFRIGERANT · DC INVERTER COMPRESSOR · DC INVERTER EXTERNAL FAN · DC INVERTER INTERNAL FAN · COMPATIBLE WITH AIRZONE

Power kW: 22.4 · 28

HIGH PRESSURE FRONT AIR DISCHARGE

The high-capacity ducting units are designed to provide enhanced airflows and achieve high static air pressure.

R-410A REFRIGERANT · DC INVERTER COMPRESSOR · DC INVERTER EXTERNAL FAN · DC INVERTER INTERNAL FAN · COMPATIBLE WITH AIRZONE

Power kW: 20 · 25 · 28 · 40 · 45

HIGH PRESSURE TOP AIR DISCHARGE

One of the main advantages on the top air discharge outdoors is the option for indoor installation, thanks to the 60 Pa static pressure fans. It is worth noting that the true length of piping can reach up to 175 m.

R-410A REFRIGERANT · DC INVERTER COMPRESSOR · DC INVERTER EXTERNAL FAN · DC INVERTER INTERNAL FAN · COMPATIBLE WITH AIRZONE

Power kW 28 40 45 56

WATER CONDENSED

The water-condensed units are excellent for placing the unit anywhere and provide high energy efficiency thanks to the type of condensation.

R-410A REFRIGERANT · DC INVERTER COMPRESSOR · DC INVERTER INTERNAL FAN · COMPATIBLE WITH AIRZONE

Power kW 28 56

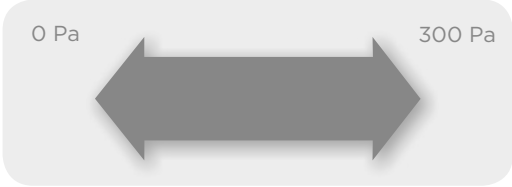
ZEN. High Capacity Commercial Range

The Kaysun range of high-capacity ducted systems is ideal for the climate control of large areas, as it provides high cooling power and available pressures of up to 300 Pa, in conjunction with high air flows. Thanks to the wide variety of outdoor units, it can also be adapted to any type of installation in an ideal manner.

→ Outdoor unit typology

Up to three different types of outdoor unit for high-capacity ducting can be found, and thus perfect adaptation to installations of any nature is possible.

→ High static pressure



The Kaysun high-pressure ducting systems have a higher static pressure of up to 200 Pa to cover long ducting runs, which provide greater installation flexibility and precise climate control, even in rooms with high ceilings.

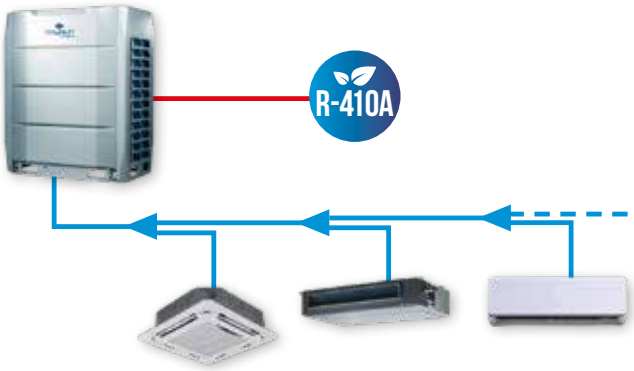
WiFi

It is possible to control Kaysun units via a tablet or smartphone as an option. The units can be managed remotely and they even have a weekly programmer.

Replace technology

As the existing piping is reused, the installation time is reduced and limiting the impact and any negative effects for the environment.

frigicoll

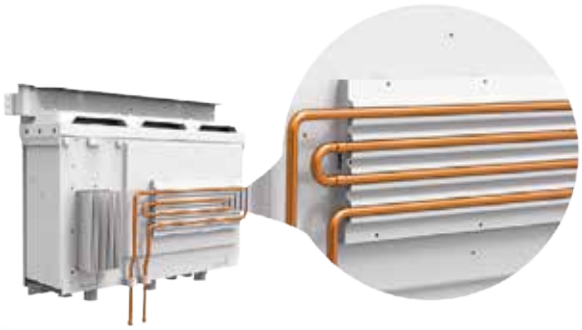


Refrigerant automatic charging system

Through the automatic charging system, all that is necessary is for the refrigerant pump to be connected to the outdoor unit and it will automatically select the gas charge necessary for optimum performance

Energy efficiency

The indoor units use DC fans that constantly adapt operation and consumption to the needs of the installation, seeking maximum energy efficiency at all times.



High reliability

The Kaysun s6 outdoor series features control board cooling with a multi-tube refrigerant system to guarantee a stable temperature for the control board and IPM.

Outdoor air intake

The possibility to supply outdoor air directly to the unit (up to 15% of the rated flow), in order to keep the indoor environment fresh and healthy.

All DC Inverter

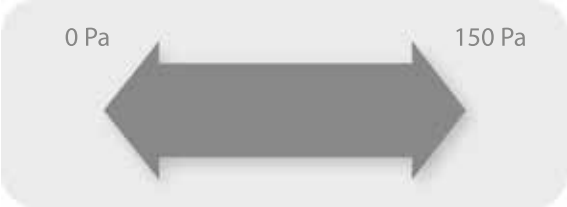
The DC Inverter compressors regulate the capacity of the unit at all times and allow energy saving, while providing greater comfort for the user. The DC fans, which feature low consumption and high efficiency, adapt their velocity with precision whenever the unit is running.

HIGH CAPACITY FRONT AIR DISCHARGE

Outdoor units with front discharge require little space for installation and maintenance. They are fitted with Twin DC Rotary Inverter Compressors in order to achieve high performance. The compatible duct units enjoy high airflow and available pressure of up to 150 Pa.

➔ High available pressure

The static pressure in some models with ducting reaches 150 Pa in order to provide sufficient pressure and thus obtain the ideal airflow for all outlet panels.



➔ WiFi

These units have the option of WiFi control via smartphone or tablet, making it easy and convenient to control the unit from anywhere.

➔ High-efficiency compressors

The compressors used in these outdoor units are Twin Rotary Inverter models. These compressors feature high efficiency, minimum vibration and high stability.

KCT-02.1 SR
Recommended

R-410A REFRIGERANT | DC INVERTER COMPRESSOR | DC INVERTER EXTERNAL FAN | COMPATIBLE WITH AIRZONE

SET MODEL			KPDH-224F DN10	KPDH-280F DN10
Indoor unit			KPDH 224 DN10	KPDH 280 DN10
Outdoor unit			KUE 224 DN10	KUE 280 DN10
Capacity	Cooling rated	kW	22.4	28
	Heating rated	kW	24.5	31.5
	Heating rated at -7°C	kW	17.5	22.05
Cooling input rated		W	7200	9000
Heating input rated		W	6600	8500
Heating input rated at -7°C		W	5020	6460
Energy efficiency	SEER		4.78	4.77
	SCOP		3.48	3.48
	COP -7°C		3.41	3.41
Indoor unit	Air flow low/high	m³/h	3000 / 4800	3000 / 4800
	Sound pressure low/high	dB(A)	49 / 52	49 / 52
	Max. pressure available	Pa	150	150
	Width/height/depth	mm	1470 / 512 / 775	1470 / 512 / 775
	Net weight	kg	83	83
	Power supply	V/ph/Hz	220/1/50	220/1/50
	Power wiring	mm²	3x2,5	3x2,5
Outdoor unit	Compressor type		Rotary	Rotary
	Air flow	m³/h	9400	9800
	Sound pressure	dB(A)	58	59
	Width/height/depth	mm	1120 / 1558 / 528	1120 / 1558 / 528
	Net weight	kg	147	148
	Power supply	V/ph/Hz	380/3/50	380/3/50
	Power wiring	mm²	5x6	5x6
Shielded communication wiring		mm²	3x0,75	3x0,75
Refrigerant	Type refrigerant		R-410A	R-410A
	Refrigerant charge	kg	7.2	7.2
	Liquid/gas pipe diameter	inch	3/8" / 1"	3/8" / 1"
	Piping max. length total/vertical	m	50 / 30	50 / 30
Working range	Outdoor temperature for cooling min./max.	°C	-15°C / 48°C	-15°C / 48°C
	Outdoor temperature for heating min./max.	°C	-15°C / 24°C	-15°C / 24°C

COMPATIBLE CONTROLLERS

WiFi controller

K01-WIFI

Purification accessories

PCO

For further information, see our Controllers and IAQ range.

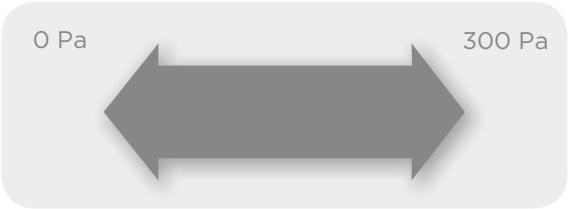
Cooling and heating capacity. Cooling and heating input. Energy efficiency: Rated conditions: Cooling 27°C BS/19°C BH indoor, 35°C BS outdoor. Heating 20°C BS indoor, 7°C BS/6°C BH outdoor. Piping length 7.5 m, Height 0 m.
Sound pressure: Measurement of the sound pressure is taken using a semi-anechoic chamber at a distance of 1 m from the machine at a height of 1.3 m.
Power wiring: The power wiring is up to 10 m approximately. It must be calculated more precisely for each installation.
Refrigerant charge: This is the amount of refrigerant that has been charged in the unit. In order to apply a supplementary charge, it is necessary to use the formula from the technical manual.
Liquid/gas pipe diameter. Piping height difference/Vertical piping max. length: For lengths greater than 45 m, the diameter must be discussed with the technical department.
Compatible controllers: The units can integrate one of the controllers from the table or the one recommended by Kaysun. For further information regarding compatibility, see the chapter on Controllers.
NOTE: Before installing these units, current legislation regarding refrigerant gases must be consulted.

HIGH PRESSURE FRONT AIR DISCHARGE

Outdoor units with front discharge require little space for installation and maintenance. They are fitted with Twin DC Rotary Inverter Compressors in order to achieve high performance. Regarding indoors, they enjoy high air flow and available pressure of up to 300 Pa.

➔ High available pressure

The Kaysun high-pressure piping systems feature a high static pressure of up to 300 Pa to cover long ducting runs, which provides greater installation flexibility and precise climate control, even in rooms with high ceilings.



➔ Low space requirements for installation

These units, as they feature front air discharge, do not need much space for unit installation and maintenance.

➔ High-efficiency compressors

The compressors used in these outdoor units are Twin Rotary Inverter models. These compressors feature high efficiency, minimum vibration and high stability.

KCT-03 SR
Recommended

R-410A REFRIGERANT | DC INVERTER COMPRESSOR | DC INVERTER EXTERNAL FAN | DC INVERTER INTERNAL FAN | COMPATIBLE WITH AIRZONE

SET MODEL			KPDHF-200F DN2	KPDHF-250F DN2	KPDHF-280F DN2	KPDHF-400F DN3	KPDHF-450F DN3
Indoor unit			KPDHF-200 DN4.0	KPDHF-250 DN4.0	KPDHF-280 DN4.0	KPDHF-400 DN4.0	KPDHF-450 DN4.0
Outdoor unit			KMF-200 DN4	KMF-260 DN4	KMF-280 DN4	KMF-400 DN3	KMF-450 DN3
Capacity	Cooling rated (min./max.)	kW	20 (10 / 21.1)	26 (13 / 27.5)	28.5 (13 / 27.5)	40 (20 / 42.3)	45 (22.5 / 47.6)
	Heating rated (min./max.)	kW	22.5 (11 / 26.1)	28.5 (14.3 / 33.7)	31.5 (14.3 / 33.7)	45 (22.5 / 53.3)	50 (25 / 59.2)
	Heating rated at -7°C	kW	21.57	27.32	30.2	33	43.1
Cooling input rated		W	4900	6830	9630	19420	19650
Heating input rated		W	6590	6670	7430	14960	15300
Heating input rated at -7°C		W	7300	9440	10710	16980	19220
Energy efficiency	SEER		7.11	6.55	6.35	5.6	5.1
	SCOP		3.95	4.53	4.6	3.7	3.6
	COP -7°C		2.63	2.89	2.8	1.94	2.24
Indoor unit	Air flow 7 speeds	m³/h	3745 / 3837 / 3941 / 4043 / 4144 / 4237 / 4358	3745 / 3837 / 3941 / 4043 / 4144 / 4237 / 4358	3745 / 3837 / 3941 / 4043 / 4144 / 4237 / 4358	4400 / 4750 / 5100 / 5450 / 5800 / 6150 / 6500	4400 / 4750 / 5100 / 5450 / 5800 / 6150 / 6500
	Sound pressure 7 speeds	dB(A)	50 / 52 / 53 / 54 / 55 / 56 / 57	50 / 52 / 53 / 54 / 55 / 56 / 57	50 / 52 / 53 / 54 / 55 / 56 / 57	49 / 51 / 53 / 54 / 55 / 56 / 57	49 / 51 / 53 / 54 / 55 / 56 / 57
	Max. pressure available	Pa	250	250	250	300	300
	Width/height/depth	mm	1440 / 505 / 925	1440 / 505 / 925	1440 / 505 / 925	2010 / 680 / 905	2010 / 680 / 905
	Net weight	kg	130	130	130	210	210
	Power supply	V/ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
	Power wiring	mm²	(2+T)x4	(2+T)x4	(2+T)x4	(2+T)x4	(2+T)x4
Outdoor unit	Compressor type		Rotary Inverter	Rotary Inverter	Rotary Inverter	Rotary Inverter (2)	Rotary Inverter (2)
	Air flow	m³/h	9000	10000	11000	16575	16575
	Sound pressure	dB(A)	58	59	60	62	62
	Width/height/depth	mm	1120 / 1558 / 528	1120 / 1558 / 528	1120 / 1558 / 528	1360 / 1650 / 540	1460 / 1650 / 540
	Net weight	kg	143	143	143	250	280
	Power supply	V/ph/Hz	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50
	Power wiring	mm²	(4+T)x6	(4+T)x6	(4+T)x6	(4+T)x16	(4+T)x16
Shielded communication wiring		mm²	3x0,75	3x0,75	3x0,75	3x0,75	3x0,75
Refrigerant	Type refrigerant		R-410A	R-410A	R-410A	R-410A	R-410A
	Refrigerant charge	kg	6.5	6.5	6.5	9	12
	Liquid/gas pipe diameter	inch	3/8" / 3/4"	3/8" / 7/8"	3/8" / 7/8"	1/2" / 1"	1/2" / 1"
	Piping max. length total/vertical	m	50 / 25	50 / 25	50 / 25	120 / 30	120 / 30
Working range	Outdoor temperature for cooling min./max.	°C	-5°C / 48°C	-5°C / 48°C	-5°C / 48°C	-15°C / 46°C	-15°C / 46°C
	Outdoor temperature for heating min./max.	°C	-20°C / 24°C	-20°C / 24°C	-20°C / 24°C	-15°C / 24°C	-15°C / 24°C

COMPATIBLE CONTROLLERS

Wireless controller

KI-04 S

Wired controller

KCT-03 SRPS (A)

WiFi controller

K01-WIFI

Purification accessories

PCO

For further information, see our Controllers and IAQ range.

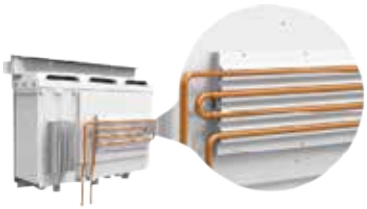
Cooling and heating capacity. Cooling and heating input. Energy efficiency: Rated conditions: Cooling 27°C BS/19°C BH indoor, 35°C BS outdoor. Heating 20°C BS indoor, 7°C BS/6°C BH outdoor. Piping length 7.5 m, Height 0 m.
Sound pressure: Measurement of the sound pressure is taken using a semi-anechoic chamber at a distance of 1 m from the machine at a height of 1.3 m.
Power wiring: The power wiring is up to 10 m approximately. It must be calculated more precisely for each installation.
Refrigerant charge: This is the amount of refrigerant that has been charged in the unit. In order to apply a supplementary charge, it is necessary to use the formula from the technical manual.
Liquid/gas pipe diameter. Piping height difference/Vertical piping max. length: For lengths greater than 45 m, the diameter must be discussed with the technical department.
Compatible controllers: The units can integrate one of the controllers from the table or the one recommended by Kaysun. For further information regarding compatibility, see the chapter on Controllers.
NOTE: Before installing these units, current legislation regarding refrigerant gases must be consulted.

HIGH PRESSURE TOP AIR DISCHARGE

The new generation of Kaysun Full DC Inverter outdoor units. These units bring together the most efficient and advanced technologies available for air conditioning equipment in order to provide customers with a climate control system with great cooling capacity, high reliability and increased efficiency. Thanks to the fans in the outdoor unit, which provide up to 60 Pa of available pressure, indoor installation is easier to carry out.

➔ High reliability

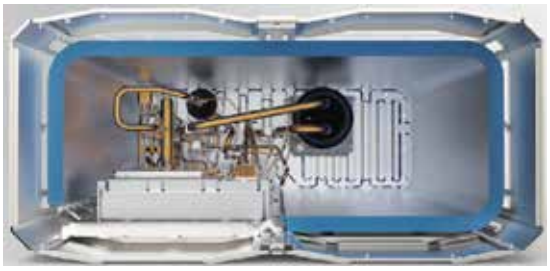
The outdoor units in these systems feature control board cooling with a multi-pipe refrigerant system to guarantee a stable temperature for the control board and IPM. The units also have a function which automatically detects the refrigerant level.



Detecting

➔ High efficient EVI compressor

Thanks to the Scroll DC Inverter compressor with vapour injection (EVI), the heating efficiency is increased by 26% in ambient temperatures of -15°C, and 10% in cooling in temperatures of 43°C.



➔ High efficiency

The outdoor units in the range feature a highly efficient heat exchanger with up to 3 passes, with an increase in indoor tube diameter of 8 mm for better thermal exchange.

KCT-03 SR
Recommended

R-410A REFRIGERANT | DC INVERTER COMPRESSOR | DC INVERTER EXTERNAL FAN | DC INVERTER INTERNAL FAN | COMPATIBLE WITH AIRZONE

SET MODEL			KPDHF-280V DN4 S	KPDHF-400V DN4 S	KPDHF-450V DN4 S	KPDHF-560V DN4 S
Indoor unit			KPDHF-280 DN4.0	KPDHF-400 DN4.0	KPDHF-450 DN4.0	KPDHF-560 DN4.0
Outdoor unit			K2UF-280 DN4 S	K2UF-400 DN4 S	K2UF-450 DN4 S	K2UF-560 DN4 S
Capacity	Cooling rated (min./max.)	kW	28 (14.1 / 30.2)	40 (20.2 / 43.1)	45 (22.7 / 48.5)	56 (28.3 / 60.4)
	Heating rated (min./max.)	kW	30.2 (14.04 / 36.34)	45 (20.06 / 51.92)	50 (22.57 / 58.41)	63 (28.02 / 72.69)
	Heating rated at -7°C	kW	25.9	43	48	60
Cooling input rated		W	10680	15370	20960	34220
Heating input rated		W	8830	13630	16580	19210
Heating input rated at -7°C		W	11100	17120	20830	24140
Energy efficiency	SEER		6.44	6.31	5.58	5.38
	SCOP		4.1	3.81	4.06	4.31
	COP -7°C		2.33	2.52	2.3	2.5
Indoor unit	Air flow 7 speeds	m³/h	3745 / 3837 / 3941 / 4043 / 4144 / 4237 / 4358	4400 / 4750 / 5100 / 5450 / 5800 / 6150 / 6500	4400 / 4750 / 5100 / 5450 / 5800 / 6150 / 6500	5000 / 5400 / 5800 / 6200 / 6600 / 7000 / 7400
	Sound pressure 7 speeds	dB(A)	50 / 52 / 53 / 54 / 55 / 56 / 57	49 / 51 / 53 / 54 / 55 / 56 / 57	49 / 51 / 53 / 54 / 55 / 56 / 57	51 / 53 / 55 / 56 / 57 / 58 / 59
	Max. pressure available	Pa	250	300	300	300
	Width/height/depth	mm	1440 / 505 / 925	2010 / 680 / 905	2010 / 680 / 905	2010 / 680 / 905
	Net weight	kg	130	210	210	218
	Power supply	V/ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
	Power wiring	mm²	(2+T)x4	(2+T)x4	(2+T)x4	(2+T)x4
Outdoor unit	Compressor type		Scroll Inverter	Scroll Inverter	Scroll Inverter	Scroll Inverter
	Air flow	m³/h	11000	13000	13000	17000
	Static pressure	Pa	60	60	60	60
	Sound pressure	dB(A)	58	62	65	66
	Width/height/depth	mm	990 / 1635 / 790	1340 / 1635 / 850	1340 / 1635 / 850	1340 / 1635 / 825
	Net weight	kg	227	277	277	348
	Power supply	V/ph/Hz	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50
	Power wiring	mm²	(4+T)x6	(4+T)x10	(4+T)x10	(4+T)x16
Shielded communication wiring		mm²	3x0,75	3x0,75	3x0,75	3x0,75
Refrigerant	Type refrigerant		R-410A	R-410A	R-410A	R-410A
	Refrigerant charge	kg	11	13	13	17
	Liquid/gas pipe diameter	inch	1/2" / 1"	1/2" / 1 1/8"	1/2" / 1 1/8"	5/8" / 1 1/8"
	Piping max. length total/vertical	m	175 / 90	175 / 90	175 / 90	175 / 90
Working range	Outdoor temperature for cooling min./max.	°C	-15°C / 48°C	-15°C / 48°C	-15°C / 48°C	-15°C / 48°C
	Outdoor temperature for heating min./max.	°C	-20°C / 27°C	-20°C / 27°C	-20°C / 27°C	-20°C / 27°C

COMPATIBLE CONTROLLERS

Wireless controller

KI-04 S

Wired controller

KCT-03 SRPS (A)

WiFi controller

K01-WIFI

Purification accessories

PCO

For further information, see our Controllers and IAQ range.

Cooling and heating capacity. Cooling and heating input. Energy efficiency: Rated conditions: Cooling 27°C BS/19°C BH indoor, 35°C BS outdoor. Heating 20°C BS indoor, 7°C BS/6°C BH outdoor. Piping length 7.5 m, Height 0 m.
Sound pressure: Measurement of the sound pressure is taken using a semi-anechoic chamber at a distance of 1 m from the machine at a height of 1.3 m.
Power wiring: The power wiring is up to 10 m approximately. It must be calculated more precisely for each installation.
Refrigerant charge: This is the amount of refrigerant that has been charged in the unit. In order to apply a supplementary charge, it is necessary to use the formula from the technical manual.
Liquid/gas pipe diameter. Piping height difference/Vertical piping max. length: For lengths greater than 45 m, the diameter must be discussed with the technical department.
Compatible controllers: The units can integrate one of the controllers from the table or the one recommended by Kaysun. For further information regarding compatibility, see the chapter on Controllers.
NOTE: Before installing these units, current legislation regarding refrigerant gases must be consulted.

WATER CONDENSED

The water-condensed external units are an ideal solution to cover the climate control needs for medium and large premises. All the units are equipped with high-efficiency Scroll DC Inverter compressors and, as they are water-condensed units, they feature a high degree of energy efficiency.

➔ High-efficiency Scroll DC Inverter compressor

The water-condensed outdoor units are equipped with a Scroll DC Inverter compressor which regulates the unit capacity at all times, saving energy and providing maximum comfort for the user.

➔ Low sound levels

Thanks to the absence of fans on the outdoor units, the sound level is significantly reduced and installation is possible in indoors thanks to the use of water as the heat exchange method.

➔ High-efficiency condenser

The condenser in these units is of the cross airflow tube-in-tube type. It features a large water circulation area in order to prevent blockages, which provides great reliability and extraordinary ease of maintenance.

KCT-03 SR
Recommended

R-410A REFRIGERANT | DC INVERTER COMPRESSOR | DC INVERTER INTERNAL FAN | COMPATIBLE WITH AIRZONE

SET MODEL			KPDHF-280W DN3	KPDHF-560W DN3
Indoor unit			KPDHF-280 DN4.0	KPDHF-560 DN4.0
Outdoor unit			K2F-280 DN3W	2x K2F-280 DN3W
Capacity	Cooling rated (min./max.)	kW	28 (14.1 / 29.6)	56 (14.1 / 59.2)
	Heating rated (min./max.)	kW	31.5 (17 / 32.9)	63 (18 / 65.8)
Cooling input rated		W	7300	14472
Heating input rated		W	7030	13932
Indoor unit	Air flow 7 speeds	m³/h	3745 / 3837 / 3941 / 4043 / 4144 / 4237 / 4358	5000 / 5400 / 5800 / 6200 / 6600 / 7000 / 7400
	Sound pressure 7 speeds	dB(A)	50 / 52 / 53 / 54 / 55 / 56 / 57	51 / 53 / 55 / 56 / 57 / 58 / 59
	Max. pressure available	Pa	250	300
	Width/height/depth	mm	1440 / 505 / 925	2010 / 680 / 905
	Net weight	kg	130	218
	Power supply	V/ph/Hz	220-240/1/50	220-240/1/50
	Power wiring	mm²	(2+T)x4	(2+T)x4
Outdoor unit	Compressor type		Scroll Inverter	Scroll Inverter
	Sound pressure	dB(A)	52	52
	Width/height/depth	mm	780 / 1000 / 550	2x 780 / 1000 / 550
	Net weight	kg	146	2x 146
	Power supply	V/ph/Hz	380-415/3/50	380-415/3/50
	Power wiring	mm²	(4+T)x6	2x ((4+T)x6)
Shielded communication wiring		mm²	3x0,75	2x (3x0,75)
Refrigerant	Type refrigerant		R-410A	R-410A
	Refrigerant charge	kg	2	2x 2
	Liquid/gas pipe diameter	inch	1/2" / 7/8"	5/8" / 1 1/8"
	Piping max. length total/vertical	m	150 / 50	150 / 50
Working range	Water inlet temperature min./max.	°C	7°C / 45°C	7°C / 45°C

COMPATIBLE CONTROLLERS

Wireless controller	Wired controller	WiFi controller	Purification accessories
			
KI-04 S	KCT-03 SRPS (A)	K01-WIFI	PCO

For further information, see our Controllers and IAQ range.

Cooling and heating capacity. Cooling and heating input: Rated conditions: Cooling 27°C BS/19°C BH indoor, 35°C BS water temperature. Heating 20°C BS indoor, 7°C BS/6°C BH water temperature. Piping length 5 m, Height 0 m.
Sound pressure: Measurement of the sound pressure is taken using a semi-anechoic chamber at a distance of 1 m from the machine at a height of 1.3 m.
Power wiring: The power wiring is up to 10 m approximately. It must be calculated more precisely for each installation.
Refrigerant charge: This is the amount of refrigerant that has been charged in the unit. In order to apply a supplementary charge, it is necessary to use the formula from the technical manual.
Liquid/gas pipe diameter. Piping height difference/Vertical piping max. length: For lengths greater than 90 m, the diameter must be discussed with the technical department.
Compatible controllers: The units can integrate one of the controllers from the table or the one recommended by Kaysun. For further information regarding compatibility, see the chapter on Controllers.
NOTE: Before installing these units, current legislation regarding refrigerant gases must be consulted.
The overall recommended retail price of the KPDHF-560W DN3 includes the connection kit.

REFERENCES. KEY INSTALLATIONS

The **HIGH-CAPACITY ZEN RANGE** for commercial applications offers multiple installation possibilities that are highly energy-efficient and environmentally friendly. High-capacity equipment is notable for its ability to provide comfort to premises that require large airflows.

VOLKSWAGEN
DEALERSHIP

Location: Cabrera de Mar (Spain)
Units installed: High Capacity Zen

OTHER CUSTOMERS THAT HAVE TRUSTED KAYSUN **ZEN**

HOTELS, PUBLIC BUILDINGS HOSPITALS, HEALTH CLINICS AND CENTRES

Autism Association of Jeréz (Cádiz), Joan XXIII Hospital (Tarragona), Salamanca Hospital (Salamanca), Sagrado Corazón Health Clinic (Madrid), Museum of Oil (Jaén), Depentya Foundation (Seville), Nuevo Arcangel Football Stadium (Córdoba)

PRIVATE RESIDENCES

Residential Complex (Vera), Alpe Property Developments (Tortosa), 134 private residences in East Seville (Seville), Mercainmo Property Developments (Lleida), Residential Complex (Marbella), 503 private residences in Bekinsa Residential Complex (Seville), Las Brisas Hotel (Llanes)

BUSINESS CENTRES AND OFFICES

Navarrete Offices (La Rioja), Eder Epele offices (Guipúzcoa), Greg Business Centre (Barcelona), Trade Fair (Valladolid), Electric Rooms-Asturiana del Zinz S.A.U. (Asturias), Galvanizados Avilés offices (Avilés), Retevisión Valladolid (Valladolid), Eiffage Energy offices (Ávila), Acofarma offices (Terrassa), Jordi Verna offices (Granollers), Banca March offices (Mallorca), Carrefour offices (Málaga), Barceló Market (Madrid), Day SWRO Desalination offices (Marruecos), Caja Rural Zamora bank offices (Zamora)

RESTAURANTS

100 Montaditos Brewery (Córdoba), Vermut Rofes Restaurants (Reus), La Sureña Brewery (Córdoba), WOK Restaurant (Cáceres)

COMMERCIAL BUILDING

Unity Skates shop (Zaragoza), Lecrerc Mall (Málaga), Confecciones Rubio clothes shop (Cádiz, Seville and Córdoba), Aurgi (Madrid), Toyota authorised dealer (Oviedo), Stradivarius (Manresa), Vitaldent dental clinic (different locations), Lacoste (Vilagarcía de Arousa), Lowfit Gym (Seville), Basic Fit Gym (Madrid) , Alimerka Supermarkets (León)

ENCUENTRO
FASHION STORES

Location: Madrid and Seville (Spain)
Units installed: High Capacity Zen
Capacity: 100 kW

BASIC FIT
GYM

Location: Madrid (Spain)
Units installed: High Capacity Zen
Capacity: 140 kW

AMAZON
Industrial VRF Range

AMAZON

Industrial VRF Range

AMAZON
Outdoor Units

➔ 2 PIPES

MINI AMAZON (SINGLE-PHASE/THREE-PHASE)

Units requiring little installation space which cannot be combined; featuring Full DC Inverter technology. Available for single-phase or three-phase power supply, and with a capacity for up to 18 indoor units.

R-410A REFRIGERANT · CONDENSATION CONTROL · DC INVERTER COMPRESSOR · DC INVERTER EXTERNAL FAN

Power kW: 8 · 10.5 · 12 · 14 · 16 · 18

AMAZON UNITARIO III FRONT AIR DISCHARGE

Individual systems with front air discharge. Full DC Inverter units with up to 2 compressors, with capacities available from 20 to 45 kW. Their main advantage is the little space required for installation.

R-410A REFRIGERANT · CONDENSATION CONTROL · DC INVERTER COMPRESSOR · DC INVERTER EXTERNAL FAN

Power kW: 20 · 22.4 · 26 · 28 · 33.5 · 40 · 45

AMAZON UNITARIO TOP AIR DISCHARGE

Non combinable outdoor units, with all the advantages of a s6 unit in individual format. Capacities of up to 90 kW in a single module, featuring all Kaysun technological advances.

R-410A REFRIGERANT · CONDENSATION CONTROL · DC INVERTER COMPRESSOR · DC INVERTER EXTERNAL FAN

Power kW: 28 · 33.5 · 40 · 45 · 50 · 56 · 61.5 · 67 · 73 · 78.5 · 85 · 90

AMAZON V

The new Amazon V Full DC Inverter outdoor units have been designed to achieve high efficiency and increased energy saving. Their chief attributes include great reliability, high degree of adaptability, smart control and impressive capacities.

R-410A REFRIGERANT · MODULAR · CONDENSATION CONTROL · DC INVERTER COMPRESSOR · DC INVERTER EXTERNAL FAN

Power kW: 25.2 · 28 · 33.5 · 40 · 45 · 56 · 61.5 · 67 · 73 · 78.5 · 85 · 90

AMAZON W

Water-condensed VRF modular system Highly compact, efficient unit which allows cooling powers of up to 100.5 kW.

R-410A REFRIGERANT · MODULAR · DC INVERTER COMPRESSOR

Power kW: 28 · 33.5

➔ 3 PIPES

AMAZON IV HR

The new heat recovery unit (3-pipe) allows cold and heat to be produced simultaneously, in addition to domestic hot water (up to 80°C). Thanks to advanced technology, according to certified EUROVENT data SEER performance of up to 7.7 can be achieved, placing them as leaders among this type of unit.

R-410A REFRIGERANT · MODULAR · CONDENSATION CONTROL · DC INVERTER COMPRESSOR · DC INVERTER EXTERNAL FAN

Power kW: 25.2 · 28 · 33.5 · 40 · 45 · 50

AMAZON. Outdoor Units

Variable flow systems are the most versatile for medium and large installations, thanks to their innovative technology, wide range of cooling powers and the long possible lengths of piping. Units of this type provide outstanding energy efficiency, thanks to the use of Inverter technology in the compressors and DC fans, which are capable of varying the cooling capacity delivered in order to adapt it to the needs of each of the indoor units.

➔ Different outdoor unit typologies

Kaysun employs several types of outdoor unit: from cooling powers of 8 kW in the Mini Amazon to s6 modular units capable of reaching 360 kW on a single cooling circuit. The range also offers air or water-condensed heat pumps and 3-pipe heat recovery systems, capable of providing cold and heat simultaneously in the new Amazon IV HR series.

2 PIPES

Mini Amazon

Amazon Unitario III
Front Air Discharge

Amazon Unitario
Top Air Discharge

Amazon V

Amazon III W

3 PIPES

Amazon IV HR

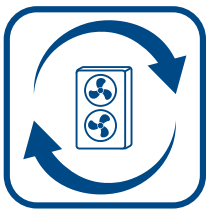
➔ Versatility of indoor units

The possibilities of the indoor units are endless, not only for the different models available, but also for their power range, which is so wide that it covers from 1.7 kW to 56 kW and can cover the installation of up to 64 indoor units on the same cooling circuit. The independent control of indoor units allows each user to choose its own comfort level without interfering with the rest of users.




➔ High-efficiency DC Inverter technology

All outdoor units work with high-efficiency DC Inverter compressors. The type of compressor used on each machine depends on the range and may be twin rotary or Scroll type.



➔ Replace technology

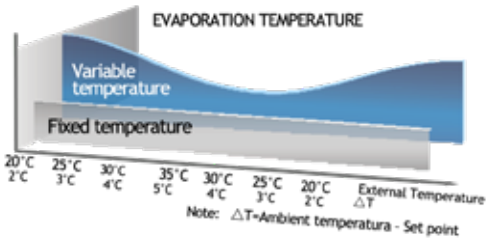
Keeping the existing piping, installation time is reduced. They contribute towards limiting impact and any negative effects for the environment.

➔ Refrigerant level control

Real-time control over refrigerant levels. The temperature and pressure of the refrigerant can be monitored by the outdoor unit.

➔ High reliability

The Amazon V outdoor units feature control board cooling with a multi-tube refrigerant system to guarantee a stable temperature for the control board and IPM.



➔ Variable evaporation temperature

Variable evaporation temperature (for cooling) and condensation temperature (for heating) vary automatically in accordance with the indoor and outdoor temperature in order to maximise energy efficiency and improve consumption.

MINI AMAZON

Outdoor units designed to use in homes and small businesses, our Mini Amazon III/ Mini Amazon II range, with single and three-phase power supply, DC Inverter compressor, compact size and wide range of indoor units compatibility, is one of the all-purpose options from our catalogue.

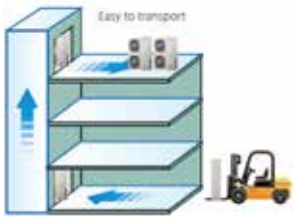
➔ Up to 23% more compact

With a single fan, the Mini Amazon III outdoor units are an ideal option for those installations where available space is limited.

150 %

➔ Simultaneous connection ratio of 150%

All outdoor units in the range allow up to 150% simultaneous connection ratio in terms of capacity of the connected indoor units.

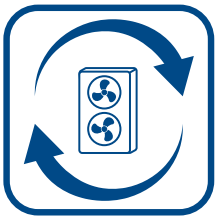


➔ Flexible installation

Easier to position and transport, allowing savings in installation time and transport costs.

➔ More complete control

There are several types of compatible controllers. The systems can be integrated in BMS systems (KNX, Bacnet, etc.) or even in centralised controllers.



➔ Replace Technology

In retaining the existing cooling connections, installation time is reduced. They contribute towards limiting impact and any possible negative effects for the environment.

frigicoll

R-410A REFRIGERANT | CONDENSATION CONTROL | DC INVERTER COMPRESSOR | DC INVERTER EXTERNAL FAN

OUTDOOR UNIT MODEL			KMF-80 DVN4	KMF-105 DVN4	KMF-120 DVN4	KMF-140 DVN4	KMF-160 DVN4
Capacity		HP	3	4	4.5	5	6
Capacity	Cooling rated	kW	7.2	9	12.3	14	15.5
	Heating rated	kW	7.2	9	14	16	17.5
	Heating rated at -7°C	kW	6.9	8.63	13.42	15.34	16.78
Cooling input rated		W	2200	2870	4180	5190	6810
Heating input rated		W	1920	2710	4570	5580	6280
Heating input rated at -7°C		W	2420	3430	5740	7020	7900
Energy efficiency	EER		3.27	3.13	2.95	2.70	2.28
	COP		3.75	3.32	3.07	2.87	2.79
	SEER		5.10	5.10	6.50	6.30	5.52
	∩s,c	%	-	-	255.6	249	217.8
	SCOP		3.80	3.80	4.20	4.20	4.26
	∩s,h	%	-	-	165	165	167.2
	COP -7°C		2.85	2.51	2.33	2.18	2.12
No. indoor units			6	7	10	12	13
Outdoor unit	Compressor type		DC Rotary Inverter	DC Rotary Inverter	DC Rotary Inverter	DC Rotary Inverter	DC Rotary Inverter
	No. compressor		1	1	1	1	1
	No. fans		1	1	1	1	1
	Air flow	m³/h	3700	5200	5000	5400	5200
	Sound pressure	dB(A)	54	54	56	56	56
	Sound power level	dB(A)	67	70	73	74	74
	Width/height/depth	mm	982 / 712 / 440	950 / 840 / 426	950 / 840 / 426	1040 / 865 / 523	1040 / 865 / 523
	Net weight	kg	55	72.5	84	91.4	95.4
	Power supply	V/ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
	Power wiring	mm²	(2+T)x2,5	(2+T)x4	(2+T)x6	(2+T)x6	(2+T)x6
Shielded communication wiring		mm²	3x0,75	3x0,75	3x0,75	3x0,75	3x0,75
Refrigerant	Type refrigerant		R-410A	R-410A	R-410A	R-410A	R-410A
	Refrigerant charge	kg	2.2	2.35	3	3.4	3.8
	Liquid/gas pipe diameter	inch	3/8" / 5/8"	3/8" / 5/8"	3/8" / 5/8"	3/8" / 5/8"	3/8" / 3/4"
Working range	Outdoor temperature for cooling min./max.	°C	-5°C / 55°C	-5°C / 55°C	-5°C / 55°C	-5°C / 55°C	-5°C / 55°C
	Outdoor temperature for heating min./max.	°C	-15°C / 27°C	-15°C / 27°C	-15°C / 27°C	-15°C / 27°C	-15°C / 27°C
Communication protocol			s6	s6	s6	s6	s6

OUTDOOR UNIT MODEL			KMF-140 DTN2	KMF-160 DTN2	KMF-180 DTN2
Capacity		HP	5	6	7
Capacity	Cooling rated	kW	14	15.5	17.5
	Heating rated	kW	16	17.5	19
	Heating rated at -7°C	kW	13.19	14.41	15.68
Cooling input rated		W	4670	5080	5770
Heating input rated		W	5080	6140	6130
Heating input rated at -7°C		W	5770	6970	6960
Energy efficiency	EER		3.20	2.71	3.11
	COP		3.20	2.85	3.10
	SEER		6.25	6.02	6.20
	∩s,c	%	247	237.8	245
	SCOP		4.04	4.28	4.10
	∩s,h	%	158.7	168.2	161
	COP -7°C		2.29	2.06	2.25
No. indoor units			12	13	15
Outdoor unit	Compressor type		Rotary Inverter	Rotary Inverter	Rotary Inverter
	No. compressor		1	1	1
	No. fans		2	2	2
	Air flow	m³/h	6000	6000	6800
	Sound power level	dB(A)	76	76	77
	Width/height/depth	mm	900 / 1327 / 400	900 / 1327 / 400	900 / 1327 / 400
	Net weight	kg	95	102	107
	Power supply	V/ph/Hz	380-415/3/50	380-415/3/50	380-415/3/50
	Power wiring	mm²	(4+T)x2,5	(4+T)x2,5	(4+T)x2,5
Shielded communication wiring		mm²	3x0,75	3x0,75	3x0,75
Refrigerant	Type refrigerant		R-410A	R-410A	R-410A
	Refrigerant charge	kg	3.9	3.9	4.5
	Liquid/gas pipe diameter	inch	3/8" / 5/8"	3/8" / 3/4"	3/8" / 3/4"
Working range	Outdoor temperature for cooling min./max.	°C	-15°C / 43°C	-15°C / 43°C	-15°C / 43°C
	Outdoor temperature for heating min./max.	°C	-15°C / 27°C	-15°C / 27°C	-15°C / 27°C
Communication protocol			s4+	s4+	s4+

Accessories	MODEL
Branch pipes	KCMI 112 (FRG100+FRG200)

NOTES:
(1) The data and specifications included on this sheet may vary without prior notice.
(2) The images on this sheet are indicative, and may differ from the actual machine.
(3) Cooling capacity conditions - Indoor temperature 27°C DB/19°C WB; Outdoor temperature 35°C DB; Equivalent length of piping 7.5 m with 0 m fall; Data calculated with Cassette-type indoor unit. Heating capacity conditions - Indoor temperature 20°C DB; Outdoor temperature 7°C DB/6°C WB; Equivalent length of piping 7.5 m with 0 m fall; Data calculated with Cassette-type indoor unit.
(4) Sound pressure level measured at a position 1 m in front of the unit at a height of 1 m above the floor using a semi-anechoic chamber.

AMAZON UNITARIO III FRONT AIR DISCHARGE

Individual non-combinable outdoor units with powers ranging from 20 to 45 kW. Available in single or three-phase Full DC Inverter which incorporate rotary Inverter compressors and DC fans. Front discharge is an advantage because these compact units require little installation space.

➔ Low space requirements for installation

Thanks to front air discharge, these units are compact and require very little space for roof installation.

150 %

➔ Simultaneous connection ratio of 150%

All outdoor units in the range allow up to 150% simultaneous connection ratio in terms of capacity of the connected indoor units.

➔ High-efficiency DC compressors and fans

The compressors used in these outdoor units are Twin Rotary Inverter models. These units employ DC fans which adapt their running and consumption to the needs of the equipment.

➔ More complete control

There are several types of compatible controllers. The systems can be integrated in BMS systems (KNX, Bacnet, etc.) or even in centralised controllers.

➔ Replace Technology

In retaining the existing cooling connections, installation time is reduced. They contribute towards limiting impact and any possible negative effects for the environment.

R-410A REFRIGERANT | CONDENSATION CONTROL | DC INVERTER COMPRESSOR | DC INVERTER EXTERNAL FAN

OUTDOOR UNIT MODEL			KMF-200 DN4	KMF-224 DN4	KMF-260 DN4	KMF-280 DN4	KMF-335 DN4
Capacity		HP	7	8	9	10	12
Capacity	Cooling rated	kW	20	22.4	26	28.5	33.5
	Heating rated	kW	22.5	25	28.5	31.5	37.5
	Heating rated at -7°C	kW	21.57	23.97	27.32	30.2	35.95
Cooling input rated		W	4900	6830	9630	12280	14380
Heating input rated		W	6590	6670	7430	7410	9080
Heating input rated at -7°C		W	7300	8180	9440	10710	14380
Energy efficiency	EER		3.79	3.31	2.59	2.33	2.19
	COP		3.78	3.75	3.70	3.61	3.20
	SEER		7.11	6.83	6.55	6.35	6.42
	∩s,c	%	281.4	270.2	259	251	253.8
	SCOP		3.95	4.26	4.53	4.60	3.96
	∩s,h	%	155	167.4	178.2	179.4	155.4
	COP -7°C		2.95	2.93	2.89	2.8	2.5
No. indoor units			17	19	22	24	29
Outdoor unit	Compressor type		Rotary Inverter	Rotary Inverter	Rotary Inverter	Rotary Inverter	Rotary Inverter
	No. compressor		1	1	1	1	1
	No. fans		2	2	2	2	2
	Air flow	m³/h	9000	9000	10000	11000	11300
	Sound pressure	dB(A)	58	58	59	60	61
	Sound power level	dB(A)	78	78	78	78	81
	Width/height/depth	mm	1120 / 1558 / 528	1120 / 1558 / 528	1120 / 1558 / 528	1120 / 1558 / 528	1120 / 1558 / 528
	Net weight	kg	143	143	144	144	157
	Power supply	V/ph/Hz	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50
	Power wiring	mm²	(4+T)x6	(4+T)x6	(4+T)x6	(4+T)x6	(4+T)x10
Shielded communication wiring		mm²	3x0,75	3x0,75	3x0,75	3x0,75	3x0,75
Refrigerant	Type refrigerant		R-410A	R-410A	R-410A	R-410A	R-410A
	Refrigerant charge	kg	6.5	6.5	6.5	6.5	8
	Liquid/gas pipe diameter	inch	3/8" / 3/4"	3/8" / 3/4"	3/8" / 7/8"	3/8" / 7/8"	1/2" / 1"
Working range	Outdoor temperature for cooling min./max.	°C	-5°C / 48°C	-5°C / 48°C	-5°C / 48°C	-5°C / 48°C	-5°C / 48°C
	Outdoor temperature for heating min./max.	°C	-20°C / 24°C	-20°C / 24°C	-20°C / 24°C	-20°C / 24°C	-20°C / 24°C
Communication protocol			s6	s6	s6	s6	s6

OUTDOOR UNIT MODEL			KMF-400 DN3	KMF-450 DN3
Capacity	Cooling rated	kW	40	45
	Heating rated	kW	40	45
	Heating rated at -7°C	kW	33	43.1
Cooling input rated		W	19420	19650
Heating input rated		W	14960	15300
Heating input rated at -7°C		W	16980	19220
Energy efficiency	EER		2.06	2.29
	COP		2.67	2.94
	SEER		5.60	5.10
	∩s,c	%	221	301
	SCOP		3.70	3.60
	∩s,h	%	145	139
	COP -7°C		1.94	2.24
No. indoor units			35	39
Outdoor unit	Compressor type		Rotary Inverter	Rotary Inverter
	No. compressor		2	2
	No. fans		2	2
	Air flow	m³/h	16575	16575
	Sound pressure	dB(A)	62	62
	Sound power level	dB(A)	82	83
	Width/height/depth	mm	1360 / 1650 / 540	1460 / 1650 / 540
	Net weight	kg	250	280
	Power supply	V/ph/Hz	380-415/3/50	380-415/3/50
	Power wiring	mm²	(4+T)x10	(4+T)x16
Shielded communication wiring		mm²	3x0,75	3x0,75
Refrigerant	Type refrigerant		R-410A	R-410A
	Refrigerant charge	kg	9	12
	Liquid/gas pipe diameter	inch	1/2" / 7/8"	1/2" / 1"
Working range	Outdoor temperature for cooling min./max.	°C	-5°C / 48°C	-5°C / 48°C
	Outdoor temperature for heating min./max.	°C	-15°C / 24°C	-15°C / 24°C
Communication protocol			s4+	s4+

Accessories	MODEL
Branch pipes	KCMI 112 (FRG100+FRG200)
Branch pipes	KCMI 212 (FRG100+FRG300)

NOTES:

(1) The data and specifications in this sheet are subject to change without notice.

(2) The images in this sheet are for guidance only and may be different from the actual machine.

(3) Cooling capacity conditions: Indoor temperature 27°C DB/19°C WB; Outdoor temperature 35°C DB; Equivalent refrigerant piping length 7.5 m with zero level difference; Data calculated with Cassette type indoor unit. Heating capacity conditions: Indoor temperature 20°C DB; Outdoor temperature 7°C DB/6°C WB; Equivalent refrigerant piping length 7.5 m with zero level difference; Data calculated with Cassette type indoor unit.

(4) Sound pressure level is measured at a position 1 m in front of the unit and 1 m above the floor in a semi-anechoic chamber.

AMAZON UNITARIO TOP AIR DISCHARGE

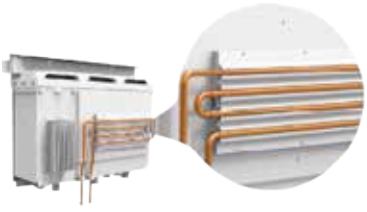
Individual non-combinable outdoor units with powers ranging from 20 to 45 kW. Available in single or three-phase Full DC Inverter which incorporate rotary Inverter compressors and DC fans. Front discharge is an advantage because these compact units require little installation space.

➔ The largest individual module on the market

Kaysun has a unique model with the greatest capacity on the market, at 32 HP, in addition to a reduction in the space necessary for installation of up to 40% in comparison with previous generations.

➔ Up to 64 indoor units and 150% simultaneous connection ratio

Depending on the capacity of the outdoor unit it is possible to connect up to 53 indoor units and achieve a simultaneous connection ratio of up to 150%.



Detecting

➔ High reliability

The new Kaysun individual outdoor units feature control board cooling systems with a multi-pipe refrigerant system to guarantee a stable temperature for the control board and IPM. The units have a function which automatically detects the refrigerant level.

➔ Mr. Doctor

This optional accessory allows us to access consultation and reading of operating parameters without the need to open the outdoor unit. In addition, it incorporates a processor capable of saving more than 30 minutes unit operational history.

➔ High reliability

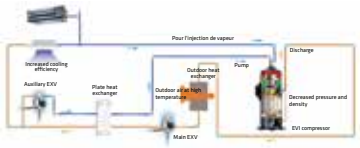
The new Kaysun individual outdoor units feature control board cooling systems with a multi-tube refrigerant system to guarantee a stable temperature for the control board and IPM. The units have a function which automatically detects the refrigerant level.

➔ Huge adaptation capacity

The Amazon Unitario Top Air Discharge units adapt to any installation thanks to the long piping lengths which are possible. Up to 1,000 metres total piping length, 200 metres between the outdoor unit and the furthest indoor unit and 90 metres of fall between outdoor and indoor units.

➔ Highly efficient EVI compressor

Thanks to the Scroll DC Inverter compressor with vapour injection (EVI), the heating efficiency is increased by up to 26% in ambient temperatures of up to -15°C, and 10% in cooling in temperatures of 43°C.

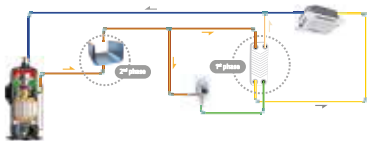


➔ Energy management system (EMS)

With the EMS, the evaporation temperature (for cooling) and the condensation temperature (for heating) adjust automatically to maximise comfort and the energy efficiency of the units.

➔ Improvement in sub-cooling for cooling

Thanks to the plate heat exchanger as the second sub-cooling stage for the refrigerant, an increase of up to 18°C is achieved, which provides improved performance in cooling in the units of up to 10%, with the subsequent increase in energy efficiency.



➔ High-efficiency heat exchanger

The outdoor units in the Amazon Unitario Top Air Discharge range feature a highly efficient heat exchanger with up to 3 passes, with an increase in indoor tube diameter of 8 mm for better thermal exchange.

➔ Up to 60 Pa static pressure

The outdoor units in the Amazon Unitario Top Air Discharge feature static pressure of up to 60 Pa.

AMAZON UNITARIO TOP AIR DISCHARGE

OUTDOOR UNIT MODEL			K2UF-280 DN4 S	K2UF-335 DN4 S	K2UF-400 DN4 S
Capacity		HP	10	12	14
Capacity	Cooling rated	kW	28	33.5	40
	Heating rated	kW	30.2	37.5	45
	Heating rated at -7°C	kW	25.9	36	43
Cooling input rated		W	10680	13550	15370
Heating input rated		W	8830	11720	13630
Heating input rated at -7°C		W	11100	14730	17120
Energy efficiency	EER		2.62	2.47	2.60
	COP		3.57	3.20	3.30
	SEER		6.44	6.07	6.31
	ηs,c	%	254.4	239.8	249.3
	SCOP		4.10	4.22	3.81
	ηs,h	%	160.9	165.7	149.5
	COP -7°C		2.33	2.44	2.52
No. indoor units			24	29	35
Outdoor unit	Compressor type		Scroll Inverter	Scroll Inverter	Scroll Inverter
	No. compressor		1	1	1
	No. fans		1	1	1
	Air flow	m³/h	11000	11000	13000
	Sound pressure	dB(A)	58	60	62
	Sound power level	dB(A)	84	85	86
	Width/height/depth	mm	990 / 1635 / 790	990 / 1635 / 790	1340 / 1635 / 850
	Net weight	kg	227	227	277
	Power supply	V/ph/Hz	380-415/3/50	380-415/3/50	380-415/3/50
	Power wiring	mm²	(4+T)x4	(4+T)x6	(4+T)x10
Shielded communication wiring		mm²	3x0,75	3x0,75	3x0,75
Refrigerant	Type refrigerant		R-410A	R-410A	R-410A
	Refrigerant charge	kg	11	11	13
	Liquid/gas pipe diameter	inch	1/2" / 1"	5/8" / 1 1/8"	5/8" / 1 1/4"
Working range	Outdoor temperature for cooling min./max.	°C	-5°C / 48°C	-5°C / 48°C	-5°C / 48°C
	Outdoor temperature for heating min./max.	°C	-23°C / 24°C	-23°C / 24°C	-23°C / 24°C
Communication protocol			s6	s6	s6

OUTDOOR UNIT MODEL			K2UF-450 DN4 S	K2UF-500 DN4 S	K2UF-560 DN4 S
Capacity		HP	16	18	20
Capacity	Cooling rated	kW	45	50	56
	Heating rated	kW	50	56	63
	Heating rated at -7°C	kW	48	54	60
Cooling input rated		W	20960	28090	34220
Heating input rated		W	16580	18020	19210
Heating input rated at -7°C		W	20830	22650	24140
Energy efficiency	EER		2.15	1.78	1.64
	COP		3.02	3.11	3.28
	SEER		5.58	5.43	5.38
	ηs,c	%	220.3	214.2	212.2
	SCOP		4.06	3.95	4.31
	ηs,h	%	159.4	155	169.5
	COP -7°C		2.3	2.37	2.5
No. indoor units			39	44	49
Outdoor unit	Compressor type		Scroll Inverter	Scroll Inverter	Scroll Inverter
	No. compressor		1	1	2
	No. fans		1	1	2
	Air flow	m³/h	13000	13000	17000
	Sound pressure	dB(A)	65	65	66
	Sound power level	dB(A)	86	91	89
	Width/height/depth	mm	1340 / 1635 / 850	1340 / 1635 / 850	1340 / 1635 / 825
	Net weight	kg	277	295	344
	Power supply	V/ph/Hz	380-415/3/50	380-415/3/50	380-415/3/50
	Power wiring	mm²	(4+T)x16	(4+T)x16	(4+T)x16
Shielded communication wiring		mm²	3x0,75	3x0,75	3x0,75
Refrigerant	Type refrigerant		R-410A	R-410A	R-410A
	Refrigerant charge	kg	13	13	17
	Liquid/gas pipe diameter	inch	5/8" / 1 1/4"	3/4" / 1 1/4"	3/4" / 1 1/4"
Working range	Outdoor temperature for cooling min./max.	°C	-5°C / 48°C	-5°C / 48°C	-5°C / 48°C
	Outdoor temperature for heating min./max.	°C	-23°C / 24°C	-23°C / 24°C	-23°C / 24°C
Communication protocol			s6	s6	s6

Accessories	MODEL
Branch pipes	KCMI 112 (FRG100+FRG200)
Branch pipes	KCMI 212 (FRG100+FRG300)
Branch pipes	KCMI 312 (FRG200+FRG300)
Branch pipes	KCMI 412 (FRG200+FRG400)
Branch pipes	KCMI 512 (FRG300+FRG500)

NOTES:
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(3) Cooling capacity conditions: Indoor temperatue 27°C DB/19°C WB; Outdoor temperature 35°C DB; Equivalent length of piping 7.5 m with 0 m fall; Data calculated with Duct-type indoor unit. Heating capacity conditions: Indoor temperature 20°C DB; Outdoor temperature 7°C DB/6°C WB; Equivalent length of piping 7.5 m with 0 m fall; Data calculated with Duct-type indoor unit.
(4) Sound pressure level measured at a position 1 m in front of the unit at a height of 1 m above the floor using a semi-anechoic chamber.

OUTDOOR UNIT MODEL			K2UF-615 DN4 S	K2UF-670 DN4 S	K2UF-730 DN4 S
Capacity		HP	22	24	26
Capacity	Cooling rated	kW	61.5	67	73
	Heating rated	kW	69	75	81.5
	Heating rated at -7°C	kW	63	72	78.1
Cooling input rated		W	35410	36710	34630
Heating input rated		W	23220	25260	25740
Heating input rated at -7°C		W	29170	31750	32340
Energy efficiency	EER		1.67	1.83	2.11
	COP		2.85	2.97	3.17
	SEER		5.07	5.37	5.77
	∩s,c	%	199.9	211.8	227.9
	SCOP		4.42	4.36	4.14
	∩s,h	%	173.7	171.4	162.4
	COP -7°C		2.18	2.26	2.42
No. indoor units			54	59	64
Outdoor unit	Compressor type		Scroll Inverter	Scroll Inverter	Scroll Inverter
	No. compressor		2	2	2
	No. fans		2	2	2
	Air flow	m³/h	17000	25000	25000
	Sound pressure	dB(A)	66	67	68
	Sound power level	dB(A)	89	89	93
	Width/height/depth	mm	1340 / 1635 / 825	1730 / 1830 / 850	1730 / 1830 / 850
	Net weight	kg	344	407	429
	Power supply	V/ph/Hz	380-415/3/50	380-415/3/50	380-415/3/50
	Power wiring	mm²	(4+T)x16	(4+T)x25	(4+T)x25
Shielded communication wiring		mm²	3x0,75	3x0,75	3x0,75
Refrigerant	Type refrigerant		R-410A	R-410A	R-410A
	Refrigerant charge	kg	17	22	22
	Liquid/gas pipe diameter	inch	3/4" / 11/4"	3/4" / 11/4"	7/8" / 11/4"
Working range	Outdoor temperature for cooling min./max.	°C	-5°C / 48°C	-5°C / 48°C	-5°C / 48°C
	Outdoor temperature for heating min./max.	°C	-23°C / 24°C	-23°C / 24°C	-23°C / 24°C
Communication protocol			s6	s6	s6

OUTDOOR UNIT MODEL			K2UF-785 DN4 S	K2UF-850 DN4 S	K2UF-900 DN4 S
Capacity		HP	28	30	32
Capacity	Cooling rated	kW	78.5	85	85
	Heating rated	kW	84.2	95	100
	Heating rated at -7°C	kW	80.7	91	96
Cooling input rated		W	37270	44880	44880
Heating input rated		W	29410	27770	30600
Heating input rated at -7°C		W	36960	34890	38460
Energy efficiency	EER		2.03	1.89	1.89
	COP		2.86	3.42	3.27
	SEER		5.43	5.15	5.15
	∩s,c	%	214.2	202.9	202.9
	SCOP		4.45	4.08	4.08
	∩s,h	%	175.1	160.2	160.2
	COP -7°C		2.18	2.61	2.49
No. indoor units			64	64	64
Outdoor unit	Compressor type		Scroll Inverter	Scroll Inverter	Scroll Inverter
	No. compressor		2	2	2
	No. fans		2	2	2
	Air flow	m³/h	25000	24000	24000
	Sound pressure	dB(A)	68	68	68
	Sound power level	dB(A)	93	93	93
	Width/height/depth	mm	1730 / 1830 / 850	1730 / 1830 / 850	1730 / 1830 / 850
	Net weight	kg	429	475	475
	Power supply	V/ph/Hz	380-415/3/50	380-415/3/50	380-415/3/50
	Power wiring	mm²	(4+T)x25	(4+T)x25	(4+T)x25
Shielded communication wiring		mm²	3x0,75	3x0,75	3x0,75
Refrigerant	Type refrigerant		R-410A	R-410A	R-410A
	Refrigerant charge	kg	22	25	25
	Liquid/gas pipe diameter	inch	7/8" / 11/4"	7/8" / 11/2"	7/8" / 11/2"
Working range	Outdoor temperature for cooling min./max.	°C	-5°C / 48°C	-5°C / 48°C	-5°C / 48°C
	Outdoor temperature for heating min./max.	°C	-23°C / 24°C	-23°C / 24°C	-23°C / 24°C
Communication protocol			s6	s6	s6

Accessories	MODEL
Branch pipes	KCMI 112 (FRG100+FRG200)
Branch pipes	KCMI 212 (FRG100+FRG300)
Branch pipes	KCMI 312 (FRG200+FRG300)
Branch pipes	KCMI 412 (FRG200+FRG400)
Branch pipes	KCMI 512 (FRG300+FRG500)

NOTES:
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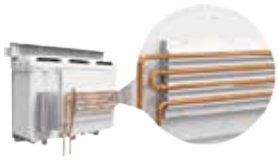
(3) Cooling capacity conditions: Indoor temperatue 27°C DB/19°C WB; Outdoor temperature 35°C DB; Equivalent length of piping 7.5 m with 0 m fall; Data calculated with Duct-type indoor unit. Heating capacity conditions: Indoor temperature 20°C DB; Outdoor temperature 7°C DB/6°C WB; Equivalent length of piping 7.5 m with 0 m fall; Data calculated with Duct-type indoor unit.
(4) Sound pressure level measured at a position 1 m in front of the unit at a height of 1 m above the floor using a semi-anechoic chamber.

AMAZON V

These 2-pipe modular Full DC Inverter high-technology outdoor units bring together the most efficient, advanced technology in air conditioning in order to provide our customers with a climate control system with high cooling capacity, high reliability, enhanced efficiency, great adaptability and a smart control system.

➔ Large capacity and reduced installation space

Kaysun has a unique model with the greatest capacity on the market, at 32 HP, and the option to combine up to 3 of these modules and achieve a cooling capacity of up to 96 HP. The Amazon V provides a reduction in the space necessary for installation of up to 40% in comparison with previous generations.



➔ High reliability

The Amazon V feature control board cooling with a multi-tube refrigerant system to guarantee a stable temperature for the control board and IPM. These units have a function which automatically detects the refrigerant level.

➔ Up to 64 indoor units and 150% simultaneous connection ratio

Depending on the capacity of the outdoor unit it is possible to connect up to 53 indoor units and achieve a simultaneous connection ratio of up to 150%.

➔ High-efficiency heat exchanger

The outdoor units in the Amazon V range feature a highly efficient heat exchanger with up to 3 passes, with an increase in indoor tuber diameter of 8 mm for better thermal exchange.

➔ Mr. Doctor

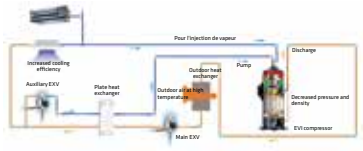
This optional accessory allows us to access consultation and reading of operating parameters without the need to open the outdoor unit. In addition, it incorporates a processor capable of saving more than 30 minutes unit operational history.

➔ High reliability

The Amazon V feature control board cooling with a multi-tube refrigerant system to guarantee a stable temperature for the control board and IPM. These units have a function which automatically detects the refrigerant level.

➔ Huge adaptation capacity

The Amazon V adapt to any installation thanks to the long piping lengths which are possible. Up to 1,000 metres total piping length, 200 metres between the outdoor unit and the furthest indoor unit and 90 metres of fall between outdoor and indoor units.

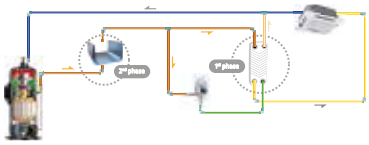


➔ Highly efficient EVI compressor

Thanks to the Scroll DC Inverter compressor with vapour injection (EVI), the heating efficiency is increased by up to 26% in ambient temperatures of up to -15°C, and 10% in cooling in temperatures of 43°C.

➔ Energy management system (EMS)

With the EMS, the evaporation temperature (for cooling) and the condensation temperature (for heating) adjust automatically to maximise comfort and the energy efficiency of the units.



➔ Improvement in sub-cooling for cooling

Thanks to the plate heat exchanger as the second sub-cooling stage for the refrigerant, an increase of up to 18°C is achieved, which provides improved performance in cooling in the units of up to 10%, with the subsequent increase in energy efficiency.

➔ Up to 60 Pa static pressure

The outdoor units in the Amazon V feature static pressure of up to 60 Pa.

AMAZON V

R-410A REFRIGERANT | MODULAR | CONDENSATION CONTROL | DC INVERTER COMPRESSOR | DC INVERTER EXTERNAL FAN

			Combinable modules			
OUTDOOR UNIT MODEL			**K2F-252 DN5S**	**K2F-280 DN5S**	**K2F-335 DN5S**	**K2F-400 DN5S**
Capacity		HP	8	10	12	14
Capacity	**Cooling rated**	kW	25.2	28	33.5	40
	Heating rated	kW	27	31.5	37.5	45
	Heating rated at -7°C	kW	25.9	30.2	36	43.1
Cooling input rated		W	8370	10570	13550	15210
Heating input rated		W	7070	8750	11610	13520
Heating input rated at -7°C		W	8880	10990	14590	16890
Energy efficiency	**EER**		3.01	2.65	2.47	2.63
	COP		3.82	3.60	3.23	3.33
	SEER		6.86	6.50	6.07	6.37
	∩s,c	%	271.6	257.1	239.7	252
	SCOP		4.06	4.14	4.26	3.85
	∩s,h	%	159.2	162.7	167.4	150.8
	COP -7°C		2.92	2.75	2.46	2.55
No. indoor units			22	24	29	35
Outdoor unit	**Compressor type**		Scroll Inverter	Scroll Inverter	Scroll Inverter	Scroll Inverter
	No. compressor		1	1	1	1
	No. fans		1	1	1	1
	Air flow	m³/h	11000	11000	11000	13000
	Static pressure	Pa	60	60	60	60
	Sound pressure	dB(A)	58	58	60	62
	Sound power level	dB(A)	83	84	85	86
	Width/height/depth	mm	990 / 1635 / 790	990 / 1635 / 790	990 / 1635 / 790	1340 / 1635 / 850
	Net weight	kg	227	227	227	277
	Power supply	V/ph/Hz	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50
	Power wiring	mm²	(4+T)x2,5	(4+T)x4	(4+T)x6	(4+T)x10
Shielded communication wiring		mm²	3x0,75	3x0,75	3x0,75	3x0,75
Refrigerant	**Type refrigerant**		R-410A	R-410A	R-410A	R-410A
	Refrigerant charge	kg	11	11	11	13
	Liquid/gas pipe diameter	inch	1/2" / 1"	1/2" / 1"	5/8" / 1 1/8"	5/8" / 1 1/4"
Working range	**Outdoor temperature for cooling min./max.**	°C	-5°C / 48°C	-5°C / 48°C	-5°C / 48°C	-5°C / 48°C
	Outdoor temperature for heating min./max.	°C	-23°C / 24°C	-23°C / 24°C	-23°C / 24°C	-23°C / 24°C
Communication protocol			s6	s6	s6	s6

			Combinable modules		
OUTDOOR UNIT MODEL			**K2F-450 DN5S**	**K2F-500 DN5S**	**K2F-560 DN5S**
Capacity		HP	16	18	20
Capacity	**Cooling rated**	kW	45	50	56
	Heating rated	kW	50	56	63
	Heating rated at -7°C	kW	47.9	53.7	60.4
Cooling input rated		W	20740	21690	29630
Heating input rated		W	16420	15870	18090
Heating input rated at -7°C		W	20630	19940	22740
Energy efficiency	**EER**		2.17	2.31	1.89
	COP		3.05	3.53	3.48
	SEER		5.64	5.93	5.38
	∩s,c	%	222.8	234.3	212.3
	SCOP		4.31	4.10	4.00
	∩s,h	%	160.9	157	173.2
	COP -7°C		2.32	2.7	2.7
No. indoor units			39	44	49
Outdoor unit	**Compressor type**		Scroll Inverter	Scroll Inverter	Scroll Inverter
	No. compressor		1	2	2
	No. fans		1	2	2
	Air flow	m³/h	13000	17000	17000
	Static pressure	Pa	60	60	60
	Sound pressure	dB(A)	65	65	66
	Sound power level	dB(A)	86	88	89
	Width/height/depth	mm	1340 / 1635 / 850	1340 / 1635 / 825	1340 / 1635 / 825
	Net weight	kg	277	348	348
	Power supply	V/ph/Hz	380-415/3/50	380-415/3/50	380-415/3/50
	Power wiring	mm²	(4+T)x16	(4+T)x16	(4+T)x16
Shielded communication wiring		mm²	3x0,75	3x0,75	3x0,75
Refrigerant	**Type refrigerant**		R-410A	R-410A	R-410A
	Refrigerant charge	kg	13	17	17
	Liquid/gas pipe diameter	inch	5/8" / 1 1/4"	3/4" / 1 1/4"	3/4" / 1 1/4"
Working range	**Outdoor temperature for cooling min./max.**	°C	-5°C / 48°C	-5°C / 48°C	-5°C / 48°C
	Outdoor temperature for heating min./max.	°C	-23°C / 24°C	-23°C / 24°C	-23°C / 24°C
Communication protocol			s6	s6	s6

Accessories	MODEL
Branch pipes	KCMI 112 (FRG100+FRG200)
Branch pipes	KCMI 212 (FRG100+FRG300)
Branch pipes	KCMI 312 (FRG200+FRG300)
Branch pipes	KCMI 412 (FRG200+FRG400)
Branch pipes	KCMI 512 (FRG300+FRG500)
Outdoor modules T-type branch pipes	KCME 12.6
Outdoor modules T-type branch pipes	KCME 13.6

			Combinable modules		
OUTDOOR UNIT MODEL			**K2F-615 DN5S**	**K2F-670 DN5S**	**K2F-730 DN5S**
Capacity		**HP**	22	24	26
Capacity	**Cooling rated**	**kW**	59	67	73
	Heating rated	**kW**	66.2	75	81.5
	Heating rated at -7°C	**kW**	63.5	71.9	78.1
Cooling input rated		**W**	34580	31850	34280
Heating input rated		**W**	21860	20940	25230
Heating input rated at -7°C		**W**	27470	26310	31700
Energy efficiency	**EER**		1.71	2.10	2.10
	COP		3.03	3.58	3.23
	SEER		5.10	5.68	5.83
	ηs,c	**%**	201	224.3	230.3
	SCOP		4.40	4.45	4.22
	ηs,h	**%**	182.9	174.8	165.9
	COP -7°C		2.3	2.73	2.46
No. indoor units			54	59	64
Outdoor unit	**Compressor type**		Scroll Inverter	Scroll Inverter	Scroll Inverter
	No. compressor		2	2	2
	No. fans		2	2	2
	Air flow	**m³/h**	17000	25000	25000
	Static pressure	**Pa**	60	60	60
	Sound pressure	**dB(A)**	66	67	68
	Sound power level	**dB(A)**	89	92	93
	Width/height/depth	**mm**	1340 / 1635 / 825	1730 / 1830 / 850	1730 / 1830 / 850
	Net weight	**kg**	348	430	430
	Power supply	**V/ph/Hz**	380-415/3/50	380-415/3/50	380-415/3/50
	Power wiring	**mm²**	(4+T)x16	(4+T)x25	(4+T)x25
Shielded communication wiring		**mm²**	3x0,75	3x0,75	3x0,75
Refrigerant	**Type refrigerant**		R-410A	R-410A	R-410A
	Refrigerant charge	**kg**	17	22	22
	Liquid/gas pipe diameter	**inch**	3/4" / 11/4"	3/4" / 11/4"	7/8" / 11/2"
Working range	**Outdoor temperature for cooling min./max.**	**°C**	-5°C / 48°C	-5°C / 48°C	-5°C / 48°C
	Outdoor temperature for heating min./max.	**°C**	-23°C / 24°C	-23°C / 24°C	-23°C / 24°C
Communication protocol			s6	s6	s6

			Combinable modules		
OUTDOOR UNIT MODEL			**K2F-785 DN5S**	**K2F-850 DN5S**	**K2F-900 DN5S**
Capacity		**HP**	28	30	32
Capacity	**Cooling rated**	**kW**	75.5	85	90
	Heating rated	**kW**	84.2	95	100
	Heating rated at -7°C	**kW**	80.7	91.1	95.9
Cooling input rated		**W**	37240	44880	44880
Heating input rated		**W**	28560	27530	30330
Heating input rated at -7°C		**W**	35890	34600	38110
Energy efficiency	**EER**		2.03	1.90	1.90
	COP		2.95	3.45	3.30
	SEER		5.43	5.68	5.83
	ηs,c	**%**	214.4	224.3	230.3
	SCOP		4.59	4.45	4.22
	ηs,h	**%**	180.5	174.8	165.9
	COP -7°C		2.25	2.63	2.52
No. indoor units			64	64	64
Outdoor unit	**Compressor type**		Scroll Inverter	Scroll Inverter	Scroll Inverter
	No. compressor		2	2	2
	No. fans		2	2	2
	Air flow	**m³/h**	25000	24000	24000
	Static pressure	**Pa**	60	60	60
	Sound pressure	**dB(A)**	68	68	68
	Sound power level	**dB(A)**	93	93	93
	Width/height/depth	**mm**	1730 / 1830 / 850	1730 / 1830 / 850	1730 / 1830 / 850
	Net weight	**kg**	430	475	475
	Power supply	**V/ph/Hz**	380-415/3/50	380-415/3/50	380-415/3/50
	Power wiring	**mm²**	(4+T)x25	(4+T)x25	(4+T)x25
Shielded communication wiring		**mm²**	3x0,75	3x0,75	3x0,75
Refrigerant	**Type refrigerant**		R-410A	R-410A	R-410A
	Refrigerant charge	**kg**	22	25	25
	Liquid/gas pipe diameter	**inch**	7/8" / 11/2"	7/8" / 11/2"	7/8" / 11/2"
Working range	**Outdoor temperature for cooling min./max.**	**°C**	-5°C / 48°C	-5°C / 48°C	-5°C / 48°C
	Outdoor temperature for heating min./max.	**°C**	-23°C / 24°C	-23°C / 24°C	-23°C / 24°C
Communication protocol			s6	s6	s6

NOTES:
(1) The data and specifications included on this sheet may vary without prior notice.
(2) The images on this sheet are indicative, and may differ from the actual machine.
(3) Cooling capacity conditions: Indoor temperature 27°C DB/19°C WB; Outdoor temperature 35°C DB; Equivalent length of piping 7.5 m with 0 m fall; Data calculated with Duct-type indoor unit. Heating capacity conditions: Indoor temperature 20°C DB; Outdoor temperature 7°C DB/6°C WB; Equivalent length of piping 7.5 m with 0 m fall; Data calculated with Duct-type indoor unit.
(4) The diameters given are for the piping that connects the combination of the outdoor unit with the first indoor branch for systems with total equivalent liquid piping lengths below 90 m. For systems with total equivalent liquid piping lengths of 90 or more, see the engineering data book in order to determine the diameters of the connecting piping.
(5) Sound pressure level measured at a position 1 m in front of the unit at a height of 1 m above the floor using a semi-anechoic chamber.

AMAZON W

Kaysun modular units with water-condensed variable flow Scroll DC Inverter compressor. Compact, reduced size; up to 3 modules can be combined to achieve cooling capacity of 100 kW.

➔ High-efficiency Scroll DC Inverter compressor

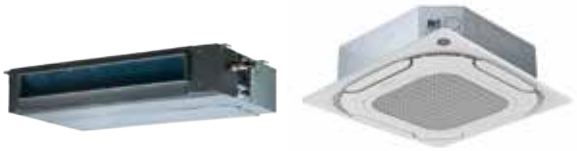
The design of these machines includes high-efficiency Scroll DC Inverter compressors, seeking maximum efficiency for the unit.

➔ Up to 100 kW capacity in a single cooling system

Up to 3 modules can be combined to achieve cooling capacity of up to 100.5 kW.

➔ High-efficiency heat exchanger

The condenser in these variable flow units is of the cross airflow pipe-in-pipe type. It features a large water circulation area in order to prevent blockages, which provides great reliability and extraordinary ease of maintenance.



➔ Up to 59 indoor units and 150% simultaneous connection ratio

Based on the cooling capacity to the unit it is possible to connect more or fewer indoor units. It must be taken into account that these units allow us a simultaneous connection ratio of up to 150% with respect to the installed indoor capacity.

R-410A REFRIGERANT | MODULAR | DC INVERTER COMPRESSOR

			Combinable modules	
OUTDOOR UNIT MODEL			**K2F-280 DN3W**	**K2F-335 DN3W**
Capacity		**HP**	10	12
Capacity	**Cooling rated**	**kW**	28	33.5
	Heating rated	**kW**	31.5	37.5
Cooling input rated		**W**	6100	8000
Heating input rated		**W**	5830	7800
Energy efficiency	**EER**		4.59	4.19
	COP		5.4	4.81
No. indoor units			24	29
Outdoor unit	**Compressor type**		Scroll Inverter	Scroll Inverter
	No. compressor		1	1
	Sound pressure	**dB(A)**	52	52
	Width/height/depth	**mm**	780 / 1000 / 550	780 / 1000 / 550
	Net weight	**kg**	146	147
	Power supply	**V/ph/Hz**	380-415/3/50	380-415/3/50
	Power wiring	**mm²**	(4+T)x4	(4+T)x6
Shielded communication wiring		**mm²**	3x1,5	3x1,5
Refrigerant	**Type refrigerant**		R-410A	R-410A
	Refrigerant charge	**kg**	2	2
	Liquid/gas pipe diameter	**inch**	1/2" / 1"	5/8" / 1 1/4"
	Oil balance pipe diameter	**inch**	1/4"	1/4"
Hydraulic system	**Water flow rated**	**m³/h**	6	7.2
	Exchanger type		Pipe in pipe	Pipe in pipe
	Load loss	**kPa**	40	48
	Water pressure max.	**Pa**	1980	1980
	Water pipe connections inlet/outlet water	**inch**	1 1/4"	1 1/4"
Working range	**Water inlet temperature min./max.**	**°C**	7°C / 45°C	7°C / 45°C
Communication protocol			s4+	s4+

Accessories	MODEL
Branch pipes	KCMI 112 (FRG100+FRG200)
Branch pipes	KCMI 212 (FRG100+FRG300)
Branch pipes	KCMI 312 (FRG200+FRG300)
Branch pipes	KCMI 412 (FRG200+FRG400)
Branch pipes	KCMI 512 (FRG300+FRG500)
Outdoor modules T-type branch pipes	KCME 12
Outdoor modules T-type branch pipes	KCME 13

Cooling and heating capacity. Cooling and heating input. Energy efficiency: Rated conditions: Cooling 27°C BS/19°C BH indoor, 35°C BS water temperature. Heating 20°C BS indoor, 7°C BS/6°C BH water temperature. Piping length 7.5 m, Height 0 m.
Sound pressure: Measurement of the sound pressure is taken using a semi-anechoic chamber at a distance of 1 m from the machine at a height of 1.3 m
Power wiring: The power wiring is up to 20 m approximately. It must be calculated more precisely for each installation.
Refrigerant charge: This is the amount of refrigerant that has been charged in the unit. In order to apply a supplementary charge it is necessary to use the formule from the technical manual.

AMAZON IV HR

The Amazon IV HR outdoor groups are variable flow Full DC Inverter with heat recovery (3-pipe). Thanks to their multigroup Inverter boxes, they can produce heat and cold simultaneously on the same cooling circuit. They can achieve capacities of up to 150 kW through the combination of modules, and the units stand out for their high energy efficiency.

➔ Modular unit

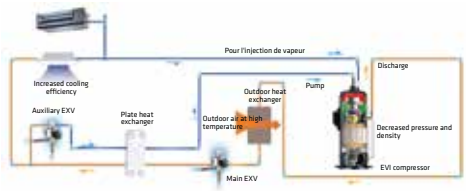
The possibility of combining up to 3 of these modules and capacities which can reach up to 150 kW in cooling mode. The Amazon IV HR units can reduce installation space.

➔ Production of hot water up to 80°C

Thanks to this module, it is possible to produce domestic hot water up to 80°C which is valid for all applications, thanks to its R-410A and R-134A dual stage.

➔ MS01 multigroup boxes

They incorporate a 3200-position valve, in addition to having contacts for leak sensor, alarm and fan stop/start.



➔ Highly efficient EVI compressor

Thanks to the Scroll DC Inverter compressor with vapour injection (EVI), the heating efficiency is increased by up to 26% in ambient temperatures of up to -15°C, and 10% in cooling in temperatures of 43°C.

➔ Up to 200% simultaneous connection ratio

All the outdoor units in the Amazon range allow a simultaneous connection ratio of up to 200% for the Amazon IV HR, regarding the capacity of connected indoor units.

R-410A REFRIGERANT | MODULAR | CONDENSATION CONTROL | DC INVERTER COMPRESSOR | DC INVERTER EXTERNAL FAN

OUTDOOR UNIT MODEL			Combinable modules					
			K3F-252 DN4S	K3F-280 DN4S	K3F-335 DN4S	K3F-400 DN4S	K3F-450 DN4S	K3F-500 DN4S
Capacity		HP	8	10	12	14	16	18
Capacity	Cooling rated	kW	22.4	28	33.5	40	45	50
	Heating rated	kW	25	31.5	37.5	45	50	56
	Heating rated at -7°C	kW	25	31	31	43.1	45.7	49.5
Cooling input rated		W	6540	9780	11880	13210	17450	21990
Heating input rated		W	6300	9000	11830	12860	15870	17070
Heating input rated at -7°C		W	10100	14500	13500	18500	20500	20300
Energy efficiency	EER		3.43	2.90	2.82	3.03	2.58	2.27
	COP		3.97	3.50	3.17	3.50	3.15	3.28
	SEER		7.26	6.60	6.80	6.70	6.44	6.22
	∩s,c	%	287.3	261.2	269.1	263.2	254.7	245.7
	SCOP		4.29	4.39	4.60	4.27	4.33	4.40
	∩s,h	%	168.5	172.7	180.8	168	170.2	170.9
	COP -7°C		2.48	2.14	2.3	2.33	2.23	2.4
No. indoor units			64	64	64	64	64	64
Outdoor unit	Compressor type		Scroll Inverter	Scroll Inverter	Scroll Inverter	Scroll Inverter	Scroll Inverter	Scroll Inverter
	No. compressor		1	1	1	1	1	1
	No. fans		1	1	1	2	2	2
	Air flow	m³/h	9000	9500	10000	14000	14900	15800
	Static pressure	Pa	80	80	80	80	80	80
	Sound pressure	dB(A)	58	61	62	64	64	65
	Sound power level	dB(A)	78	82	83	84	88	88
	Width/height/depth	mm	990 / 1635 / 790	990 / 1635 / 790	990 / 1635 / 790	1340 / 1635 / 825	1340 / 1635 / 825	1340 / 1635 / 825
	Net weight	kg	232	232	232	300	300	300
	Power supply	V/ph/Hz	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50
	Power wiring	mm²	(4+T)x4	(4+T)x6	(4+T)x6	(4+T)x10	(4+T)x10	(4+T)x16
Shielded communication wiring		mm²	3x0,75	3x0,75	3x0,75	3x0,75	3x0,75	3x0,75
Refrigerant	Type refrigerant		R-410A	R-410A	R-410A	R-410A	R-410A	R-410A
	Refrigerant charge	kg	8	8	8	10	10	10
	Liquid pipe diameter	inch	1/2"	1/2"	1/2"	5/8"	5/8"	5/8"
	High pressure gas pipe diameter	inch	3/4"	3/4"	3/4"	7/8"	7/8"	7/8"
	Low pressure gas pipe diameter	inch	1"	1"	1"	1 1/8"	1 1/8"	1 1/8"
Working range	Outdoor temperature for cooling min./max.	°C	-15°C / 52°C	-15°C / 52°C	-15°C / 52°C	-15°C / 52°C	-15°C / 52°C	-15°C / 52°C
	Outdoor temperature for heating min./max.	°C	-25°C / 19°C	-25°C / 19°C	-25°C / 19°C	-25°C / 19°C	-25°C / 19°C	-25°C / 19°C
	Outdoor temperature for DHW min./max.	°C	-20°C / 43°C	-20°C / 43°C	-20°C / 43°C	-20°C / 43°C	-20°C / 43°C	-20°C / 43°C
Communication protocol			s6	s6	s6	s6	s6	s6

MODEL			KVBM-32 DN4S	KVBM-49 DN4S	KVBM-63 DN4S	KVBM-85 DN4S
Max. power per output		kW	32	16	16	16
Max. power per changeover box		kW	32	49	63	85
No. indoors per output			8	5	5	5
No. indoors per changeover box			8	20	30	47
No. outlets			1	4	6	10
Outdoor unit	Width/height/depth	mm	440 / 195 / 296	668 / 250 / 574	668 / 250 / 574	974 / 250 / 574
	Net weight	kg	10.5	33	36	51
	Power supply	V/ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
	Power wiring	mm²	(2+T)x2,5	(2+T)x2,5	(2+T)x2,5	(2+T)x2,5
Shielded communication wiring		mm²	3x0,75	3x0,75	3x0,75	3x0,75
Refrigerant	Liquid pipe diameter	inch	3/8" // 1/2"	3/8" // 1/2" // 5/8" // 3/4"	3/8" // 1/2" // 5/8" // 3/4"	3/8" // 5/8" // 3/4" // 7/8"
	High pressure gas pipe diameter	inch	5/8" // 3/4" // 7/8"	3/4" // 7/8" // 1 1/4"	3/4" // 7/8" // 1 1/4"	3/4" // 1 1/4" // 1 3/8"
	Low pressure gas pipe diameter	inch	1/2" // 5/8" // 3/4"	5/8" // 3/4" // 7/8" // 1 1/4"	5/8" // 3/4" // 7/8" // 1 1/4"	5/8" // 7/8" // 1 1/4"
	Outlet liquid pipe diameter	inch	1/4" // 3/8"	1/4" // 3/8"	1/4" // 3/8"	1/4" // 3/8"
	Outlet gas pipe diameter	inch	1/2" // 5/8"	1/2" // 5/8"	1/2" // 5/8"	1/2" // 5/8"

Accessories	MODEL
Branch pipes	KCMI 113 (FRG100+FRG200+FRG200)
Branch pipes	KCMI 213 (FRG100+FRG200+FRG300)
Branch pipes	KCMI 313 (FRG200+FRG300+FRG300)
Branch pipes	KCMI 413 (FRG200+FRG300+FRG400)
Branch pipes	KCMI 513 (FRG300+FRG400+FRG500)
Outdoor modules T-type branch pipes	KCMER 32
Outdoor modules T-type branch pipes	KCMER 33

NOTES:

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(2) The images on this sheet are indicative, and may differ from the actual machine.
(3) Cooling capacity conditions: Indoor temperature 27°C DB/19°C WB; Outdoor temperature 35°C DB; Equivalent length of piping 7.5 m with 0 m fall; Data calculated with Duct-type indoor unit. Heating capacity conditions: Indoor temperature 20°C DB; Outdoor temperature 7°C DB/6°C WB; Equivalent length of piping 7.5 m with 0 m fall; Data calculated with Duct-type indoor unit.
(4) The diameters given are for the piping that connects the combination of the outdoor unit with the first indoor branch for systems with total equivalent liquid piping lengths below 90 m. For systems with total equivalent liquid piping lengths of 90 or more, see the engineering data book in order to determine the diameters of the connecting piping.
(5) Sound pressure level measured at a position 1 m in front of the unit at a height of 1 m above the floor using a semi-anechoic chamber.

AMAZON
Indoor Units

DUCTS

R-410A REFRIGERANT · ON/OFF CONTACT · FRESH AIR SUPPLY · DRAINAGE PUMP · AIR INTAKE · DC INVERTER INTERNAL FAN · COMPATIBLE WITH AIRZONE

Power kW: 1.7 · 2.2 · 2.8 · 3.6 · 4.5 · 5.6 · 7.1 · 8 · 9 · 11.2 · 14

HIGH PRESSURE DUCTS

R-410A REFRIGERANT · ON/OFF CONTACT · DC INVERTER INTERNAL FAN · COMPATIBLE WITH AIRZONE

Power kW: 7.1 · 9 · 11.2 · 14 · 16 · 20 · 25 · 28 · 40 · 45 · 56

CASSETTE ART FLUX 360° 600x600

R-410A REFRIGERANT · AIR OUTLET 360° · ON/OFF CONTACT · DC INVERTER INTERNAL FAN · COMPATIBLE WITH AIRZONE

Power kW: 1.7 · 2.2 · 2.8 · 3.6 · 4.5 · 5.2

CASSETTE ART FLUX 360° 840x840

R-410A REFRIGERANT · AIR OUTLET 360° · ON/OFF CONTACT · FRESH AIR SUPPLY · DC INVERTER INTERNAL FAN · COMPATIBLE WITH AIRZONE

Power kW: 5.6 · 7.1 · 8 · 10 · 11.2 · 14

ONE WAY CASSETTE

R-410A REFRIGERANT · ON/OFF CONTACT · DC INVERTER INTERNAL FAN · COMPATIBLE WITH AIRZONE

Power kW: 2.2 · 3.6 · 7.1

FLOOR STANDING EXPOSED/CONCEALED

R-410A REFRIGERANT · ON/OFF CONTACT · DC INVERTER INTERNAL FAN · COMPATIBLE WITH AIRZONE

Power kW: 2.2 · 3.6 · 5.6 · 5.6 · 7.1

WALL-MOUNTED

R-410A REFRIGERANT · ON/OFF CONTACT · DC INVERTER INTERNAL FAN · COMPATIBLE WITH AIRZONE

Power kW: 1.7 · 2.2 · 2.8 · 3.6 · 4.5 · 5.6 · 8

CEILING / FLOOR

R-410A REFRIGERANT · ON/OFF CONTACT · DC INVERTER INTERNAL FAN · COMPATIBLE WITH AIRZONE

Power kW: 5.6 · 9 · 14

KAHU

R-410A REFRIGERANT

Power kW: From 2 to 56

HIGH TEMPERATURE HYDRAULIC MODULE

R-134A REFRIGERANT · R-410A REFRIGERANT · DOMESTIC HOT WATER · ON/OFF CONTACT · DC INVERTER COMPRESSOR

Power kW: 14

DUCTS

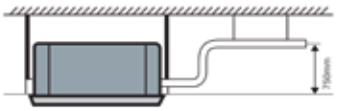
The Kaysun range for ducts for VRF systems in an excellent solution for places where it is necessary to distribute the air in a balanced way. Equipped with DC Inverter fans, they stand out for their compact, versatile design which fits perfectly within any false ceiling. A unit with all options available as standard.

➔ Capacity to adapt

It is possible to change the available pressure on the unit in order to adapt the unit to the installation in a way that is ideal.

➔ Air renewal

It is possible to add air from outdoors via a pre-stamped hole on the side of the unit, and thus introduce cleaner, fresher air within the premises without overlooking the temperature or well-being of the user.



➔ Condensation pump as standard

All units have a condensation pump with the capacity to raise the level of water to a height difference of 750 mm.

➔ Suction orientation

With the aim of facilitating installation, it is possible to fit the air return to the rear or bottom of the unit, with just a small change in orientation.

➔ Control options

Although wired controller is recommended for these units, by increasing the range of the receiver incorporated within the duct unit, it is possible to control the unit via a KI-04 S wireless controller.

➔ Energy efficiency

The Kaysun ducts use DC fans that constantly adapt operation and consumption to the needs of the unit, seeking maximum energy efficiency at all times.

KCT-03 SR
Recommended

R-410A REFRIGERANT · ON/OFF CONTACT · FRESH AIR SUPPLY · DRAINAGE PUMP · AIR INTAKE · DC INVERTER INTERNAL FAN · COMPATIBLE WITH AIRZONE

INDOOR UNIT MODEL			KPDF-17 DN4.0	KPDF-22 DN4.0	KPDF-28 DN4.0	KPDF-36 DN4.0	KPDF-45 DN4.0	KPDF-56 DN4.0
Capacity	Cooling rated	kW	1.7	2.2	2.8	3.6	4.5	5.6
	Heating rated	kW	2.2	2.6	3.2	4	5	6.3
Power input		W	40	40	40	45	92	92
Indoor unit	Air flow 7 speeds	m³/h	300 / 330 / 360 / 400 / 440 / 480 / 490	300 / 330 / 360 / 400 / 440 / 480 / 520	300 / 330 / 360 / 400 / 440 / 480 / 520	370 / 400 / 430 / 460 / 500 / 540 / 580	400 / 480 / 540 / 620 / 680 / 740 / 800	560 / 600 / 640 / 680 / 720 / 760 / 830
	Sound pressure 7 speeds	dB(A)	23 / 25 / 26 / 28 / 29 / 31 / 32	31 / 32 / 33 / 34 / 34 / 35 / 35	31 / 32 / 33 / 34 / 34 / 35 / 35	33 / 34 / 35 / 36 / 36 / 37 / 37	33 / 34 / 35 / 36 / 37 / 37 / 38	33 / 34 / 35 / 36 / 37 / 38 / 38
	Max. pressure available	Pa	50	50	50	50	50	50
	Width/height/depth	mm	780 / 210 / 500	780 / 210 / 500	780 / 210 / 500	780 / 210 / 500	1000 / 210 / 500	1000 / 210 / 500
	Air inlet width/height	mm	600/196	600/196	600/196	600/196	820/200	820/200
	Air outlet width/height	mm	512/145	512/145	512/145	512/145	732/145	732/145
	Net weight	kg	18	18	18	18	21.5	21.5
	Power supply	V/ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
	Power wiring	mm²	(2+T)x2,5	(2+T)x2,5	(2+T)x2,5	(2+T)x2,5	(2+T)x2,5	(2+T)x2,5
Shielded communication wiring		mm²	3x0,75	3x0,75	3x0,75	3x0,75	3x0,75	3x0,75
Refrigerant	Type refrigerant		R-410A	R-410A	R-410A	R-410A	R-410A	R-410A
	Liquid/gas pipe diameter	inch	1/4" / 1/2"	1/4" / 1/2"	1/4" / 1/2"	1/4" / 1/2"	1/4" / 1/2"	3/8" / 5/8"

INDOOR UNIT MODEL			KPDF-71 DN4.0	KPDF-80 DN4.0	KPDF-90 DN4.0	KPDF-112 DN4. 0	KPDF-140 DN4. 0
Capacity	Cooling rated	kW	7.1	8	9	11.2	14
	Heating rated	kW	8	9	10	12.5	15.5
Power input		W	98	110	120	200	250
Indoor unit	Air flow 7 speeds	m³/h	680 / 720 / 780 / 840 / 900 / 960 / 1000	780 / 860 / 940 / 1020 / 1100 / 1180 / 1260	780 / 860 / 940 / 1020 / 1100 / 1180 / 1260	1080 / 1140 / 1210 / 1290 / 1360 / 1430 / 1500	1360 / 1460 / 1560 / 1660 / 1760 / 1860 / 1960
	Sound pressure 7 speeds	dB(A)	34 / 35 / 36 / 37 / 38 / 39 / 40	37 / 38 / 39 / 41 / 42 / 43 / 44	37 / 38 / 39 / 41 / 42 / 43 / 44	37 / 39 / 41 / 43 / 44 / 46 / 47	38 / 39 / 41 / 43 / 44 / 46 / 47
	Max. pressure available	Pa	50	100	100	100	100
	Width/height/depth	mm	1220 / 210 / 500	1230 / 270 / 775	1230 / 270 / 775	1230 / 270 / 775	1290 / 300 / 865
	Air inlet width/height	mm	1040/200	1035/260	1035/260	1035/260	1094/288
	Air outlet width/height	mm	952/145	933/179	933/179	933/179	969/204
	Net weight	kg	27.5	36.5	37	37	46.5
	Power supply	V/ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
	Power wiring	mm²	(2+T)x2,5	(2+T)x2,5	(2+T)x2,5	(2+T)x2,5	(2+T)x2,5
Shielded communication wiring		mm²	3x0,75	3x0,75	3x0,75	3x0,75	3x0,75
Refrigerant	Type refrigerant		R-410A	R-410A	R-410A	R-410A	R-410A
	Liquid/gas pipe diameter	inch	3/8" / 5/8"	3/8" / 5/8"	3/8" / 5/8"	3/8" / 5/8"	3/8" / 5/8"

COMPATIBLE CONTROLLERS

Wireless controller

KI-04 S

Wired controller

KCT-03 SRPS (A)

WiFi controller

K01-WIFI

Purification accessories

PCO

For further information, see our Controllers and IAQ range.

Cooling and heating capacity. Power input: Rated conditions: Cooling 27°C BS/19°C BH indoor, 35°C BS outdoor. Heating 20°C BS indoor, 7°C BS/6°C BH outdoor. Piping length 7.5 m, Height 0 m.
Sound pressure: Measurement of the sound pressure is taken using a semi-anechoic chamber at a distance of 1 m from the machine at a height of 1.3 m.
Power wiring: The power wiring is up to 10 m approximately. It must be calculated more precisely for each installation.
Shielded communication wiring: If these units are installed with systems that are not s6 series external units, then shielded communication wires will be necessary.
Compatible controllers: These units can integrate one of the controllers from the table or the one recommended by Kaysun. For further information regarding compatibility, see the chapter on Controllers.

HIGH PRESSURE DUCTS

The Kaysun range of high pressure duct system is ideal for the climate control of large areas, as it provides high cooling power and available pressures of up to 300 Pa, in conjunction with high air flows. Thanks to the wide variety of outdoor units, it can also be adapted to any type of installation in an ideal manner.

➔ WiFi

It is possible to control Kaysun units via a tablet or smartphone as an option.

➔ Capacity of adapt

The Kaysun high pressure duct systems feature a high static pressure of up to 300 Pa to cover long ducting runs, which provides greater installation flexibility and precise climate control, even in rooms with high ceilings.

➔ Large air flows and excellent cooling power

The high pressure ducts are designed to handle high cooling power and large air flows, and thus control the climate in an optimum manner, without huge local or surface problems.

➔ Control options

Although wired controller is recommended for these units, by increasing the range of the receiver incorporated within the duct unit, it is possible to control the unit via a KI-04 S wireless controller.

➔ Energy efficiency

The Kaysun ducts use DC fans that constantly adapt operation and consumption to the needs of the unit, seeking maximum energy efficiency at all times.

KCT-03 SR
Recommended

R-410A REFRIGERANT | ON/OFF CONTACT | DC INVERTER INTERNAL FAN | COMPATIBLE WITH AIRZONE

INDOOR UNIT MODEL			KPDHF-71 DN4.0	KPDHF-90 DN4.0	KPDHF-112 DN4.0	KPDHF-140 DN4.0	KPDHF-160 DN4.0	KPDHF-200 DN4.0
Capacity	Cooling rated	kW	7.1	9	11.2	14	16	20
	Heating rated	kW	8	10	12.5	16	17	22.5
Power input		W	180	220	380	420	700	990
Indoor unit	Air flow 7 speeds	m³/h	1159 / 1197 / 1234 / 1264 / 1296 / 1333 / 1360	1151 / 1195 / 1237 / 1264 / 1328 / 1378 / 1428	1354 / 1429 / 1528 / 1614 / 1695 / 1775 / 1886	1601 / 1707 / 1818 / 1927 / 2033 / 2127 / 2258	1879 / 2013 / 2099 / 2239 / 2354 / 2501 / 2608	3745 / 3837 / 3941 / 4043 / 4144 / 4237 / 4358
	Sound pressure 7 speeds	dB(A)	42 / 43 / 44 / 45 / 45 / 46 / 46	45 / 46 / 47 / 48 / 49 / 50 / 50	45 / 46 / 47 / 48 / 49 / 50 / 50	48 / 49 / 50 / 51 / 51 / 52 / 53	50 / 50 / 51 / 52 / 53 / 54 / 54	50 / 52 / 53 / 54 / 55 / 56 / 57
	Max. pressure available	Pa	200	200	200	200	200	250
	Width/height/depth	mm	952 / 420 / 690	952 / 420 / 690	952 / 420 / 690	1300 / 420 / 690	1300 / 420 / 690	1440 / 505 / 925
	Air inlet width/height	mm	722/400	722/400	722/400	1076/338	1076/338	1122/342
	Air outlet width/height	mm	428/255	428/255	428/255	933/250	933/250	936/378
	Net weight	kg	41	51	51	63	63	130
	Power supply	V/ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
	Power wiring	mm²	(2+T)x2,5	(2+T)x2,5	(2+T)x2,5	(2+T)x2,5	(2+T)x2,5	(2+T)x2,5
Shielded communication wiring		mm²	3x0,75	3x0,75	3x0,75	3x0,75	3x0,75	3x0,75
Refrigerant	Type refrigerant		R-410A	R-410A	R-410A	R-410A	R-410A	R-410A
	Liquid/gas pipe diameter	inch	3/8" / 5/8"	3/8" / 5/8"	3/8" / 3/4"	3/8" / 3/4"	3/8" / 3/4"	1/2" / 7/8"

INDOOR UNIT MODEL			KPDHF-250 DN4.0	KPDHF-280 DN4.0	KPDHF-400 DN4.0	KPDHF-450 DN4.0	KPDHF-560 DN4.0
Capacity	Cooling rated	kW	25	28	40	45	56
	Heating rated	kW	26	31.5	45	56	63
Power input		W	1200	1200	1585	1585	2272
Indoor unit	Air flow 7 speeds	m³/h	3745 / 3837 / 3941 / 4043 / 4144 / 4237 / 4358	3745 / 3837 / 3941 / 4043 / 4144 / 4237 / 4358	4400 / 4750 / 5100 / 5450 / 5800 / 6150 / 6500	4400 / 4750 / 5100 / 5450 / 5800 / 6150 / 6500	5000 / 5400 / 5800 / 6200 / 6600 / 7000 / 7400
	Sound pressure 7 speeds	dB(A)	50 / 52 / 53 / 54 / 55 / 56 / 57	50 / 52 / 53 / 54 / 55 / 56 / 57	49 / 51 / 53 / 54 / 55 / 56 / 57	49 / 51 / 53 / 54 / 55 / 56 / 57	51 / 53 / 55 / 56 / 57 / 58 / 59
	Max. pressure available	Pa	250	250	300	300	300
	Width/height/depth	mm	1440 / 505 / 925	1440 / 505 / 925	2010 / 680 / 905	2010 / 680 / 905	2010 / 680 / 905
	Air inlet width/height	mm	1122/342	1122/342	1600/500	1600/500	1600/500
	Air outlet width/height	mm	936/378	936/378	2x 316/333	2x 316/333	2x 316/333
	Net weight	kg	130	130	210	210	218
	Power supply	V/ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
	Power wiring	mm²	(2+T)x2,5	(2+T)x2,5	(2+T)x2,5	(2+T)x2,5	(2+T)x2,5
Shielded communication wiring		mm²	3x0,75	3x0,75	3x0,75	3x0,75	3x0,75
Refrigerant	Type refrigerant		R-410A	R-410A	R-410A	R-410A	R-410A
	Liquid/gas pipe diameter	inch	1/2" / 7/8"	1/2" / 7/8"	5/8" / 11/8"	5/8" / 11/8"	5/8" / 11/8"

COMPATIBLE CONTROLLERS

Wireless controller

KI-04 S

Wired controller

KCT-03 SRPS (A)

WiFi controller

K01-WIFI

Purification accessories

PCO

Cooling and heating capacity. Power input: Rated conditions: Cooling 27°C BS/19°C BH indoor, 35°C BS outdoor. Heating 20°C BS indoor, 7°C BS/6°C BH outdoor. Piping length 7.5 m, Height 0 m.
Sound pressure: Measurement of the sound pressure is taken using a semi-anechoic chamber at a distance of 1 m from the machine at a height of 1.3 m.
Power wiring: The power wiring is up to 10 m approximately. It must be calculated more precisely for each installation.
Shielded communication wiring: If these units are installed with systems that are not s6 series external units, then shielded communication wires will be necessary.
Compatible controllers: These units can integrate one of the controllers from the table or the one recommended by Kaysun. For further information regarding compatibility, see the chapter on Controllers.

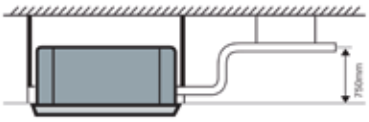
For further information, see our Controllers and IAQ range.

CASSETTE ART FLUX 360º 600x600

The Kaysun Cassette Compact 600x600 units with 360° conditioned air flow achieve uniform, rapid climate control which reached every corner of the room thanks to their DC Inverter fans.

➔ Condensation pump as standard

These machines incorporate condensation pumps as standard, which allow the water to be raised to a difference in height of 750 mm.



➔ Energy efficiency

These cassettes use DC fans that constantly adapt operation and consumption to the needs of the unit, seeking maximum energy efficiency at all times.

➔ WiFi

It is possible to control Kaysun units via a tablet or smartphone as an option.

➔ Control options

Although wireless controller is recommended for these units, there is the option to manage them via wire, thus increasing the possibilities to adapt to any installation.

➔ Greater comfort

The Kaysun cassette units are fitted with a 360° air diffusion system that allows them to control the climate in every corner of the room and provide maximum comfort to users.

R-410A REFRIGERANT | AIR OUTLET 360° | ON/OFF CONTACT | DC INVERTER INTERNAL FAN | COMPATIBLE WITH AIRZONE

KPA-03B5 W 600X600
Recommended panel

KI-04 S
Recommended

INDOOR UNIT MODEL			KCIF-17 DN4.0	KCIF-22 DN4.0	KCIF-28 DN4.0
Capacity	Cooling rated	kW	1.7	2.2	2.8
	Heating rated	kW	2.2	2.4	3.2
Power input		W	35	35	35
Indoor unit	Air flow 7 speeds	m³/h	238 / 268 / 288 / 300 / 313 / 345 / 380	405 / 441 / 462 / 503 / 524 / 552 / 576	405 / 441 / 462 / 503 / 524 / 552 / 576
	Sound pressure 7 speeds	dB(A)	22 / 23 / 26 / 29 / 33 / 34 / 35	22 / 23 / 26 / 29 / 33 / 34 / 35	22 / 23 / 26 / 29 / 33 / 34 / 35
	Width/height/depth	mm	630 / 260 / 570	630 / 260 / 570	630 / 260 / 570
	Net weight	kg	18	18	18
	Power supply	V/ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50
	Power wiring	mm²	(2+T)x2,5	(2+T)x2,5	(2+T)x2,5
Panel	Width/height/depth	mm	647 / 50 / 647	648 / 50 / 648	648 / 50 / 648
	Net weight	kg	2.5	2.5	2.5
Shielded communication wiring		mm²	3x0,75	3x0,75	3x0,75
Refrigerant	Type refrigerant		R-410A	R-410A	R-410A
	Liquid/gas pipe diameter	inch	1/4" / 1/2"	1/4" / 1/2"	1/4" / 1/2"

INDOOR UNIT MODEL			KCIF-36 DN4.0	KCIF-45 DN3.0	KCIF-52 DN4.0
Capacity	Cooling rated	kW	3.6	4.5	5.2
	Heating rated	kW	4	5	5.6
Power input		W	40	50	62
Indoor unit	Air flow 7 speeds	m³/h	400 / 434 / 478 / 516 / 541 / 573 / 604	400 / 434 / 478 / 516 / 541 / 573 / 604	350 / 380 / 410 / 446 / 481 / 580 / 635
	Sound pressure 7 speeds	dB(A)	28 / 29 / 30 / 32 / 35 / 38 / 41	28 / 29 / 30 / 32 / 35 / 38 / 41	28 / 29 / 30 / 32 / 35 / 48 / 52
	Width/height/depth	mm	630 / 260 / 570	630 / 260 / 570	630 / 260 / 570
	Net weight	kg	19.2	19.2	19.2
	Power supply	V/ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50
	Power wiring	mm²	(2+T)x2,5	(2+T)x2,5	(2+T)x2,5
Panel	Width/height/depth	mm	648 / 50 / 648	648 / 50 / 648	647 / 50 / 647
	Net weight	kg	2.5	2.5	2.5
Shielded communication wiring		mm²	3x0,75	3x0,75	3x0,75
Refrigerant	Type refrigerant		R-410A	R-410A	R-410A
	Liquid/gas pipe diameter	inch	1/4" / 1/2"	1/4" / 1/2"	1/4" / 1/2"

COMPATIBLE CONTROLLERS

Wired controller

KCT-03 SR

KCT-03 SRPS (A)

WiFi controller

K01-WIFI

Cooling and heating capacity. Power input: Rated conditions: Cooling 27°C BS/19°C BH indoor, 35°C BS outdoor. Heating 20°C BS indoor, 7°C BS/6°C BH outdoor. Piping length 7.5 m, Height 0 m.
Sound pressure: Measurement of the sound pressure is taken using a semi-anechoic chamber at a distance of 1 m from the machine at a height of 1.3 m.
Power wiring: The power wiring is up to 10 m approximately. It must be calculated more precisely for each installation.
Shielded communication wiring: If these units are installed with systems that are not s6 series external units, then shielded communication wires will be necessary.
Compatible controllers: These units can integrate one of the controllers from the table or the one recommended by Kaysun. For further information regarding compatibility, see the chapter on Controllers.

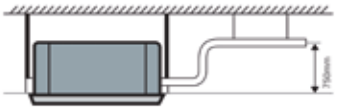
For further information, see our Controllers range.

CASSETTE ART FLUX 360º 840x840

The Kaysun Cassette 840x840 units are an ideal solution to install in any type of ceiling and obtain climate control in optimum conditions. Thanks to the DC Inverter fan and the panel with 360° air flow, uniform, rapid, far-reaching climate control is achieved.

➔ Energy efficiency

These cassettes use DC fans that constantly adapt operation and consumption to the needs of the unit, seeking maximum energy efficiency at all times.



➔ Condensation pump as standard

These machines incorporaate condensation pumps as standard, which allow the water to be raised to a difference in height of 750 mm.

➔ Air renewal

The possibility to send fresh air directly into the unit's suction area, with the aim of keeping the indoor environment renewed, fresh and healthy.

➔ WiFi

It is possible to control Kaysun units via a tablet or smartphone as an option.

➔ Greater comfort

The Kaysun cassette units are fitted with a 360° air diffusion system that allows them to control the climate in every corner of the room and provide maximum comfort to users.

➔ Control options

Although wireless controller is recommended for these units, there is the option to manage them via wire, thus increasing the possibilities to adapt to any installation.

R-410A REFRIGERANT | AIR OUTLET 360° | ON/OFF CONTACT | FRESH AIR SUPPLY | DC INVERTER INTERNAL FAN | COMPATIBLE WITH AIRZONE

KPA-01E W 840X840
KPA-01E(S) 840x840
Recommended panel

KI-04 S
Recommended

INDOOR UNIT MODEL			KCIBF-56 DN4.0	KCIBF-71 DN4.0	KCIBF-80 DN4.0
Capacity	Cooling rated	kW	5.6	7.1	8
	Heating rated	kW	6.3	8	9
Power input		W	31	46	48
Indoor unit	Air flow 7 speeds	m³/h	704 / 756 / 801 / 857 / 899 / 957 / 1029	748 / 866 / 920 / 996 / 1065 / 1132 / 1200	811 / 893 / 975 / 1055 / 1117 / 1195 / 1264
	Sound pressure 7 speeds	dB(A)	34 / 35 / 36 / 38 / 39 / 41 / 43	34 / 35 / 37 / 39 / 41 / 43 / 45	35 / 36 / 38 / 40 / 42 / 44 / 46
	Width/height/depth	mm	904 / 230 / 840	904 / 230 / 840	904 / 230 / 840
	Net weight	kg	23.2	23.2	23.2
	Power supply	V/ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50
	Power wiring	mm²	(2+T)x2,5	(2+T)x2,5	(2+T)x2,5
Panel	Width/height/depth	mm	950 / 55 / 950	950 / 55 / 950	950 / 55 / 950
	Net weight	kg	5	5	5
Shielded communication wiring		mm²	3x0,75	3x0,75	3x0,75
Refrigerant	Type refrigerant		R-410A	R-410A	R-410A
	Liquid/gas pipe diameter	inch	3/8" / 5/8"	3/8" / 5/8"	3/8" / 5/8"

INDOOR UNIT MODEL			KCIBF-100 DN4.0	KCIBF-112 DN4.0	KCIBF-140 DN4.0
Capacity	Cooling rated	kW	10	11.2	14
	Heating rated	kW	11	12.5	16
Power input		W	75	75	94
Indoor unit	Air flow 7 speeds	m³/h	1034 / 1087 / 1154 / 1239 / 1365 / 1477 / 1596	1034 / 1087 / 1154 / 1239 / 1365 / 1477 / 1596	1224 / 1289 / 1351 / 1426 / 1517 / 1622 / 1727
	Sound pressure 7 speeds	dB(A)	36 / 37 / 39 / 41 / 43 / 45 / 47	36 / 37 / 39 / 41 / 43 / 45 / 47	35 / 36 / 38 / 45 / 46 / 48 / 50
	Width/height/depth	mm	904 / 300 / 840	904 / 300 / 840	904 / 300 / 840
	Net weight	kg	28.4	28.4	30.7
	Power supply	V/ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50
	Power wiring	mm²	(2+T)x2,5	(2+T)x2,5	(2+T)x2,5
Panel	Width/height/depth	mm	950 / 55 / 950	950 / 55 / 950	950 / 55 / 950
	Net weight	kg	5	5	5
Shielded communication wiring		mm²	3x0,75	3x0,75	3x0,75
Refrigerant	Type refrigerant		R-410A	R-410A	R-410A
	Liquid/gas pipe diameter	inch	3/8" / 5/8"	3/8" / 5/8"	3/8" / 5/8"

COMPATIBLE CONTROLLERS

Wired controller

KCT-03 SR

KCT-03 SRPS (A)

WiFi controller

K01-WIFI

Cooling and heating capacity. Power input: Rated conditions: Cooling 27°C BS/19°C BH indoor, 35°C BS outdoor. Heating 20°C BS indoor, 7°C BS/6°C BH outdoor. Piping length 7.5 m, Height 0 m.
Sound pressure: Measurement of the sound pressure is taken using a semi-anechoic chamber at a distance of 1 m from the machine at a height of 1.3 m.
Power wiring: The power wiring is up to 10 m approximately. It must be calculated more precisely for each installation.
Shielded communication wiring: If these units are installed with systems that are not s6 series external units, then shielded communication wires will be necessary.
Compatible controllers: These units can integrate one of the controllers from the table or the one recommended by Kaysun. For further information regarding compatibility, see the chapter on Controllers.

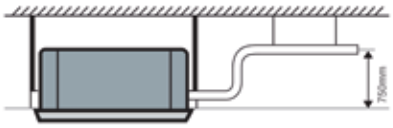
For further information, see our Controllers range.

ONE WAY CASSETTE

Units featuring a compact, light design, making the installation of the unit much easier. Thanks to its contained profile of only 153 mm, depending on the capacity, they are ideal to install in very shallow false ceiling.

➔ Condensation pump as standard

These machines incorporate condensation pumps as standard, which allow the water to be raised to a difference in height of 750 mm.

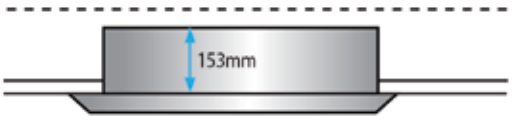


➔ Air renewal

The possibility to send fresh air directly into the unit's suction area, with the aim of keeping the indoor environment renewed, fresh and healthy.

➔ WiFi

It is possible to control Kaysun units via a tablet or smartphone as an option.



➔ Very compact unit

They are extremely compact units capable of fitting within any false ceiling. The two units with the least capacity only need a height of 153 mm in the false ceiling.

➔ Control options

Although wireless controller is recommended for these units, there is the option to manage them via wire, thus increasing the possibilities to adapt to any installation.

R-410A REFRIGERANT | ON/OFF CONTACT | DC INVERTER INTERNAL FAN | COMPATIBLE WITH AIRZONE

KCOF 22-36 W
Recommended panel

KCOF 71 W
Recommended panel

KI-04 S
Recommended

INDOOR UNIT MODEL			KCOF-22 DN4.0	KCOF-36 DN4.0	KCOF-71 DN4.0
Capacity	Cooling rated	kW	2.2	3.6	7.1
	Heating rated	kW	2.6	4	8
Power input		W	25	30	60
Indoor unit	Air flow 7 speeds	m³/h	275 / 312 / 360 / 404 / 448 / 482 / 523	315 / 364 / 420 / 456 / 492 / 531 / 573	592 / 637 / 689 / 749 / 815 / 873 / 933
	Sound pressure 7 speeds	dB(A)	30 / 31 / 32 / 34 / 35 / 36 / 37	34 / 35 / 35 / 36 / 37 / 38 / 39	37 / 38 / 39 / 41 / 42 / 43 / 44
	Width/height/depth	mm	1054 / 153 / 425	1054 / 153 / 425	1275 / 189 / 450
	Net weight	kg	11.8	12.3	17.6
	Power supply	V/ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50
	Power wiring	mm²	(2+T)x2,5	(2+T)x2,5	(2+T)x2,5
Panel	Width/height/depth	mm	1180 / 25 / 465	1180 / 25 / 465	1350 / 25 / 505
	Net weight	kg	3.5	3.5	4
Shielded communication wiring		mm²	3x0,75	3x0,75	3x0,75
Refrigerant	Type refrigerant		R-410A	R-410A	R-410A
	Liquid/gas pipe diameter	inch	1/4" / 1/2"	1/4" / 1/2"	3/8" / 5/8"

COMPATIBLE CONTROLLERS

Wired controller

KCT-03 SR

KCT-03 SRPS (A)

WiFi controller

K01-WIFI

Cooling and heating capacity. Power input: Rated conditions: Cooling 27°C BS/19°C BH indoor, 35°C BS outdoor. Heating 20°C BS indoor, 7°C BS/6°C BH outdoor. Piping length 7.5 m, Height 0 m.
Sound pressure: Measurement of the sound pressure is taken using a semi-anechoic chamber at a distance of 1 m from the machine at a height of 1.3 m.
Power wiring: The power wiring is up to 10 m approximately. It must be calculated more precisely for each installation.
Shielded communication wiring: If these units are installed with systems that are not s6 series external units, then shielded communication wires will be necessary.
Compatible controllers: These units can integrate one of the controllers from the table or the one recommended by Kaysun. For further information regarding compatibility, see the chapter on Controllers.

For further information, see our Controllers range.

FLOOR STANDING EXPOSED/CONCEALED

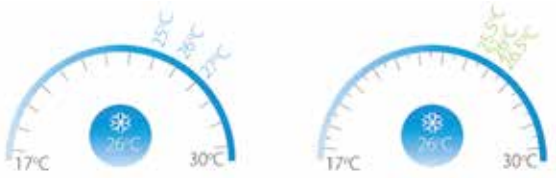
The streamlined design of this unit is the perfect solution for saving space as, thanks to its reduced depth, it enjoys flexible installation, from wall-mounted to floor standing, whether totally or partially recessed, thereby gracefully harmonising with the indoor design of the room.

➔ Energy efficiency

They use DC fans that constantly adapt operation and consumption to the needs of the unit, seeking maximum energy efficiency at all times.

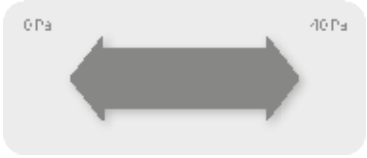
➔ WiFi

It is possible to control Kaysun units via a tablet or smartphone as an option.



➔ 0.5°C/1°C Setting of set-point temperature

The set temperature can be adjusted in 0.5°C or 1°C steps, providing precise comfort control.



➔ Adaptability thanks to high available pressure of 40 Pa

Available pressure of 40 Pa to enable recessing and the installation of a short duct. In that way the unit can fit invisibly within the space to be air conditioned.

R-410A REFRIGERANT | ON/OFF CONTACT | DC INVERTER INTERNAL FAN | COMPATIBLE WITH AIRZONE

KI-04 S
Recommended

FLOOR STANDING ONLY CONCEALED

INDOOR UNIT MODEL			KSEF-22 DN4.1	KSEF-36 DN4.1	KSEF-56 DN4.1
Capacity	Cooling rated	kW	2.2	3.6	5.6
	Heating rated	kW	2.4	4	6.3
Power input		W	35	41	47
Indoor unit	Air flow 7 speeds	m³/h	430 / 441 / 452 / 464 / 475 / 486 / 498	407 / 424 / 441 / 458 / 474 / 491 / 508	653 / 680 / 706 / 732 / 759 / 785 / 811
	Sound pressure 7 speeds	dB(A)	29 / 30 / 31 / 33 / 34 / 35 / 36	30 / 31 / 32 / 34 / 35 / 36 / 37	31 / 32 / 33 / 35 / 37 / 39 / 41
	Width/height/depth	mm	1020 / 495 / 200	1020 / 495 / 200	1360 / 591 / 200
	Net weight	kg	22.5	23.3	31.8
	Power supply	V/ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50
	Power wiring	mm²	(2+T)x2,5	(2+T)x2,5	(2+T)x2,5
Shielded communication wiring		mm²	3x0,75	3x0,75	3x0,75
Refrigerant	Type refrigerant		R-410A	R-410A	R-410A
	Liquid/gas pipe diameter	inch	1/4" / 1/2"	1/4" / 1/2"	1/4" / 1/2"

FLOOR STANDING EXPOSED/CONCEALED

			Until end of stock	
INDOOR UNIT MODEL			KS(E)F-56 DN4.0 W	KS(E)F-71 DN4.0 W
Capacity	Cooling rated	kW	5.6	7.1
	Heating rated	kW	6.3	8
Power input		W	88	110
Indoor unit	Air flow 7 speeds	m³/h	830 / 886 / 925 / 970 / 1028 / 1094 / 1150	870 / 955 / 1033 / 1100 / 1205 / 1290 / 1380
	Sound pressure 7 speeds	dB(A)	31 / 32 / 33 / 35 / 37 / 39 / 41	33 / 35 / 37 / 39 / 40 / 42 / 44
	Width/height/depth	mm	1345 / 544 / 212	1345 / 544 / 212
	Width/height/depth concealed	mm	1500 / 596 / 225	1500 / 596 / 225
	Net weight	kg	30.5	30.5
	Net weight concealed	kg	40	40
	Power supply	V/ph/Hz	220-240/1/50	220-240/1/50
	Power wiring	mm²	(2+T)x2,5	(2+T)x2,5
Shielded communication wiring		mm²	3x0,75	3x0,75
Refrigerant	Type refrigerant		R-410A	R-410A
	Liquid/gas pipe diameter	inch	3/8" / 5/8"	3/8" / 5/8"

COMPATIBLE CONTROLLERS

Wired controller

KCT-03 SR

KCT-03 SRPS (A)

WiFi controller

K01-WIFI

Cooling and heating capacity. Power input: Rated conditions: Cooling 27°C BS/19°C BH indoor, 35°C BS outdoor. Heating 20°C BS indoor, 7°C BS/6°C BH outdoor. Piping length 7.5 m, Height 0 m.
Sound pressure: Measurement of the sound pressure is taken using a semi-anechoic chamber at a distance of 1 m from the machine at a height of 1.3 m.
Power wiring: The power wiring is up to 10 m approximately. It must be calculated more precisely for each installation.
Shielded communication wiring: If these units are installed with systems that are not s6 series external units, then shielded communication wires will be necessary.
Compatible controllers: These units can integrate one of the controllers from the table or the one recommended by Kaysun. For further information regarding compatibility, see the chapter on Controllers.

For further information, see our Controllers range.

WALL-MOUNTED

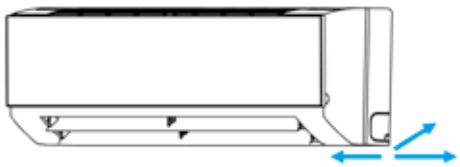
The wall-mounted units are outstanding due to their DC Inverter fans and the smart design of their panel. They include an LED display located at the centre of the unit that provide a modern design thanks to the most advanced technology in the market.

➔ Energy efficiency

They use DC fans that constantly adapt operation and consumption to the needs of the unit, seeking maximum energy efficiency at all times.

➔ WiFi

It is possible to control Kaysun units via a tablet or smartphone as an option.

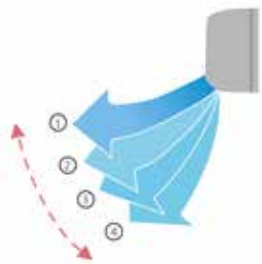


➔ Installation flexibility

Although the piping is located on the right side of the machine, it can run out in three positions thanks to its design.

➔ Control options

Although wireless controller is recommended for these units, there is the option to manage them via wire, thus increasing the possibilities to adapt to any installation.



➔ Greater comfort

This type of unit is capable of opening the vertical air flow louvre up to 90°, in addition to featuring the automatic swing function.

KI-04 S
Recommended

R-410A REFRIGERANT | ON/OFF CONTACT | DC INVERTER INTERNAL FAN | COMPATIBLE WITH AIRZONE

INDOOR UNIT MODEL			KAYF-17 DN4.0	KAYF-22 DN4.0	KAYF-28 DN4.0	KAYF-36 DN4.0
Capacity	Cooling rated	kW	1.7	2.2	2.8	3.6
	Heating rated	kW	2.2	2.4	3.2	4
Power input		W	28	28	28	30
Indoor unit	Air flow 7 speeds	m³/h	356 / 368 / 378 / 385 / 393 / 402 / 411	356 / 368 / 380 / 393 / 402 / 411 / 422	316 / 338 / 353 / 370 / 386 / 402 / 417	488 / 515 / 544 / 573 / 591 / 628 / 656
	Sound pressure 7 speeds	dB(A)	29 / 29 / 29 / 30 / 30 / 30 / 31	29 / 29 / 29 / 30 / 30 / 30 / 31	29 / 29 / 29 / 30 / 30 / 30 / 31	30 / 30 / 31 / 31 / 32 / 32 / 33
	Width/height/depth	mm	835 / 280 / 203	835 / 280 / 203	835 / 280 / 203	990 / 315 / 223
	Net weight	kg	8.4	8.4	9.5	11.4
	Power supply	V/ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
	Power wiring	mm²	(2+T)x2,5	(2+T)x2,5	(2+T)x2,5	(2+T)x2,5
Shielded communication wiring		mm²	3x0,75	3x0,75	3x0,75	3x0,75
Refrigerant	Type refrigerant		R-410A	R-410A	R-410A	R-410A
	Liquid/gas pipe diameter	inch	1/4" / 1/2"	1/4" / 1/2"	1/4" / 1/2"	1/4" / 1/2"

INDOOR UNIT MODEL			KAYF-45 DN4.0	KAYF-56 DN4.0	KAYF-80 DN4.0
Capacity	Cooling rated	kW	4.5	5.6	8
	Heating rated	kW	5	6.3	9
Power input		W	40	45	55
Indoor unit	Air flow 7 speeds	m³/h	424 / 450 / 478 / 507 / 535 / 563 / 594	547 / 578 / 613 / 648 / 685 / 713 / 747	809 / 875 / 940 / 1005 / 1065 / 1130 / 1195
	Sound pressure 7 speeds	dB(A)	31 / 31 / 32 / 33 / 33 / 34 / 35	34 / 34 / 35 / 36 / 36 / 37 / 38	36 / 37 / 38 / 42 / 42 / 43 / 44
	Width/height/depth	mm	990 / 315 / 223	990 / 315 / 223	1194 / 343 / 262
	Net weight	kg	12.8	12.8	17
	Power supply	V/ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50
	Power wiring	mm²	(2+T)x2,5	(2+T)x2,5	(2+T)x2,5
Shielded communication wiring		mm²	3x0,75	3x0,75	3x0,75
Refrigerant	Type refrigerant		R-410A	R-410A	R-410A
	Liquid/gas pipe diameter	inch	1/4" / 1/2"	3/8" / 5/8"	3/8" / 5/8"

COMPATIBLE CONTROLLERS

Wired controller

KCT-03 SR

KCT-03 SRPS (A)

WiFi controller

K01-WIFI

Cooling and heating capacity. Power input: Rated conditions: Cooling 27°C BS/19°C BH indoor, 35°C BS outdoor. Heating 20°C BS indoor, 7°C BS/6°C BH outdoor. Piping length 7.5 m, Height 0 m.
Sound pressure: Measurement of the sound pressure is taken using a semi-anechoic chamber at a distance of 1 m from the machine at a height of 1.3 m.
Power wiring: The power wiring is up to 10 m approximately. It must be calculated more precisely for each installation.
Shielded communication wiring: If these units are installed with systems that are not s6 series external units, then shielded communication wires will be necessary.
Compatible controllers: These units can integrate one of the controllers from the table or the one recommended by Kaysun. For further information regarding compatibility, see the chapter on Controllers.

For further information, see our Controllers range.

CEILING / FLOOR

Machine featuring flexible installation with DC Inverter motors, compact design, suitable for any space. As its name suggests, they can be installed on the ceiling horizontal position and on the floor in vertical position. This is possible due to the design of its condensation tray.

➔ Capacity to adapt

As its name suggests, the adaptability of this indoor unit rests on the two possible types of installation. Thanks to its L-shaped condensation tray, it can be ceiling or floor-mounted.

➔ WiFi

It is possible to control Kaysun units via a tablet or smartphone as an option.

➔ Energy efficiency

They use DC fans that constantly adapt operation and consumption to the needs of the unit, seeking maximum energy efficiency at all times.

➔ Control options

Although wireless controller is recommended for these units, there is the option to manage them via wire, thus increasing the possibilities to adapt to any installation.

➔ Comfort

Air flow with less turbulence. Thanks to the multi-blade fan and the design of its louvers, the air flow is gentler and more comfortable.

R-410A REFRIGERANT | ON/OFF CONTACT | DC INVERTER INTERNAL FAN | COMPATIBLE WITH AIRZONE

KI-04 S
Recommended

INDOOR UNIT MODEL			KPCF-56 DN4.0 W	KPCF-90 DN4.0 W	KPCF-140 DN4.0 W
Capacity	Cooling rated	kW	5.6	9	14
	Heating rated	kW	6.3	10	15
Power input		W	115	130	180
Indoor unit	Air flow 7 speeds	m³/h	720 / 755 / 792 / 830 / 860 / 895 / 930	1050 / 1085 / 1130 / 1170 / 1210 / 1245 / 1280	1580 / 1620 / 1660 / 1700 / 1765 / 1830 / 1890
	Sound pressure 7 speeds	dB(A)	38 / 38 / 39 / 41 / 41 / 42 / 43	40 / 41 / 42 / 43 / 43 / 44 / 45	42 / 43 / 44 / 45 / 45 / 46 / 47
	Width/height/depth	mm	990 / 660 / 203	1280 / 660 / 203	1670 / 660 / 244
	Net weight	kg	28	35	48
	Power supply	V/ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50
	Power wiring	mm²	(2+T)x2,5	(2+T)x2,5	(2+T)x2,5
Shielded communication wiring		mm²	3x0,75	3x0,75	3x0,75
Refrigerant	Type refrigerant		R-410A	R-410A	R-410A
	Liquid/gas pipe diameter	inch	3/8" / 5/8"	3/8" / 5/8"	3/8" / 5/8"

COMPATIBLE CONTROLLERS

Wired controller

KCT-03 SR

KCT-03 SRPS (A)

WiFi controller

K01-WIFI

Cooling and heating capacity. Power input: Rated conditions: Cooling 27°C BS/19°C BH indoor, 35°C BS outdoor. Heating 20°C BS indoor, 7°C BS/6°C BH outdoor. Piping length 7.5 m, Height 0 m.
Sound pressure: Measurement of the sound pressure is taken using a semi-anechoic chamber at a distance of 1 m from the machine at a height of 1.3 m.
Power wiring: The power wiring is up to 10 m approximately. It must be calculated more precisely for each installation.
Shielded communication wiring: If these units are installed with systems that are not s6 series external units, then shielded communication wires will be necessary.
Compatible controllers: These units can integrate one of the controllers from the table or the one recommended by Kaysun. For further information regarding compatibility, see the chapter on Controllers.

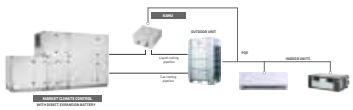
For further information, see our Controllers range.

KAHU

The Kaysun Amazon range of indoor units includes the KAHU interface. This accessory allows an air conditioning unit with a direct expansion coil of up to 56 kW to be connected to Kaysun VRF systems. This will act as an additional indoor unit within the cooling circuit.

➔ Full adaptability

KAHU features the option to add air conditioning units with a direct expansion coil to Kaysun Amazon 2-pipe VRF systems, and thus extend the adaptability of these units to the maximum number of installations possible. In addition, it is a very flexible system, as it allows us to add KAHU units in parallel, whether to control direct expansion exchangers with a cooling capacity of above 56 kW or to control several direct expansion coils in parallel within the same air conditioning unit.



s6 PROTOCOL

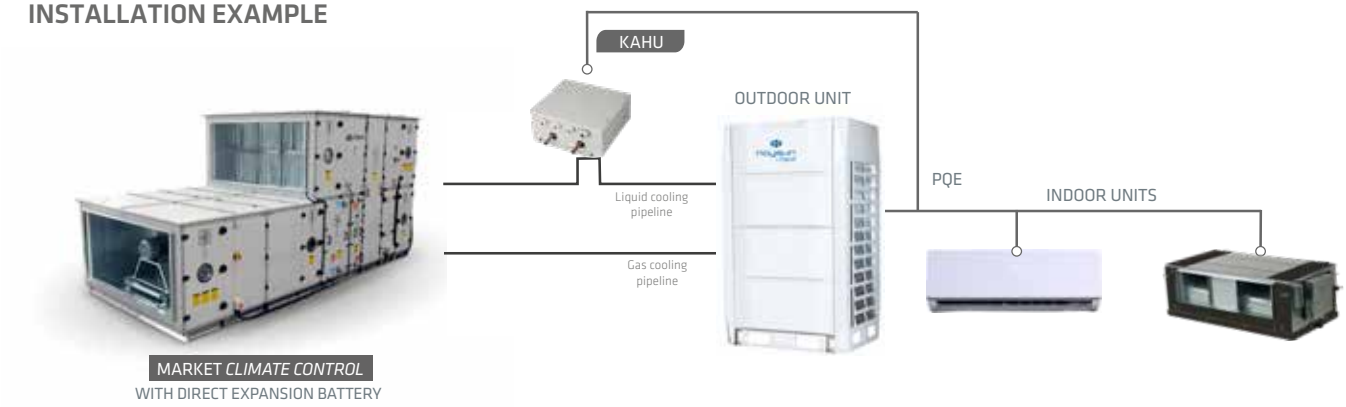
➔ Compatible with s6 communication protocol

The compatibility of the accessory extends the entire range of Kaysun s6 outdoor units.

➔ Full kit

The accessory includes all the elements necessary for the installation. KCT-05 SR controller as standard, expansion valves, temperature sensors, wires and electrical panel.

INSTALLATION EXAMPLE



frigicoll

R-410A
REFRIGERANT

KCT-03 SR
Standard

MODEL			KAHU-90.4	KAHU-200.4	KAHU-360.4	KAHU-560.4
Capacity	Cooling min./max.	kW	2.2 / 9	9 / 20	20 / 36	36 / 56
Indoor unit	Width/height/depth	mm	393 / 341 / 125	393 / 341 / 125	393 / 341 / 125	393 / 341 / 125
	Net weight	kg	5.6	5.6	5.9	6
	Power supply	V/ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
	Power wiring	mm²	(2+T)x2,5	(2+T)x2,5	(2+T)x2,5	(2+T)x2,5
Shielded communication wiring		mm²	3x0,75	3x0,75	3x0,75	3x0,75
Refrigerant	Type refrigerant		R-410A	R-410A	R-410A	R-410A
	Liquid/gas pipe diameter	inch	3/8" / 3/8"	3/8" / 3/8"	1/2" / 1/2"	5/8" / 5/8"

COMPATIBLE CONTROLLERS

WiFi Controller

K01-WIFI

Cooling capacity: Capacity can be adjusted via DIP switches on electronic board. Rated conditions: Cooling 27°C BS/19°C BH indoor, 35°C BS outdoor. Heating 20°C BS indoor, 7°C BS/6°C BH outdoor. Piping length 7.5 m, Height 0 m.
Power wiring: The power wiring is up to 10 m approximately. It must be calculated more precisely for each installation.
Compatible controllers: Connection to a centralised controller, management system or integraiton system, must be done via the outdoor unit. There are options for the various outdoor unit models.

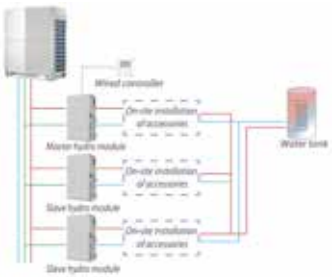
For further information, see our Controllers range.

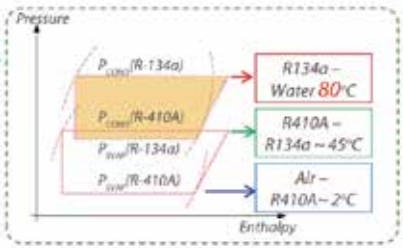
HIGH TEMPERATURE HYDRAULIC MODULE

Within the Kaysun Amazon indoor unit range is an indoor unit capable of generating hot water with discharge temperatures of up to 80°C. This generated hot water can be used as domestic hot water or in underfloor heating.

➔ Up to 10 modules per system

The system allows the connection of up to 10 units, through the master-slave connection, with powers ranging from 14 kW to 140 kW. Thus it is a versatile solution for homes or small offices, hotels, gyms or residential buildings.





➔ High temperatures of up to 80°C

The system allows the connection of up to 10 units, through the master-slave connection, with powers ranging from 14 kW to 140 kW. Thus it is a versatile solution for homes or small offices, hotels, gyms or residential buildings.

➔ Wired controller as standard

These units include wired controller as standard. Furthermore, the installation can be lengthened as necessary.

➔ Compatible with Smart Grid

Compatible with Smart Grid as standard, in order to provide the best possible combination of comfort, economy and durability.

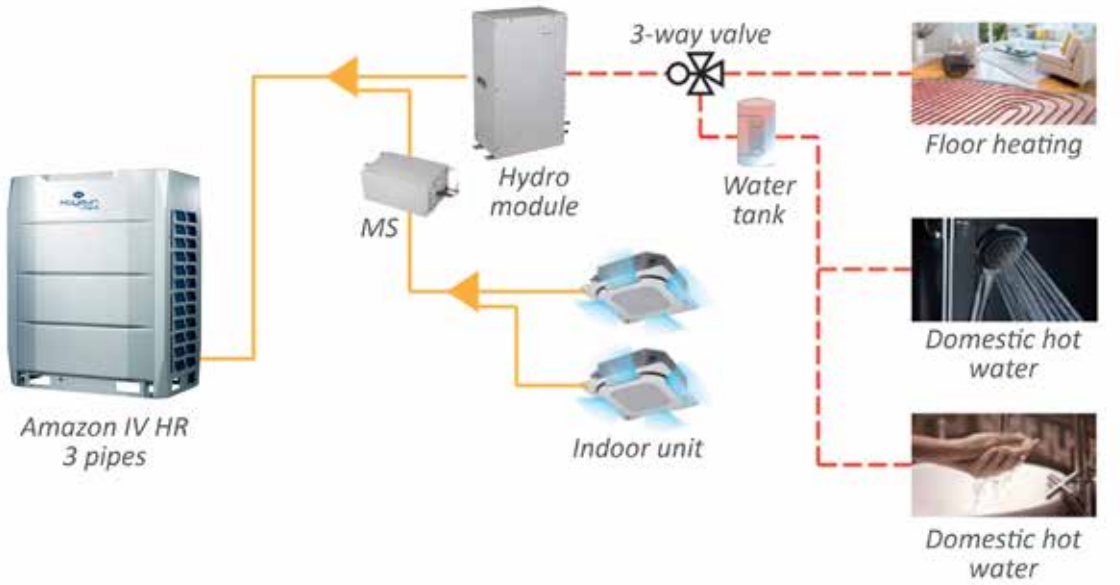
SG Ready
Smart Heat Pumps

R-134A REFRIGERANT | R-410A REFRIGERANT | DOMESTIC HOT WATER | ON/OFF CONTACT | DC INVERTER COMPRESSOR

KCT-03 SRPS-KWF
Included controller

MODEL			KWF-140 HT ACS
Capacity	Heating rated	kW	14
Power input		W	2984
Indoor unit	Sound pressure rated	dB(A)	43
	Width/height/depth	mm	450 / 795 / 300
	Net weight	kg	43
	Power supply	V/ph/Hz	220-240/1/50
	Power wiring	mm²	(2+T)x2,5
Shielded communication wiring		mm²	3x1,5
Refrigerant	Liquid/gas pipe diameter	inch	3/8" / 1/2"
Hydraulic system	Water flow rated (min./max.)	m³/h	2.4 (1.2 / 2.4)
	Water pipe connections inlet/outlet water	inch	DN25
Working range	Outdoor ambient temperature for heating min./max.	°C	-20°C / 30°C
	Outdoor ambient temperature for DHW min./max.	°C	-20°C / 43°C
	Water outlet temperature min./max.	°C	25°C / 80°C

INSTALLATION EXAMPLE:



MEASURING
PIPELINE DIMENSIONS

MINI AMAZON III SINGLE-PHASE 2 PIPES

HOW TO CHOOSE THE BRANCH AND THE REFRIGERANT PIPELINE

1 Selection of main pipe (L1) and its relevant drifter (A)

TABLE A

CAPACITY OF OUTDOOR UNIT (A×10)	EQUIVALENT LENGTH OF ALL LIQUID PIPES AND GAS PIPES < 90M			EQUIVALENT LENGTH OF ALL LIQUID PIPES AND GAS PIPES ≥ 90M		
	GAS PIPE (MM)	LIQUID PIPE (MM)	BRANCH JOINT KIT	GAS PIPE (MM)	LIQUID PIPE (MM)	BRANCH JOINT KIT
A<155	Ø15.9	Ø9.53	KCMI 112	Ø19.1	Ø9.53	KCMI 112
155≤A<230	Ø19.1	Ø9.53	KCMI 112	Ø22.2	Ø9.53	KCMI 212

Notes:
1. The main pipe (L1) and first indoor branch joint (A) should be sized according to whichever of Tables 3-3.4 and 3-3.5 indicates the larger size.
2. The straight distance between copper pipe turning and the contiguous branch pipe is at least 0.5 m.
3. The straight distance between the contiguous branch pipes is at least 0.5 m.
4. The straight distance which the branch pipes connected to the IDU is at least 0.5 m.

2 Selection of main and middle pipes (L1,L2,L3,L4,L5) and their respective drifters (A,B,C)

TABLE B

CAPACITY OF INDOOR UNIT (KW)	Gas pipe (mm)	Liquid pipe (mm)	Branch joint kit
A<160	Ø15.9	Ø9.53	KCMI 112
160≤A<230	Ø19.1	Ø9.53	KCMI 112

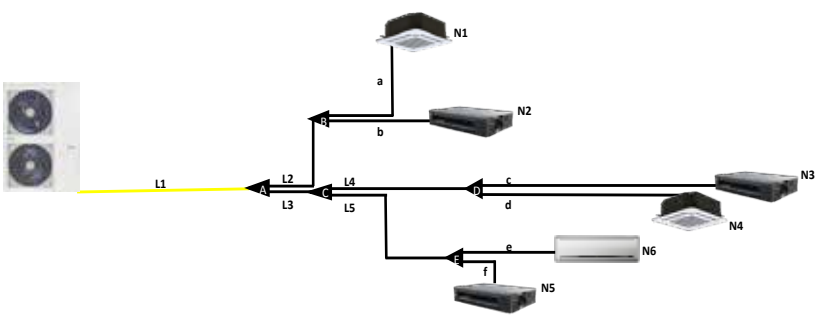
Notes:
1. The main pipe (L1) and first indoor branch joint (A) should be sized according to whichever of Tables 1 and 2 indicates the larger size.

3 Selection of the right pipe for indoor units (a,b,c,d,e,f)

TABLE C

CAPACITY OF INDOOR UNIT (A×100W)	GAS PIPE (MM)	LIQUID PIPE (MM)
A≤45	Ø12.7	Ø6.35
A≥56	Ø15.9	Ø9.53

Important:
Each elbow and drifter equals to a pipe of 0.5 metres.
The minimum distance between branch pipes is 0.5m.



MINI AMAZON II THREE-PHASE 2 PIPES

HOW TO CHOOSE THE BRANCH AND THE REFRIGERANT PIPELINE

1 Selection of main pipe (L1) and its relevant drifter (A)

TABLE A

CAPACITY OF OUTDOOR UNIT	TOTAL LENGTH OF LIQUID PIPE <45 M			TOTAL LENGTH OF LIQUID PIPE ≥45 M		
	PIPE DIAMETER MM (INCHES)		BRANCH	PIPE DIAMETER MM (INCHES)		BRANCH
	GAS	LIQUID		GAS	LIQUID	
From 8 kW to 14 kW	Ø15.9 (5/8")	Ø9.5 (3/8")	KCMI 112	Ø19.1 (3/4")	Ø12.7 (1/2")	KCMI 112
From 16 kW to 18 kW	Ø19.1 (3/4")	Ø9.5 (3/8")	KCMI 112	Ø22.2 (7/8")	Ø12.7 (1/2")	KCMI 212

Note: To select the main pipe, use the greater diameter between A and B.

2 Selection of main and middle pipes (L1,L2,L3,L4,L5) and their respective drifters (A,B,C)

TABLE B

CAPACITY OF UNITS CONNECTED TO DRIFTER OR OUTDOOR UNIT (X100W)	DISTANCE BETWEEN FIRST BRANCH PIPE AND THE FARTHEST INDOOR UNIT ≤20 M			DISTANCE BETWEEN FIRST BRANCH PIPE AND THE FARTHEST INDOOR UNIT ≤20 M		
	PIPE DIAMETER MM (INCHES)		BRANCH	PIPE DIAMETER MM (INCHES)		BRANCH
	GAS	LIQUID		GAS	LIQUID	
A<160	Ø15.9 (5/8")	Ø9.5 (3/8")	KCMI 112	Ø19.1 (3/4")	Ø12.7 (1/2")	KCMI 112
160≤A<230	Ø19.1 (3/4")	Ø9.5 (3/8")	KCMI 112	Ø22.2 (7/8")	Ø12.7 (1/2")	KCMI 212
230≤A<330	Ø22.2 (7/8")	Ø9.5 (3/8")	KCMI 212	Ø22.2 (7/8")	Ø12.7 (1/2")	KCMI 212

Note: The left side of this table corresponds to L1. Intermediate pipes may not be larger than the upper pipe. L1>=L2 and L1>=L3>=L4 or L5.

A - Capacity of indoor unit/units

3 Selection of the right pipe for indoor units (a,b,c,d,e,f)

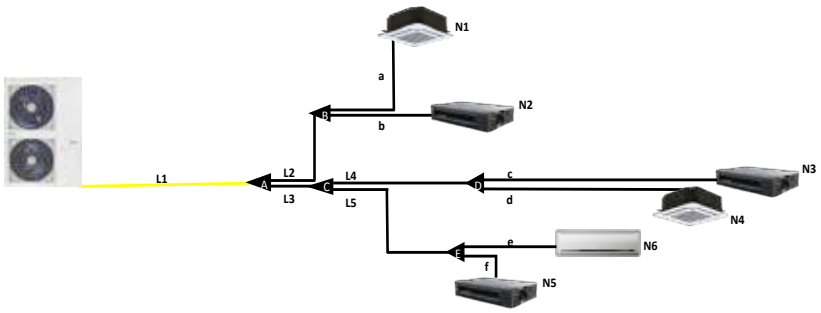
TABLE C

INDOOR UNIT TOTAL CAPACITY (X100W)	DISTANCE BETWEEN DRIFTER AND INDOOR UNIT ≤10 M		DISTANCE BETWEEN DRIFTER AND INDOOR UNIT >10 M*	
	PIPE DIAMETER MM (INCHES)		PIPE DIAMETER MM (INCHES)	
	GAS	LIQUID	GAS	LIQUID
A≤45	Ø12.7 (1/2")	Ø6.4 (1/4")	Ø15.9 (5/8")	Ø9.5 (3/8")
56≤A≤160	Ø15.9 (5/8")	Ø9.5 (3/8")	Ø19.1 (3/4")	Ø12.7 (1/2")

Note: *Applicable only when upper pipe is equal or higher than the diameter of the selected pipe. L4>=c and d.

A - Capacity of indoor unit/units

Important:
Each elbow and drifter equals to a pipe of 0.5 metres.
The minimum distance between branch pipes is 0.5m.



AMAZON UNITARIO III FRONT AIR DISCHARGE (FROM 20 TO 33.5 KW) 2 PIPES

HOW TO CHOOSE THE BRANCH AND THE REFRIGERANT PIPELINE

1 Selection of main pipe (L1) and its relevant drifter (A)

TABLE A

CAPACITY OF OUTDOOR UNIT (A×10)	EQUIVALENT LENGTH OF ALL LIQUID PIPES AND GAS PIPES < 90M			EQUIVALENT LENGTH OF ALL LIQUID PIPES AND GAS PIPES ≥ 90M		
	GAS PIPE (MM)	LIQUID PIPE (MM)	BRANCH JOINT KIT	GAS PIPE (MM)	LIQUID PIPE (MM)	BRANCH JOINT KIT
7/8 HP	Ø22.2	Ø9.53	KCMI 112	Ø25.4	Ø12.7	KCMI 212
9/10 HP	Ø22.2	Ø9.53	KCMI 112	Ø25.4	Ø12.7	KCMI 212
12 HP	Ø25.4	Ø9.53	KCMI 112	Ø25.4	Ø12.7	KCMI 212

Notes:
1. The main pipe (L1) and first indoor branch joint (A) should be sized according to whichever of Tables 1 and 2 indicates the larger size.

2 Selection of main and middle pipes (L1,L2,L3,L4,L5) and their respective branches (A,B,C)

TABLE B

TOTAL CAPACITY INDEXES OF INDOOR UNITS	GAS PIPE (MM)	LIQUID PIPE (MM)	BRANCH JOINT KIT
Capacity indexes < 166	Ø15.9	Ø9.5	KCMI 112
166 ≤ Capacity indexes < 230	Ø19.1	Ø9.53	KCMI 112
230 ≤ Capacity indexes < 330	Ø22.2	Ø9.53	KCMI 212
330 ≤ Capacity indexes < 470	Ø25.4	Ø12.7	KCMI 212

Notes:
1. The main pipe (L1) and first indoor branch joint (A) should be sized according to whichever of Tables 1 and 2 indicates the larger size.

3 Selection of the right pipe for indoor units (a,b,c,d,e,f)

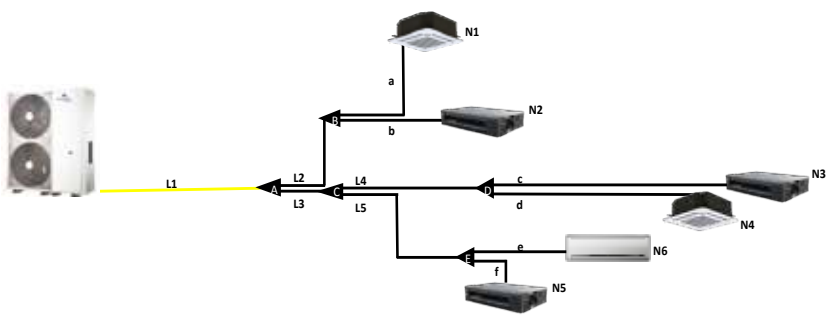
TABLE C

CAPACITY OF INDOOR UNIT (KW)	GAS PIPE (MM)	LIQUID PIPE (MM)
≤45	Ø12.7	Ø6.35
≥56	Ø15.9	Ø9.53

Note: *Applicable only when upper pipe is equal or higher than the diameter of the selected pipe.

A - Capacity of indoor unit/units

Important:
Each elbow and drifter equals to a pipe of 0.5 metres.
The minimum distance between branch pipes is 0.5m.



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AMAZON UNITARIO FRONT AIR DISCHARGE (FROM 40 TO 45 KW) 2 PIPES

HOW TO CHOOSE THE BRANCH AND THE REFRIGERANT PIPELINE

1 Selection of main pipe (L1) and its relevant drifter (A)

TABLE A

CAPACITY OF OUTDOOR UNIT	TOTAL LENGTH OF LIQUID PIPE <45 M			TOTAL LENGTH OF LIQUID PIPE ≥45 M		
	PIPE DIAMETER MM (INCHES)		BRANCH	PIPE DIAMETER MM (INCHES)		BRANCH
	GAS	LIQUID		GAS	LIQUID	
40 kW	Ø25.4 (1")	Ø12.7 (1/2")	KCMI 312	Ø28.6 (1"-1/8)	Ø15.9 (5/8")	KCMI 312
45 kW	Ø25.4 (1")	Ø12.7 (1/2")	KCMI 312	Ø28.6 (1"-1/8)	Ø15.9 (5/8")	KCMI 312

Note: To select the main pipe, use the greater diameter between A and B.

2 Selection of main and middle pipes (L1,L2,L3,L4,L5) and their respective branches (A,B,C)

TABLE B

CAPACITY OF UNITS CONNECTED TO DRIFTER OR OUTDOOR UNIT (X100W)	DISTANCE BETWEEN FIRST BRANCH PIPE AND THE FARTHEST INDOOR UNIT ≤20 M			DISTANCE BETWEEN FIRST BRANCH PIPE AND THE FARTHEST INDOOR UNIT ≤20 M		
	PIPE DIAMETER MM (INCHES)		BRANCH	PIPE DIAMETER MM (INCHES)		BRANCH
	GAS	LIQUID		GAS	LIQUID	
A<166	Ø15.9 (5/8")	Ø9.5 (3/8")	KCMI 112	Ø19.1 (3/4")	Ø12.7 (1/2")	KCMI 112
166≤A<230	Ø19.1 (3/4")	Ø9.5 (3/8")	KCMI 112	Ø22.2 (7/8")	Ø12.7 (1/2")	KCMI 212
230≤A<330	Ø22.2 (7/8")	Ø9.5 (3/8")	KCMI 212	Ø25.4 (1")	Ø12.7 (1/2")	KCMI 312
330≤A<460	Ø25.4 (1")	Ø12.7 (1/2")	KCMI 312	Ø28.6 (1"-1/8)	Ø15.9 (5/8")	KCMI 312
460≤A<660	Ø28.6 (1"-1/8)	Ø15.9 (5/8")	KCMI 312	Ø28.6 (1"-1/8)	Ø15.9 (5/8")	KCMI 312

Note: The left side of this table corresponds to L1.
Intermediate pipes may not be larger than the upper pipe. L1>=L2 and L1>=L3>=L4 or L5

A - Capacity of indoor unit/units

3 Selection of the right pipe for indoor units (a,b,c,d,e,f)

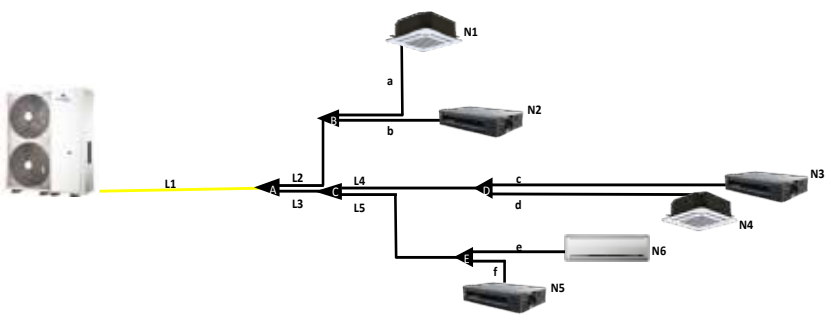
TABLE C

INDOOR UNIT TOTAL CAPACITY (X100W)	DISTANCE BETWEEN DRIFTER AND INDOOR UNIT ≤10 M		DISTANCE BETWEEN DRIFTER AND INDOOR UNIT >10 M*	
	PIPE DIAMETER MM (INCHES)		PIPE DIAMETER MM (INCHES)	
	GAS	LIQUID	GAS	LIQUID
A≤45	Ø12.7 (1/2")	Ø6.4 (1/4")	Ø15.9 (5/8")	Ø9.5 (3/8")
56≤A≤160	Ø15.9 (5/8")	Ø9.5 (3/8")	Ø19.1 (3/4")	Ø12.7 (1/2")
200	Ø19.1 (3/4")	Ø9.5 (3/8")	Ø22.2 (7/8")	Ø12.7 (1/2")
250	Ø22.2 (7/8")	Ø9.5 (3/8")	Ø25.4 (1")	Ø12.7 (1/2")
280	Ø22.2 (7/8")	Ø9.5 (3/8")	Ø25.4 (1")	Ø12.7 (1/2")
400	Ø28.6 (1"-1/8)	Ø12.7 (1/2")	Ø28.6 (1"-1/8)	Ø12.7 (1/2")
450	Ø28.6 (1"-1/8)	Ø12.7 (1/2")	Ø28.6 (1"-1/8)	Ø12.7 (1/2")

Note: *Applicable only when upper pipe is equal or higher than the diameter of the selected pipe.
L4>=c and d

A - Capacity of indoor unit/units

Important:
Each elbow and drifter equals to a pipe of 0.5 metres.
The minimum distance between branch pipes is 0.5m.



AMAZON UNITARIO TOP AIR DISCHARGE 2 PIPES

HOW TO CHOOSE THE BRANCH AND THE REFRIGERANT PIPELINE

1 Selection of main pipe (L1) and its relevant drifter (A)

TABLE A

CAPACITY OF OUTDOOR UNIT	EQUIVALENT LENGTH OF ALL LIQUID PIPES AND GAS PIPES < 90M			EQUIVALENT LENGTH OF ALL LIQUID PIPES AND GAS PIPES ≥ 90M		
	GAS PIPE (MM)	LIQUID PIPE (MM)	BRANCH JOINT KIT	GAS PIPE (MM)	LIQUID PIPE (MM)	BRANCH JOINT KIT
8HP	Ø19.1	Ø9.53	KCMI 212	Ø22.2	Ø12.7	KCMI 212
10HP	Ø22.2	Ø9.53	KCMI 212	Ø25.4	Ø12.7	KCMI 212
12-14HP	Ø25.4	Ø12.7	KCMI 212	Ø28.6	Ø15.9	KCMI 312
16HP	Ø28.6	Ø12.7	KCMI 312	Ø31.8	Ø15.9	KCMI 312
18-24HP	Ø28.6	Ø15.9	KCMI 312	Ø31.8	Ø19.1	KCMI 312
26-32HP	Ø31.8	Ø19.1	KCMI 312	Ø38.1	Ø22.2	KCMI 412

Notes:
1. The main pipe (L1) and first indoor branch joint (A) should be sized according to whichever of Tables 1 and 2 indicates the larger size.

2 Selection of main and middle pipes (L1,L2,L3,L4,L5) and their respective drifters (A,B,C)

TABLE B

TOTAL CAPACITY INDEXES OF INDOOR UNITS	GAS PIPE (MM)	LIQUID PIPE (MM)	BRANCH JOINT KIT
Capacity indexes < 168	Ø15.9	Ø9.53	KCMI 112
168 ≤ Capacity indexes < 224	Ø19.1	Ø9.53	KCMI 112
224 ≤ Capacity indexes < 330	Ø22.2	Ø9.53	KCMI 212
330 ≤ Capacity indexes < 470	Ø28.6	Ø12.7	KCMI 312
470 ≤ Capacity indexes < 710	Ø28.6	Ø15.9	KCMI 312
710 ≤ Capacity indexes < 1040	Ø31.8	Ø19.1	KCMI 312
1040 ≤ Capacity indexes < 1540	Ø38.1	Ø19.1	KCMI 412

Notes:
1. The main pipe (L1) and first indoor branch joint (A) should be sized according to whichever of Tables 1 and 2 indicates the larger size.

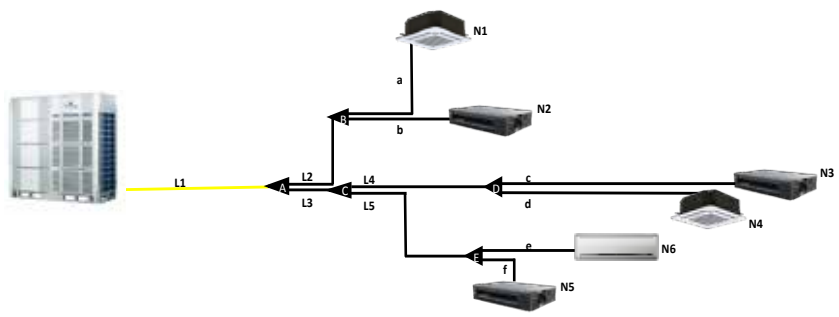
3 Selection of the right pipe for indoor units (a,b,c,d,e,f)

TABLE C

CAPACITY OF INDOOR UNIT (KW)	PIPE LENGTH ≤ 10M		PIPE LENGTH > 10M	
	GAS PIPE (MM)	LIQUID PIPE (MM)	GAS PIPE (MM)	LIQUID PIPE (MM)
≤ 4.5	Ø12.7	Ø6.35	Ø15.9	Ø9.53
≥ 5.6	Ø15.9	Ø9.53	Ø19.1	Ø12.7

Notes:
1. An indoor auxiliary pipe should not be larger than the indoor main pipe immediately upstream of it. For indoor auxiliary pipes greater than 10m in length with indoor units of capacity great than or equal to 5.6kW, the gas and liquid side pipes should each either be sized according to this table, or else be the same size as the indoor main pipe immediately upstream, whichever is smaller.

Important:
Each elbow and drifter equals to a pipe of 0.5 metres.
The minimum distance between branch pipes is 0.5m.



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AMAZON W 2 PIPES

HOW TO CHOOSE THE BRANCH AND THE REFRIGERANT PIPELINE

1 Selection of main pipe (L1) and its relevant drifter (A)

TABLE A

CAPACITY OF OUTDOOR UNIT	TOTAL LENGTH OF LIQUID PIPE <90 M			TOTAL LENGTH OF LIQUID PIPE ≥90 M		
	PIPE DIAMETER MM (INCHES)		BRANCH	PIPE DIAMETER MM (INCHES)		BRANCH
	GAS	LIQUID		GAS	LIQUID	
25.2 kW	Ø22.2 (7/8")	Ø9.5 (3/8")	KCMI 212	Ø22.2 (7/8")	Ø12.7 (1/2")	KCMI 212
28 kW	Ø22.2 (7/8")	Ø9.5 (3/8")	KCMI 212	Ø25.4 (1")	Ø12.7 (1/2")	KCMI 312
33.5 kW	Ø25.4 (1")	Ø12.7 (1/2")	KCMI 312	Ø28.6 (1"-1/8)	Ø15.9 (5/8")	KCMI 312
45 kW	Ø28.6 (1"-1/8)	Ø12.7 (1/2")	KCMI 312	Ø34.9 (1"-3/8)	Ø15.9 (5/8")	KCMI 312
From 50 to 61.5 kW	Ø28.6 (1"-1/8)	Ø15.9 (5/8")	KCMI 312	Ø34.9 (1"-3/8)	Ø19.1 (3/4")	KCMI 412
67 kW	Ø28.6 (1"-1/8)	Ø15.9 (5/8")	KCMI 312	Ø34.9 (1"-3/8)	Ø19.1 (3/4")	KCMI 412
From 73 to 95 kW	Ø34.9 (1"-3/8)	Ø19.1 (3/4")	KCMI 412	Ø41.3 (1"-5/8)	Ø22.2 (7/8")	KCMI 412
100 kW	Ø41.3 (1"-5/8)	Ø19.1 (3/4")	KCMI 412	Ø41.3 (1"-5/8)	Ø22.2 (7/8")	KCMI 412

Note: To select the main pipe, use the greater diameter between A and B.

2 Selection of main and middle pipes (L1,L2,L3,L4,L5) and their respective drifters (A,B,C)

TABLE B

CAPACITY OF UNITS CONNECTED TO DRIFTER OR OUTDOOR UNIT (x100W)	DISTANCE BETWEEN FIRST BRANCH PIPE AND THE FARTHEST INDOOR UNIT ≤40 M			DISTANCE BETWEEN FIRST BRANCH PIPE AND THE FARTHEST INDOOR UNIT ≤40 M		
	PIPE DIAMETER MM (INCHES)		BRANCH	PIPE DIAMETER MM (INCHES)		BRANCH
	GAS	LIQUID		GAS	LIQUID	
A<166	Ø15.9 (5/8")	Ø9.5 (3/8")	KCMI 112	Ø19.1 (3/4")	Ø12.7 (1/2")	KCMI 112
166≤A<230	Ø19.1 (3/4")	Ø9.5 (3/8")	KCMI 112	Ø22.2 (7/8")	Ø12.7 (1/2")	KCMI 212
230≤A<330	Ø22.2 (7/8")	Ø9.5 (3/8")	KCMI 212	Ø25.4 (1")	Ø12.7 (1/2")	KCMI 312
330≤A<460	Ø28.6 (1"-1/8)	Ø12.7 (1/2")	KCMI 312	Ø34.9 (1"-3/8)	Ø15.9 (5/8")	KCMI 412
460≤A<660	Ø28.6 (1"-1/8)	Ø15.9 (5/8")	KCMI 312	Ø34.9 (1"-3/8)	Ø19.1 (3/4")	KCMI 412
660≤A<920	Ø34.9 (1"-3/8)	Ø19.1 (3/4")	KCMI 412	Ø41.3 (1"-5/8)	Ø22.2 (7/8")	KCMI 412
920≤A<1350	Ø41.3 (1"-5/8)	Ø19.1 (3/4")	KCMI 412	Ø41.3 (1"-5/8)	Ø22.2 (7/8")	KCMI 412

Note: The left side of this table corresponds to L1. Intermediate pipes may not be larger than the upper pipe. A - Indoor units capacity
L1>=L2 and L1>=L3>=L4 or L5.

3 Selection of the right pipe for indoor units (a,b,c,d,e,f)

TABLE C

INDOOR UNIT TOTAL CAPACITY (x100W)	DISTANCE BETWEEN BRANCH AND INDOOR UNIT ≤10 M		DISTANCE BETWEEN BRANCH AND INDOOR UNIT >10 M*	
	PIPE DIAMETER MM (INCHES)		PIPE DIAMETER MM (INCHES)	
	GAS	LIQUID	GAS	LIQUID
A≤45	Ø12.7 (1/2")	Ø6.4 (1/4")	Ø15.9 (5/8")	Ø9.5 (3/8")
56≤A≤160	Ø15.9 (5/8")	Ø9.5 (3/8")	Ø19.1 (3/4")	Ø12.7 (1/2")
200	Ø19.1 (3/4")	Ø9.5 (3/8")	Ø22.2 (7/8")	Ø12.7 (1/2")
250	Ø22.2 (7/8")	Ø9.5 (3/8")	Ø25.4 (1")	Ø12.7 (1/2")
280	Ø22.2 (7/8")	Ø9.5 (3/8")	Ø25.4 (1")	Ø12.7 (1/2")
400	Ø28.6 (1"-1/8)	Ø12.7 (1/2")	Ø28.6 (1"-1/8)	Ø12.7 (1/2")
450	Ø28.6 (1"-1/8)	Ø12.7 (1/2")	Ø28.6 (1"-1/8)	Ø12.7 (1/2")
560	Ø28.6 (1"-1/8)	Ø15.9 (5/8")	Ø28.6 (1"-1/8)	Ø15.9 (5/8")

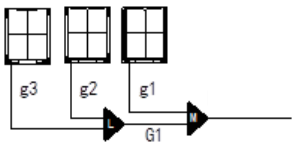
Note: *Applicable only when upper pipe is equal or higher than the diameter of the selected pipe. L4>=c and d. For 400,450 and 560kW capacities, when there are more than 40 metres from the first drifter to the unit, please refer the right side of Table B.

A - Capacity of indoor unit/units

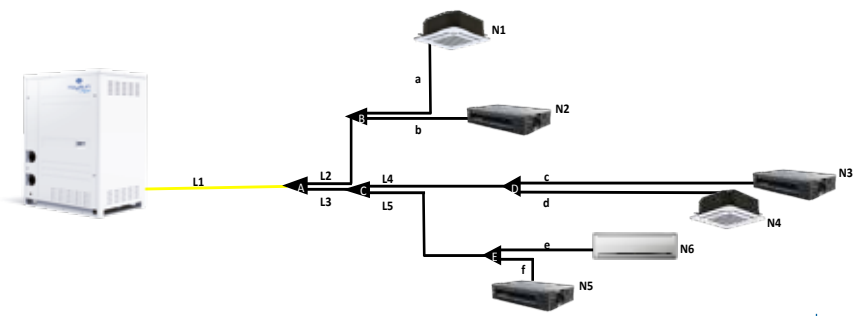
4 Selection of drifters (L,M) and pipes (G1,g1,g2,g3) of outdoor unit when there is more than one outdoor module.

TABLE D

NUMBER OF ONLINE OUTDOOR UNITS	BRANCH MODEL	PIPES	OUTDOOR UNIT MODULES CAPACITY	PIPE DIAMETER MM (INCHES)	
				GAS	LIQUID
2 (L)	KCME 12	Not required			
3 (L and M)	KCME 13	G1	All possibilities	Ø41.3 (1"-5/8)	Ø19.1 (3/4")
		g1,g2 and g3	From 25.2 to 28 kW	Ø25.4 (1")	Ø12.7 (1/2")
			33.5 kW	Ø28.6 (1"-1/8)	Ø15.9 (5/8")



Important:
Each elbow and drifter equals to a pipe of 0.5 metres.
The minimum distance between branch pipes is 0.5m.



AMAZON V 2 PIPES

HOW TO CHOOSE THE BRANCH AND THE REFRIGERANT PIPELINE

1 Selection of main pipe (L1) and its relevant drifter (A)

TABLE A

TOTAL CAPACITY OF THE OUTDOOR UNIT	PIPE SIZE LENGTH OF ALL LIQUID PIPE EQUIVALENT <90 M			PIPE SIZE LENGTH OF ALL LIQUID PIPE EQUIVALENT ≥90 M		
	PIPE SIZE MM (INCHES)		BRANCH PIPE	PIPE SIZE MM (INCHES)		BRANCH PIPE
	GAS PIPE	LIQUID PIPE		GAS PIPE	LIQUID PIPE	
8HP	Ø19.1	Ø9.53	KCMI 212	Ø22.2	Ø12.7	KCMI 212
10HP	Ø22.2	Ø9.53	KCMI 212	Ø25.4	Ø12.7	KCMI 212
12-14HP	Ø25.4	Ø12.7	KCMI 212	Ø28.6	Ø15.9	KCMI 312
16HP	Ø28.6	Ø12.7	KCMI 312	Ø31.8	Ø15.9	KCMI 312
18-24HP	Ø28.6	Ø15.9	KCMI 312	Ø31.8	Ø19.1	KCMI 312
26-34HP	Ø31.8	Ø19.1	KCMI 312	Ø38.1	Ø22.2	KCMI 412
36-54HP	Ø38.1	Ø19.1	KCMI 412	Ø41.3	Ø22.2	KCMI 412
56-66HP	Ø41.3	Ø19.1	KCMI 512	Ø44.5	Ø22.2	KCMI 512
68-82HP	Ø44.5	Ø22.2	KCMI 512	Ø54.0	Ø25.4	KCMI 512
84-96HP	Ø50.8	Ø25.4	KCMI 512	Ø54.0	Ø28.6	KCMI 512

Notes:

1. The main pipe (L1) and first indoor branch joint (A) should be sized according to whichever of Tables 1 and 2 indicates the larger size.

2 Selection of main and intermediate pipes (L1,L2,L3,L4,L5) and their respective drifters (A,B,C):

TABLE B

TOTAL CAPACITY INDEXES OF INDOOR UNITS	GAS PIPE (MM)	LIQUID PIPE (MM)	BRANCH JOINT KIT
Capacity indexes < 168	Ø15.9	Ø9.53	KCMI 112
168 ≤ Capacity indexes < 224	Ø19.1	Ø9.53	KCMI 112
224 ≤ Capacity indexes < 330	Ø22.2	Ø9.53	KCMI 212
330 ≤ Capacity indexes < 470	Ø28.6	Ø12.7	KCMI 312
470 ≤ Capacity indexes < 710	Ø28.6	Ø15.9	KCMI 312
710 ≤ Capacity indexes < 1040	Ø31.8	Ø19.1	KCMI 412
1040 ≤ Capacity indexes < 1540	Ø38.1	Ø19.1	KCMI 412
1540 ≤ Capacity indexes < 1800	Ø41.3	Ø19.1	KCMI 412
1800 ≤ Capacity indexes < 2450	Ø44.5	Ø22.2	KCMI 512
2450 ≤ Capacity indexes < 2690	Ø54.0	Ø25.4	KCMI 512
2690 ≤ Capacity indexes	Ø54.0	Ø28.6	KCMI 512

Notes:

1. L1 only consider left part of this table. And downstream pipe diameter couldn't bigger than upstream pipe. L1>=L9>=L14>=L15>=L16 or L1>=L9>=L10>=L11>=L12>=L13.

3 Selection of the right pipe for indoor units (a,b,c,d,e,f)

TABLE C

CAPACITY OF INDOOR UNIT (KW)	PIPE LENGTH ≤ 10M		PIPE LENGTH > 10M	
	GAS PIPE (MM)	LIQUID PIPE (MM)	GAS PIPE (MM)	LIQUID PIPE (MM)
≤ 4.5	Ø12.7	Ø6.35	Ø15.9	Ø9.53
≥ 5.6	Ø15.9	Ø9.53	Ø19.1	Ø12.7

Notes:

1. An indoor auxiliary pipe should not be larger than the indoor main pipe immediately upstream of it. For indoor auxiliary pipes greater than 10m in length with indoor units of capacity great than or equal to 5.6kW, the gas and liquid side pipes should each either be sized according to this table, or else be the same size as the indoor main pipe immediately upstream, whichever is smaller..

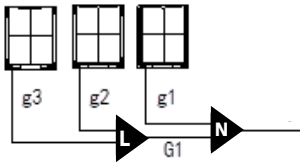
4 Selection of drifters (L,M,N) and pipes (G1,G2,g1,g2,g3,g4) of outdoor unit when there is more than one outdoor module.

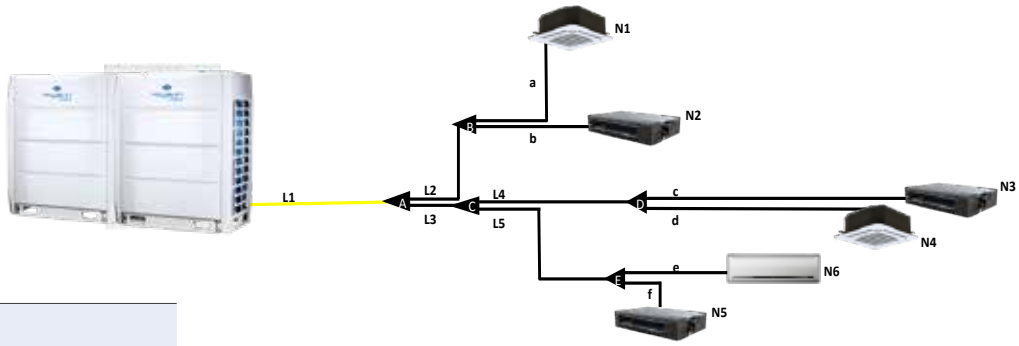
Table 4.1 - Outdoor connection pipes (g1 to g3, G1)

TABLE D			
PIPES	OUTDOOR UNIT CAPACITY	GAS PIPE (MM)	LIQUID PIPE (MM)
g1 to g3	8-12HP	Ø25,4	Ø12,7
	14-22HP	Ø34,9	Ø15,9
	24-32HP	Ø41,3	Ø19,1
G_1		Ø41,3	Ø22,2

Table 4.2 - Outdoor branch joint kits (L to M)

TABLE D	
NO. OF OUTDOOR UNITS	BRANCH JOINT KIT
2	KCME-12.6
3	KCME-13.6





Important:
Each elbow and drifter equals to a pipe of 0.5 metres.
The minimum distance between branch pipes is 0.5m.

AMAZON IV HR 3 PIPES

HOW TO CHOOSE THE BRANCH AND THE REFRIGERANT PIPELINE

1 Selection of main pipe (L1) and its relevant drifter (A)

TABLE A

OUTDOOR UNIT CAPACITY (HP)	PIPE DIAMETER (MM OD)			
	LIQUID PIPE	LOW PRESSURE GAS PIPE	HIGH PRESSURE GAS PIPE	BRANCH JOINT KIT
8	Ø9.53	Ø19.1	Ø15.9	KCMI 213
10	Ø9.53	Ø22.2	Ø19.1	KCMI 213
12	Ø12.7	Ø28.6	Ø19.1	KCMI 313
14-16	Ø12.7	Φ28.6	Ø22.2	KCMI 313
18	Ø15.9	Φ28.6	Ø22.2	KCMI 413
20-22	Ø15.9	Φ28.6	Ø28.6	KCMI 413
24	Ø15.9	Φ34.9	Ø28.6	KCMI 413
26-34	Ø19.1	Φ34.9	Ø28.6	KCMI 513
36	Ø19.1	Φ41.3	Ø28.6	KCMI 513
38-54	Ø19.1	Φ41.3	Ø34.9	KCMI 513

Notes:
1. When the equivalent piping length from outdoor units to the farthest indoor unit exceed 90 m, or the level difference is greater than 50 m (outdoor unit is above) or 40 m (outdoor unit is below), the liquid pipe of the main pipe (L1) should be increased as Table B.

2 Selection of main and intermediate pipes (L1,L2,L3,L4,L5,L6,L7,L8,L9,L10,L11) and their respective drifters (A,B,C,D,E):

TABLE B

TOTAL CAPACITY OF DOWNSTREAM INDOOR UNITS (×100W)	PIPE DIAMETER (MM OD)			BRANCH JOINT KIT
	LIQUID PIPE	LOW PRESSURE GAS PIPE	HIGH PRESSURE GAS PIPE	
≤ 168	Ø9.53	Ø15.9	Ø12.7	KCMI 113
168 ≤ A < 224	Ø9.53	Ø19.1	Ø15.9	KCMI 113
224 ≤ A < 330	Ø9.53	Ø22.2	Ø19.1	KCMI 213
330 ≤ A < 470	Ø12.7	Ø28.6	Ø19.1	KCMI 213
470 ≤ A < 710	Ø15.9	Ø28.6	Ø28.6	KCMI 313
710 ≤ A < 1040	Ø19.1	Ø34.9	Ø28.6	KCMI 313
1040 ≤ A	Ø19.1	Ø41.3	Ø28.6	KCMI 413

Notes:
1. Choose indoor main pipes from the above table in accordance with total downstream indoor capacity, which is the total capacity of all the indoor units, exclude HT hydro module, connected downstream.
2. If there are HT hydro module connected to the system, the pipes (L9, n, o), only HT hydro module connected downstream, are selected according to Table 2.1.

TABLE B

TOTAL CAPACITY OF DOWNSTREAM INDOOR UNITS (× 100W)	PIPE DIAMETER (MM OD)		BRANCH JOINT KIT
	LIQUID PIPE	GAS PIPE	
≤ 168	Ø9,53	Ø12,7	KCMI 112
168 ≤ B < 224	Ø9,53	Ø15,9	KCMI 112
224 ≤ B < 330	Ø9,53	Ø19,1	KCMI 112
330 ≤ B < 470	Ø12,7	Ø19,1	KCMI 112
470 ≤ B < 710	Ø15,9	Ø28,6	KCMI 312
710 ≤ B < 1040	Ø19,1	Ø28,6	KCMI 312
1040 ≤ B	Ø19,1	Ø28,6	KCMI 312

Notes:
1. One or more HT hydro modules can be connected in the system, HT hydro modules should be connecting to the first branch joint or its downstream branch joints, never connecting to the MS or header branches.
2. Choose HT hydro module pipes from the above table in accordance with total downstream HT hydro module capacity, which is the total capacity of all the HT hydro module connected downstream.

3 Selection of pipes in indoor units (a,b,c,d,e,f,g,h,i,j,k,l,m,n) and their respective drifters (F,G,H,I)

TABLE C

CAPACITY OF INDOOR UNIT (X100W)	PIPE DIAMETER (MM OD)		BRANCH JOINT KIT
	LIQUID PIPE	GAS PIPE	
A < 56	Ø6,35	Ø12,7	KCMI 112
56 ≤ A < 160	Ø9,53	Ø15,9	KCMI 112
160 ≤ A <224	Ø9,53	Ø19,1	KCMI 112
224 ≤ A ≤ 280	Ø9,53	Ø22,2	KCMI 212

Notes:
1. The branch joint kits are required only when two or more indoor units are connected to 1 port of MS.
2. Indoor units with a capacity more than 16 kW should be connected to 2 ports merged in a multi MS unit using branch joints (KCM1 112). Merged ports must start on an odd number and with the next sequential even number (i.e. 1, 2 or 3, 4 and so on). And if the single MS is used, the downstream Indoor units can be up to a maximum capacity of 32 kW.

4 Selection of drifters (L,M,N) and pipes (G1,G2,g1,g2,g3,g4) of outdoor unit when there is more than one outdoor module.

TABLE D

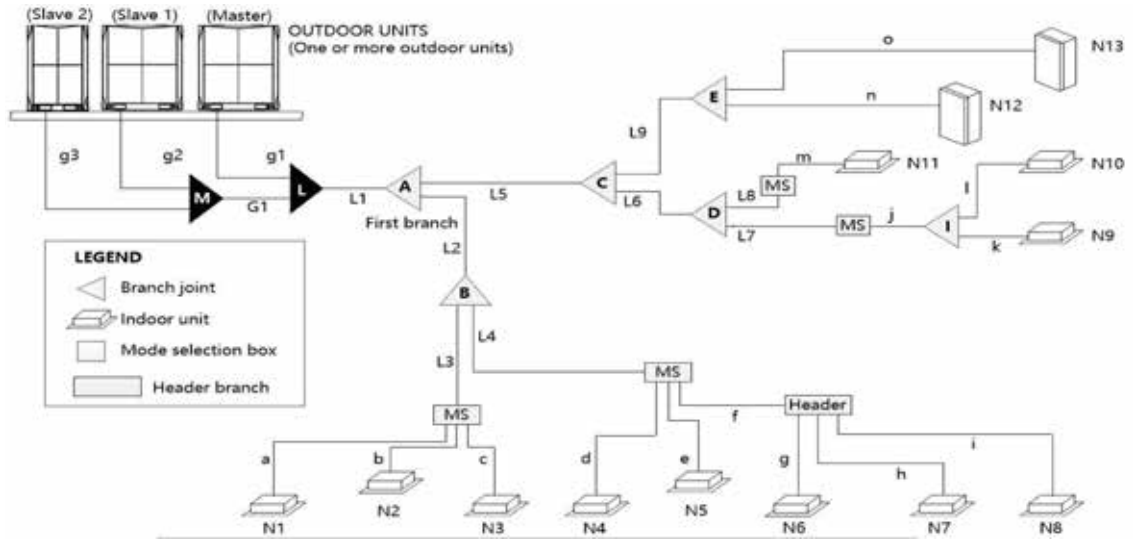
PIPES	OUTDOOR UNIT CAPACITY (HP)	PIPE DIAMETER (MM OD)		
		LIQUID PIPE	LOW PRESSURE GAS PIPE	HIGH PRESSURE GAS PIPE
G1 to g3	8	Ø9,53	Ø19,1	Ø15,9
	10	Ø9,53	Ø22,2	Ø19,1
	12	Ø12,7	Ø28,6	Ø19,1
	14-16	Ø12,7	Ø28,6	Ø22,2
	18	Ø15,9	Ø28,6	Ø22,2
G1	≤ 24	Ø15,9	Ø34,9	Ø28,6
	26-34	Ø19,1	Ø34,9	Ø28,6
	36	Ø19,1	Ø41,3	Ø28,6
	≥ 38	Ø19,1	Ø41,3	Ø34,9

NUMBER OF OUTDOOR UNITS	BRANCH JOINT KIT
2	L : KCMER 32
3	KCMER 33

5 Selection of KVB boxes (1,2,3,4,5,6)

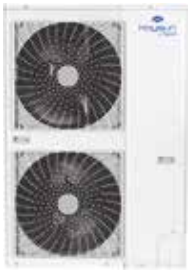
TABLE E

MODEL			KVBM-32 DN4S	KVBM-49 DN4S	KVBM-63 DN4S	KVBM-85 DN4S
CONNECT TO OUTDOOR UNIT	Liquid pipe	mm	Ø9,53	Ø15,9	Ø15,9	Ø15,9
	Low pressure gas pipe	mm	Ø15,9	Ø28,6	Ø28,6	Ø28,6
	High pressure gas pipe	mm	Ø12,7	Ø22,2	Ø22,2	Ø22,2
Connect to indoor unit	Liquid pipe	mm	Ø9,53	Ø9,53	Ø9,53	Ø9,53
	Gas pipe	mm	Ø15,9	Ø15,9	Ø15,9	Ø15,9



DISTANCES AND HEIGHTS 2 PIPES

MINI AMAZON III SINGLE-PHASE				ALL MODULES
TOTAL PIPING LENGTH			Permitted values	Piping
PIPING LENGTH	Total Pipe Length (Actual)		≤50m(80 model)	L1+L2+L3+L4+L5 +a+b+c+d+e+f
			≤65m(140/160 model)	
			≤100m(140/160 model)	
	Maximum Piping	Actual length	≤35m(80 model)	L1+L3+L5+f
			≤45m(100/120 model)	
		Actual length	≤60m(140/160 model)	
			≤40m(80 model)	
		Actual length	≤50m(100/120 model)	
			≤70m(120/160 model)	
	Piping between farthest indoor unit and first indoor branch joint[3]		≤ 40 m	≤40 m
	Pipe Length between the nearest branch and the indoor unit		≤15 m	a, b, c, d, e, f
LEVEL DIFFERENCES	Level difference between IDU~ODU[4]	Outdoor Unit Up	≤10m (80 model)	-
			≤25m (100/120 model)	
		Outdoor Unit Up	≤30m (140-160 model)	-
			≤10m (80 model)	
		Outdoor Unit Up	≤20m (100/120 model)	
			≤20m (140-160 model)	
	Level difference between IDU~IDU[5]		≤8 m	-

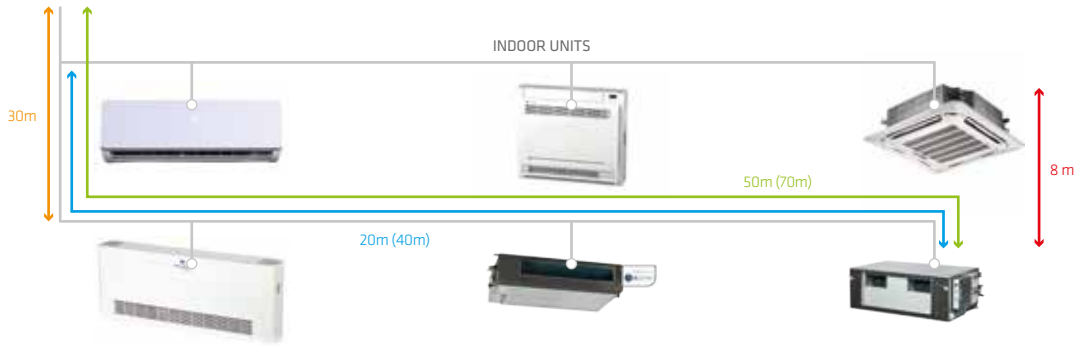


MINI AMAZON II THREE-PHASE			8/10.5 KW	14/16/18KW
PIPING LENGTH	Total length from outdoor unit to all the indoor units.		≤100m	
	Length between the outdoor unit and the furthest indoor unit.	Real	≤45m	≤60m
		Equivalent	≤50m	≤70m
	Length between the first distributor and the furthest indoor unit.		≤20 (40m*)	
	Length between one indoor unit and the closest distributor.		15m	
HEIGHT DIFFERENCE	Level difference between outdoor unit and indoor unit	The outdoor unit is higher than the indoor unit.	≤30m	
		The outdoor unit is lower than the indoor unit.	≤20m	
	Level difference between indoor units		≤8m	

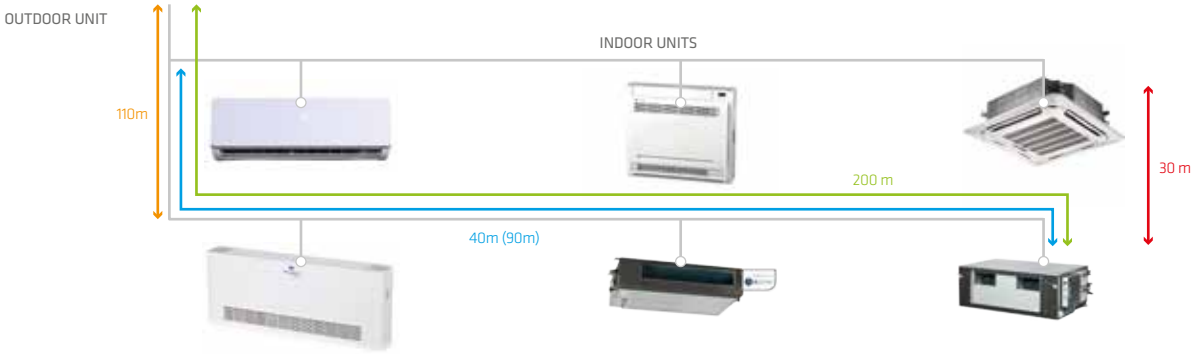
**Check for lengths between 20 and 40 metres.*

AMAZON UNITARIO III FRONT AIR DISCHARGE (20-33.5 kW)				ALL MODULES
PIPING LENGTH			Permitted values	Piping in Figure 3-3.2
PIPING LENGTH	Total piping length[1]		≤ 150 m	L1+L2+L3+L4+L5 +a+b+c+d+e+f
	Piping between farthest indoor unit and outdoor unit	Actual length	≤ 100 m	L1+L3+L5+f
		Equivalent length	≤ 110 m	
	Piping between farthest indoor unit and first indoor branch joint[3]		≤ 40 m	≤40 m
	Pipe Length between the nearest branch and the indoor unit		≤15 m	a, b, c, d, e, f
LEVEL DIFFERENCES	Largest level difference between indoor unit and outdoor unit[4]	Outdoor unit is above	≤ 50 m	-
		Outdoor unit is below	≤ 40 m	-
	Largest level difference between indoor units[5]		≤15 m	-

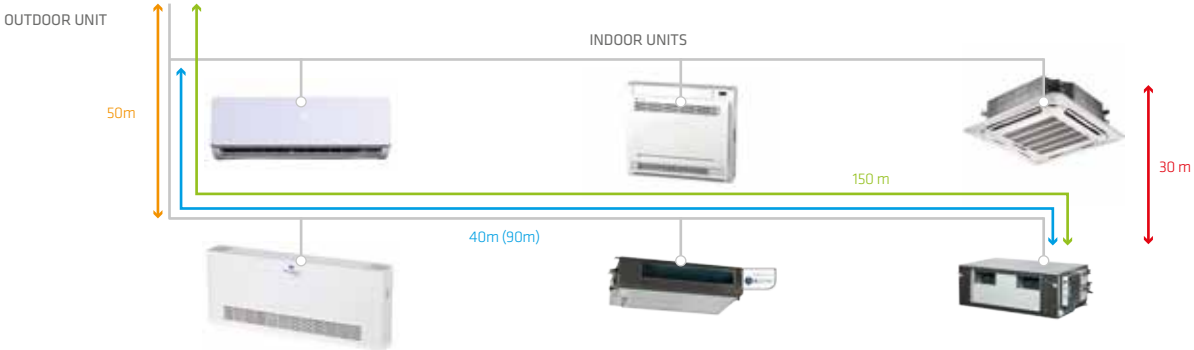
MINI AMAZON II



AMAZON V



AMAZON W



DISTANCES AND HEIGHTS 2 PIPES

AMAZON UNITARIO FRONT AIR DISCHARGE			40/45 KW
PIPING LENGTH	Total length from outdoor unit to all the indoor units.		≤250m
	Length between the outdoor unit and the furthest indoor unit.	Real	≤100m
		Equivalent	≤120m
	Length between the first distributor and the furthest indoor unit.		≤40 m
	Length between one indoor unit and the closest distributor.		≤15m
HEIGHT DIFFERENCE	Level difference between outdoor unit and indoor unit.	The outdoor unit is higher than the indoor unit.	≤30m
		The outdoor unit is lower than the indoor unit.	≤20m
	Level difference between indoor units.		≤8m

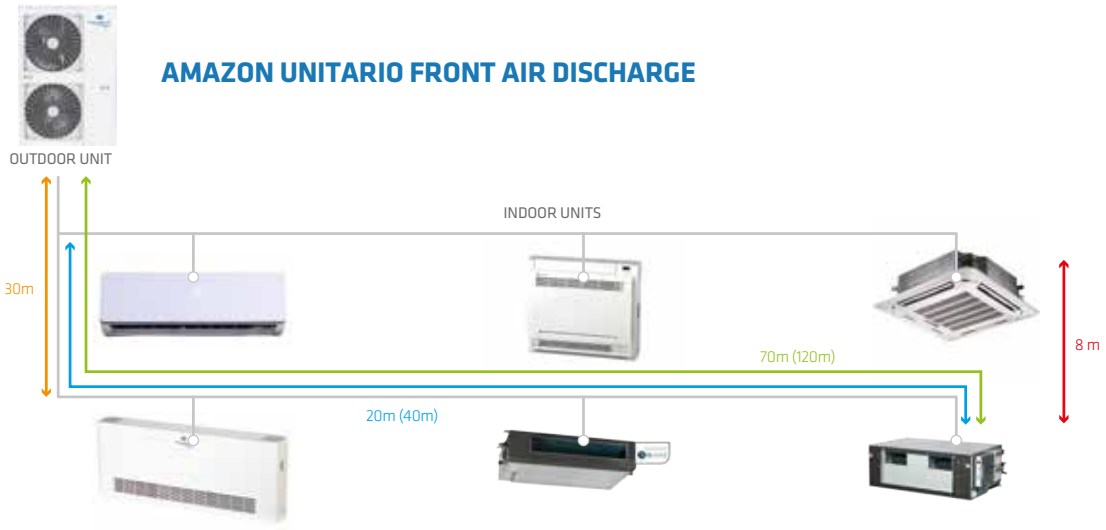
AMAZON UNITARIO TOP AIR DISCHARGE			ALL MODULES
PIPING LENGTH	Total piping length[1]		≤ 1000m
	Piping between farthest indoor unit and first outdoor branch joint[2]	Actual length	≤ 175m
		Equivalent length	≤ 200m
	Piping between farthest indoor unit and first indoor branch joint3		≤ 40 m / 90 m
LEVEL DIFFERENCES	Largest level difference between indoor unit and outdoor unit[4]	Outdoor unit is above	≤ 90m
		Outdoor unit is below	≤ 110m
	Largest level difference between indoor units[5]		≤ 30m

**Check for lengths between 40 and 90 metres.*

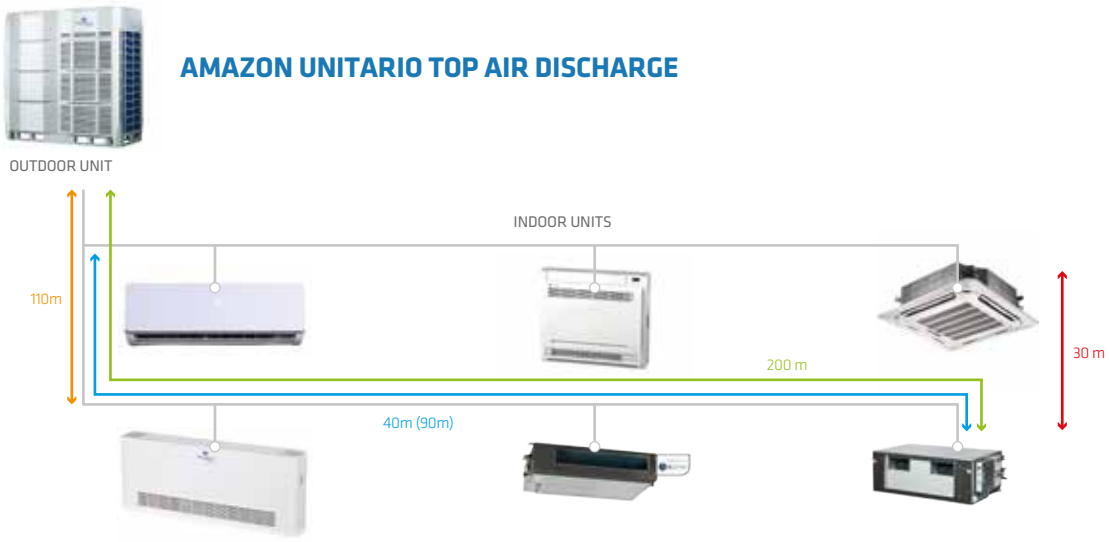
AMAZON V			ALL MODULES
PIPING LENGTH	Total piping length[1]		≤ 1000 m
	Piping between farthest indoor unit and first outdoor branch joint[2]	Actual length	≤ 175m
		Equivalent length	≤ 200m
	Piping between farthest indoor unit and first indoor branch joint[3]		≤ 40 m / 90 m
LEVEL DIFFERENCES	Largest level difference between indoor unit and outdoor unit[4]	Outdoor unit is above	≤ 90m
		Outdoor unit is below	≤ 110m
	Largest level difference between indoor units[5]		≤ 30m

**Check for lengths between 40 and 90 metres.*

AMAZON UNITARIO FRONT AIR DISCHARGE



AMAZON UNITARIO TOP AIR DISCHARGE



DISTANCES AND HEIGHTS 3 PIPES

AMAZON IV HR			Indoor units	Indoor units + HT Hydro Module	Indoor Units + AHU
PIPING LENGTH	Total length from outdoor unit to all the indoor units		≤1000 m	≤600 m	≤1000 m
	Length between the outdoor unit and the furthest indoor unit	Real	≤175 m	≤135 m	≤175 m
		Equivalent	≤200 m	≤160 m	≤200 m
	Length between the first distributor and the furthest indoor unit		≤90 m	≤40 m	≤40 m
	Length between one indoor unit and the closest distributor		≤10 m	≤10 m	≤10 m
HEIGHT DIFFERENCE	Level difference between outdoor and indoor unit	The outdoor unit is higher than the indoor unit	≤110 m	≤50 m	≤50 m
		The outdoor unit is lower than the indoor unit	≤110 m	≤40 m	≤40 m
	Level difference between indoor units		≤30 m	≤30 m	≤30 m

AMAZON W			8/10/12 HP
PIPING LENGTH	Total length from outdoor unit to all the indoor units.		≤300m
	Length between the outdoor unit and the furthest indoor unit.	Real	≤120m
		Equivalent	≤150m
	Length between the first distributor and the furthest indoor unit.		≤40 (90 m*)
	Length between one indoor unit and the closest distributor.		-
HEIGHT DIFFERENCE	Level difference between outdoor unit and indoor unit.	The outdoor unit is higher than the indoor unit.	≤50m
		The outdoor unit is lower than the indoor unit.	≤40m
	Level difference between indoor units.		≤30m

SELECTA

COOLING SIZING SYSTEM

Selecta software download

1 Please, enter project's data and information.

2 Calculate the load of the project.

3 Select outdoor and indoor units.

4 Project's pipes diagram.

5 Select controller.

Congratulations! Your project is ready.

Kaysun by Frigicoll

REFERENCES. KEY INSTALLATIONS

The **AMAZON RANGE** offers the most versatile range of capacities and combinable indoor and outdoor units. **AMAZON** units have the highest technology for large facilities, always respecting the environment.

BI4ALL
OFFICES

Location: Lisbon (Portugal)
Initial situation: New construction
Units installed: AMAZON VRF
Capacity: 146,25 kW

OTHER CUSTOMERS THAT HAVE TRUSTED IN **KAYSUN**

HOTELS Ciudad de Alcañiz Hotel (Teruel), Eritaña Civil Guard Headquarters (Seville), Dolce Fregate Hotel (Provence), Ibis Hotel (Seville). **PUBLIC BUILDINGS** Óvalo Centro Social Services building (Zaragoza), Deputy Major's Office (Málaga), Reus Town Council (Tarragona), ADIF Railway Infrastructures Manager Offices (Asturias), Department of Agriculture (Badajoz). **SCHOOLS AND UNIVERSITITES** San Luis School (Minorca), Camino de Gelves Nursery School (Seville). **HOSPITALS, HEALTH CLINICS AND CENTRES** Adharaz School (Seville), Altasierra School (Seville), San Francisco de Paula School (Seville), Calasancio School (Córdoba), Pablo de Olavide University (Seville), Guijuelo Nursery School (Salamanca), University School of Technical Industrial Engineering (Barcelona), Santa Maria del Pilar School (Madrid), Sagrado Corazón Health Clinic (Seville). **RESIDENCES** Palacio de la calle Mayor Residence (Madrid). **LEISURE CENTRES** Sant Josep Sports Centre (Barcelona), Amezketa Library (Guipúzcoa), Requejada Sports Centre (Cantabria), School of Music (Jerez de la Frontera), Conferences and Exhibition Centre (Madrid) Pinto Library (Madrid). **BUSINESS CENTRES AND OFFICES** Mercedes Authorised Dealer (Barcelona), Caritas charitable organisation (Barcelona), ThyssenKrupp Elevators (Barcelona), Aceites Abril S.L. (Ourense), Zara Home (Vitoria), Aki (Granollers).

CET SUD BUCAREST
PUBLIC BUILDING

Location: Bucarest (Romania)
Units installed: Amazon high capacity ducts and cassettes
Capacity: 554 kW

MARISCO NA PRAÇA
RESTAURANTE MARINA CASCAIS

Location: Cascais (Portugal)
Initial situation: New construction
Units installed: AMAZON VRF
Capacity: 20,0 kW

PORTUGUESE ARMY – QUARTEL EXERCITO EXTREMOZ
ARMY CAMP

Location: Extremoz (Alentejo, Portugal)
Initial situation: New construction
Units installed: AMAZON VRF
Capacity: 61,20 Kw

REFERENCES. KEY INSTALLATIONS

DIESEL SHOP
FASHION STORE

Location: Lisbon (Portugal)
Initial situation: Rehabilitation
Units installed: AMAZON VRF
Capacity: 40 kW

LEFTIES
COMMERCIAL BUILDING

Location: France and Belgium
Units installed: Amazon 2 pipes
Capacity: 50 kW

SERVICE HILTI SPACE
LOGISTIC CENTRE

Location: Bucarest (Romania)
Units installed: VRF
Capacity: 61 kW

DOLCE FREGATE
HOTEL

Location: Provence (France)
Units installed: Amazon 2 pipes
Capacity: 160 kW

VIDIGUEIRA
WINE CELLAR

Location: Vidigueira (Portugal)
Units installed: K2F-615DN4S
Capacity: 61.5kW

INSTITUTO POLITÉCNICO DO PORTO
POLYTECHNIC COLLEGE

Location: Porto (Portugal)
Units installed: 2x K2F-450DN3
Capacity: 90kW

COURS BASTIDE
SCHOOL

Location: Marseille (France)

AMD DECOLLETAGE
AUTOMOTIVE COMPONENTS FACTORY

Location: Marnaz (France)
Units installed: K2F-615DN4S
Capacity: 61.5kW

DUBLIN
HOTEL

Location: Dublin (Ireland)
Units installed: Amazon Unitario

HYUNDAI – CENTRAL MOTOR
DEALERSHIP

Location: Lyon (France)

ALL SUITES
APART HOTEL

Location: Pessac (France)
Units installed: 3 pipes

MERCURE HOTELS
HOTEL

Location: Ibiza (Spain)
Initial situation: Renovation
Units installed: Minichillers
Capacity: 251 kW

PALAU DE LA VIRREINA
PUBLIC BUILDING

Location: Barcelona (Spain)
Initial situation: Renovation
Units installed: Amazon VRF
Capacity: 45kW (2 uds)

CEPSA LABORATORIES
BUSINESS CENTER

Location: Huelva (Spain)
Units installed: Amazon 2 pipes
Capacity: 30 kW

CASA AMATLLER
MUSEUM

Location: Barcelona (Spain)
Capacity: 2.8 kW

METROPOL PARASOL "LAS SETAS"
PUBLIC BUILDING

Location: Seville (Spain)
Units installed: Amazon 2 pipes
Capacity: 200 kW

CAMBRILS PARK RESORT
CAMPING RESORT

Location: Cambrils (Tarragona, Spain)
Units installed: Amazon 3 pipes
Capacity: 2000 kW

CASTILLO DE ARTEAGA
HOTEL

Location: Arteaga (Vizcaya, Spain)
Units installed: Amazon 3 pipes
Capacity: 1000 kW

NEXUS
Chillers Range

NEXUS

Chillers Range

NEXUS
Chillers Range

MINICHILLERS FULL DC INVERTER

Minichiller chillers with rotary DC Inverter compressor and hydraulic kit incorporated, compact design, providing the best solution for domestic installations and small water installations.

R-410A REFRIGERANT · ON/OFF CONTACT · HYDRAULIC KIT · COOLING AND HEATING · DC INVERTER COMPRESSOR · DC INVERTER EXTERNAL FAN

Power kW	5 · 7 · 10 · 12	Single-phase
Power kW	12 · 14 · 16	Three-phase

MINICHILLERS FULL DC INVERTER R-32

Super-compact units featuring high seasonal efficiency, with rotary Inverter compressor and hydraulic kit incorporated. Easy to install and with advanced control for the management of up to 6 units in cascade.

R-32 REFRIGERANT · WIFI · SMART GRID READY · MODULAR · HYDRAULIC KIT · DC INVERTER COMPRESSOR

Power kW	5 · 7 · 9 · 12 · 14 · 16	Single-phase
Power kW	12 · 14 · 16	Three-phase

KHPS-MO PRO HP

Compact, silent heat pumps with front discharge. Designed for air conditioning and domestic hot water production. Full Inverter and hydraulic kit incorporated. Easy to install and with advanced control for the management of up to 6 units in cascade.

R-32 REFRIGERANT · WIFI · SMART GRID READY · MODULAR · HYDRAULIC KIT · DC INVERTER COMPRESSOR

Power kW	18 · 22 · 26 · 30	Combinable up to 6 modules

frigicoll

MODULAR FULL DC INVERTER CHILLERS

Modular 60 kW and 90 kW chillers fitted with Full DC Inverter technology. These units can be combined with each other.

R-32 REFRIGERANT · R-410A REFRIGERANT · MODULAR · MODBUS · ON/OFF CONTACT · DC INVERTER COMPRESSOR · DC INVERTER EXTERNAL FAN

Power kW 60 90 **Combinable up to 4 modules**

NEW MODULAR FULL DC INVERTER CHILLERS

The modular 75 kW to 180 kW chillers are fitted with Full DC Inverter and R-32 technology. Prepared for domestic hot water production with water at 55°C.

R-32 REFRIGERANT · DOMESTIC HOT WATER · MODULAR · MODBUS · ON/OFF CONTACT · DC INVERTER COMPRESSOR · DC INVERTER EXTERNAL FAN

Power kW 75 90 140 180 **Combinable up to 4 modules**

NEXUS. Chillers Range

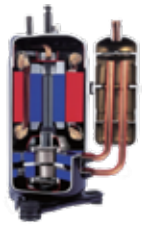
The Kaysun range of chillers has been designed with the aim of adapting installations of any nature, as it includes a wide range of units in order to provide the best possible solution for each installation. From Minichiller to the huge versatility of modular chillers. Kaysun is the solution for climate control in spaces such as residences, hotels, offices, stores and many others. All units in this range use environmentally and ozone-friendly refrigerants.

➔ Minichillers: For small water installations

The Minichiller with rotary DC Inverter compressor from 5 to 16 kW have a SEER of up to 5.19 and a SCOP of up to 5.18. These units, with hydraulic kit incorporated, are a very efficient option for domestic installations and small water installations. With a compact design that facilitates access to components and simplifies installation and maintenance, it features an integrated control panel on its body.

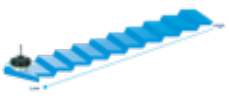
➔ Modular Chillers: the perfect solution for any water air conditioning project

Kaysun offers a range of highly versatile modular units starting with its basic models which can be combined with each other. They allow maximum flexibility in design and installation thanks to the possibility of adding or combining chillers, and for that reason these units can adapt to the needs of any customer or installation. The range allows the combination of up to four modules and achieves capacities of up to 360 kW with the Full DC equipment. In this way a large installation can be staggered, optimising and spreading the charge between various units.



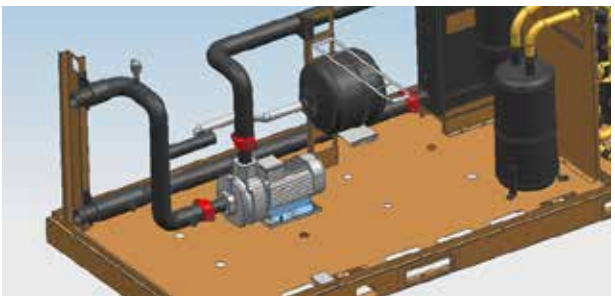
DC Inverter compressors

The Kaysun Full DC Inverter chillers are equipped with latest-generation DC Inverter compressors. Their innovative design and numerous high-performance technological features achieve a reduction in consumption of some 25%.



DC Inverter fans

On the DC models, the speed of the energy-efficient fan adjusts in response to the system charge, which allows a reduction in energy consumption of around 30% .



➔ Hydraulic kit incorporated

Most Kaysun's chillers include the hydraulic kit, which facilitates and accelerates design and installation, while also saving space.

➔ Full range with R-32

Frigicoll offers a wide range of Inverters with the new R-32 gas, with low GWP, in compliance with the ErP LOT 21 standard.

➔ Wide range of controls

Kaysun provides its chillers with a control as standard and, depending on the range, with various options for controls and integration within BMS.

➔ Advanced modularity control

The chiller range allows up to 4 units to be connected hydraulically and a system with a maximum of 16 units to be managed; in that way maximum efficiency is achieved with partial charges and the reliability of the installation is increased.

MINICHILLERS FULL DC INVERTER

The Kaysun Minichiller units are ideal for domestic applications or small-scale commercial applications where hot and cold water is required. The units are silent, compact and equipped with Inverter motors in order to achieve significant energy savings and improved comfort. They have a hydraulic kit incorporated as standard.

➔ Full DC Inverter

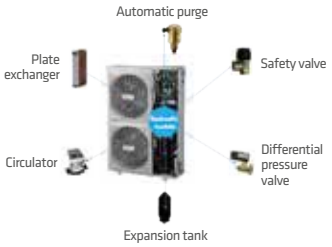
Kaysun takes care of every detail regarding all components, in order to obtain a more efficient unit. The DC Inverter compressor regulates the capacity of the unit at all times and allows energy saving, while providing greater comfort. The DC fans stand out for their low consumption, adapting speed with precision at all times.

DC Compressor

DC Fan

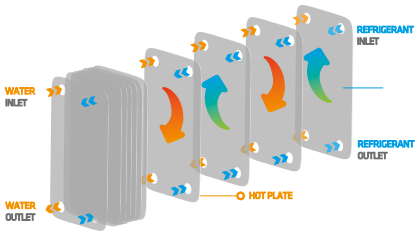
➔ Hydraulic kit incorporated

The Kaysun Minichiller range features a full hydraulic kit consisting of a water pump, plate heat exchanger, expansion vessel, high and low pressure gauges, differential pressure valve, safety valve and automatic air purge valve.



➔ High-efficiency plate heat exchanger

The Kaysun heat exchanger fully optimises the heat transfer area between water and refrigerant.



➔ Optional KCCHT-03 wired controller

Wired controller consisting of:
- Touch control and LCD screen
- Weekly timer
- Clock

➔ Standard controller

In addition to the voltage-free on/off, cold/heat, additional pump and alarms, it has a control panel built into the body, with:
- On/Off
- Mode selection
- Temperature setting
- Timer
- Diagnosis

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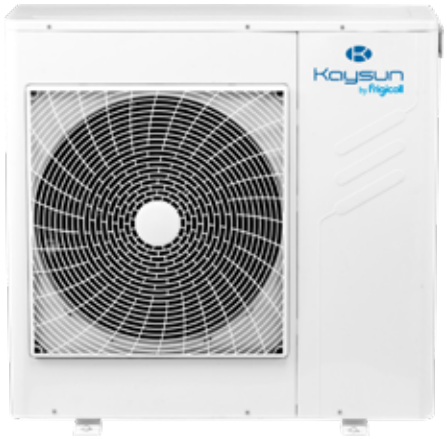


Standard controller

R-410A REFRIGERANT | ON/OFF CONTACT | HYDRAULIC KIT | COOLING AND HEATING | DC INVERTER COMPRESSOR | DC INVERTER EXTERNAL FAN

MODEL			KEM-05 DVN1	KEM-07 DVN1	KEM-10 DVN	KEM-12 DVN	KEM-12 DTN	KEM-14 DTN	KEM-16 DTN
Capacity	Cooling rated	kW	5	7	10	11.2	11.2	12.5	14.5
	Heating rated	kW	6.2	8	11	12.3	12.3	13.8	16
	Heating rated at -7°C	kW	3.7	4.8	6.6	7.3	7.3	8.7	9.7
Cooling input rated		W	1550	2260	3030	3500	3380	3910	4680
Heating input rated		W	1900	2540	3240	3780	3720	4250	4850
Heating input rated at -7°C		W	1440	1890	2370	2850	2810	3370	3830
Energy efficiency	EER		3.23	3.1	3.39	3.2	3.31	3.2	3.1
	COP		3.26	3.15	3.4	3.25	3.31	3.25	3.3
	SEER		5.83	6.07	5.71	6.37	6.18	6.69	6.78
	COP -7°C		2.57	2.53	2.77	2.58	2.61	2.57	2.54
	SCOP average zone, Water 35 °C		3,55	3,46	3,34	3,46	3,66	3,78	3,39
	Energy class (SCOP average zone, Water 35°C)		A+	A+	A+	A+	A+	A+	A+
Outdoor unit	Compressor type		Rotary Inverter	Rotary Inverter	Rotary Inverter	Rotary Inverter	Rotary Inverter	Rotary Inverter	Rotary Inverter
	No. compressor		1	1	1	1	1	1	1
	No. fans		1	1	2	2	2	2	2
	Air flow	m³/h	5100	5100	7000	7000	7000	7000	7000
	Sound pressure	dB(A)	58	58	59	59	59	60	60
	Width/height/depth	mm	990 / 966 / 354	990 / 966 / 354	970 / 1327 / 400	970 / 1327 / 400	970 / 1327 / 400	970 / 1327 / 400	970 / 1327 / 400
	Net weight	kg	81	81	110	110	110	111	111
	Power supply	V/ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	380-415/3/50	380-415/3/50	380-415/3/50
Refrigerant	Type refrigerant		R-410A	R-410A	R-410A	R-410A	R-410A	R-410A	R-410A
	Refrigerant charge	kg	2.5	2.5	2.8	2.8	2.8	2.9	2.9
Hydraulic system	Water flow rated	m³/h	0.9	1.2	1.7	1.9	1.9	2.2	2.5
	Volume of expansion tank	l	2	2	3	3	3	3	3
	Available pressure	kPa	55	55	75	75	75	75	75
	Water pipe connections	inch	1"	1"	1 1/4"	1 1/4"	1 1/4"	1 1/4"	1 1/4"

Optional wired controller

KCCHT-03

The data in heating mode at -7°C are calculated working with water at +35°C.
Cooling capacity. Cooling input. EER: Data calculated in compliance with EN 14511:2018 Standard, with reference to the following conditions: indoor heat exchanger water temperature = 12/7°C; outdoor heat exchanger inlet air temperature = 35°C.
Heating capacity. Heating input. COP: Data calculated in compliance with EN 14511:2018 Standard, with reference to the following conditions: indoor heat exchanger water temperature = 40/45°C; outdoor heat exchanger inlet air temperature = 7°C DB/6°C WB.
SEER. SCOP: Data calculated in compliance with EN 14825:2016 Standard. The product meets the ErP (Energy Related Products) European Directive, which include the (EU) Commission Delegated Regulation No. 811/2013 (rated thermal input ≤ 70 kW under specified reference conditions) and (EU) Commission Delegated Regulation No. 813/2013 (rated thermal input≤ 400 kW under specified reference conditions).
Sound pressure: Sound levels refer to the unit under full charge. The sound pressure level refers to the measurement taken at a distance of 1 m from the external surface of the unit, operating in the open air. The measurements are taken in accordance with UNI EN ISO 9614-2 standard, respecting the conditions imposed by EUROVENT 8/1 certification. Data under the following conditions: indoor heat exchanger water temperature = 12/7°C; outdoor air temperature = 35°C.

MINICHILLERS FULL DC INVERTER R-32

The Kaysun Minichiller units are ideal for domestic applications or small-scale commercial applications where hot and cold water is required. The units are silent, compact and equipped with Inverter motors in order to achieve significant energy savings and improved comfort. They have a hydraulic kit incorporated as standard.

➔ Smart Home and BMS

The wired controller included allows the user to enjoy a pleasant, intuitive experience capable of satisfying zoning needs of any nature. The possibility to control and monitor an installation using the Comfort Home app via WiFi and its integration with Amazon Alexa and Google Assistant makes the user experience even more enjoyable and, above all, efficient. Direct integration with ModBus RTU systems is also possible.

➔ Full DC Inverter

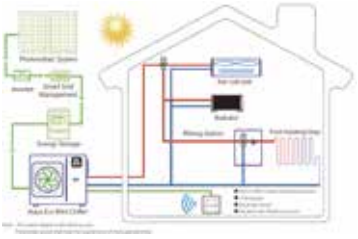
Kaysun takes care of every detail regarding all components, in order to obtain a more efficient unit. The DC Inverter compressor regulates the capacity of the unit at all times and allows energy saving, while providing greater comfort. The DC fans stand out for their low consumption, adapting speed with precision at all times.

DC Compressor

DC Fan

➔ Hydraulic kit incorporated

The Kaysun Minichiller range features a full hydraulic kit consisting of a water pump, plate heat exchanger, expansion vessel, high and low pressure gauges, differential pressure valve, safety valve and automatic air purge valve.



➔ Standard controller

In addition to the voltage-free on/off, cold/heat, additional pump and alarms, it has a control panel built into the body, with:

- On/Off
- Mode selection
- Temperature setting
- Timer
- Diagnosis

➔ R-32

The new gas R-32 reduces the necessary charge by 30%, has no effect on the ozone layer, and reduces its global warming impact by 70% in relation to its predecessor.

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R-32 REFRIGERANT | WIFI | SMART GRID READY | MODULAR | HYDRAULIC KIT | DC INVERTER COMPRESSOR

KCTAQ-02
Standard

MODEL			KEM-05 DVR	KEM-07 DVR	KEM-09 DVR	KEM-12 DVR	KEM-14 DVR	KEM-16 DVR
Capacity	Cooling rated	kW	5.5	7.4	9	11.6	13.4	14
	Heating rated	kW	6.6	8.5	10.2	12.5	14.5	16.2
	Heating rated at -7°C	kW	6.6	7.6	8.3	11.2	12.4	13.3
Cooling input rated		W	1692	2349	3103	3742	4573	4828
Heating input rated		W	1650	2237	2795	3378	4085	4695
Heating input rated at -7°C		W	2130	2500	2800	4110	4720	5310
Energy efficiency	EER		3.25	3.15	2.9	3.1	2.93	2.9
	COP		4	3.8	3.65	3.7	3.55	3.45
	SEER		5.09	5.19	5.08	5.07	5.09	5.11
	COP -7°C		3.12	3.04	2.97	2.73	2.63	2.5
	SCOP average zone, Water 35 °C		5,12	5,18	5,12	5,08	4,89	4,84
	Energy class (SCOP average zone, Water 35°C)		A+++	A+++	A+++	A+++	A+++	A+++
Outdoor unit	Compressor type		Rotary Inverter	Rotary Inverter	Rotary Inverter	Rotary Inverter	Rotary Inverter	Rotary Inverter
	No. compressor		1	1	1	1	1	1
	No. fans		1	1	1	1	1	1
	Air flow	m³/h	3900	4500	4500	5200	5200	5200
	Sound pressure	dB(A)	64	66	68	69	71	71
	Width/height/depth	mm	1040 / 865 / 410	1040 / 865 / 410	1040 / 865 / 410	1040 / 865 / 410	1040 / 865 / 410	1040 / 865 / 410
	Net weight	kg	87	87	87	106	106	106
	Power supply	V/ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
Refrigerant	Type refrigerant		R-32	R-32	R-32	R-32	R-32	R-32
	Refrigerant charge	kg	1.3	1.3	1.3	1.8	1.8	1.8
Hydraulic system	Water flow rated	m³/h	0.9	1.3	1.5	2	2.3	2.4
	Volume of expansion tank	l	5	5	5	5	5	5
	Available pressure	kPa	90	90	90	90	90	90
	Water pipe connections	inch	1"	1"	1"	1 1/4"	1 1/4"	1 1/4"

MODEL			KEM-12 DTR	KEM-14 DTR	KEM-16 DTR
Capacity	Cooling rated	kW	11.6	13.4	14
	Heating rated	kW	12.5	14.5	16.2
	Heating rated at -7°C	kW	11.2	12.4	13.3
Cooling input rated		W	3742	4573	4828
Heating input rated		W	3378	4085	4696
Heating input rated at -7°C		W	4110	-	-
Energy efficiency	EER		3.1	2.93	2.9
	COP		3.7	3.55	3.45
	SEER		5.11	5.12	5.14
	COP -7°C		2.73	-	-
	SCOP average zone, Water 35 °C		5,08	4,89	4,84
	Energy class (SCOP average zone, Water 35°C)		A+++	A+++	A+++
Outdoor unit	Compressor type		Rotary Inverter	Rotary Inverter	Rotary Inverter
	No. compressor		1	1	1
	No. fans		1	1	1
	Air flow	m³/h	5200	5200	5200
	Sound pressure	dB(A)	74	74	74
	Width/height/depth	mm	1040 / 865 / 410	1040 / 865 / 410	1040 / 865 / 410
	Net weight	kg	120	120	120
	Power supply	V/ph/Hz	380-415/3/50	380-415/3/50	380-415/3/50
Refrigerant	Type refrigerant		R-32	R-32	R-32
	Refrigerant charge	kg	1.8	1.8	1.8
Hydraulic system	Water flow rated	m³/h	2	2.3	2.4
	Volume of expansion tank	l	5	5	5
	Available pressure	kPa	90	90	90
	Water pipe connections	inch	1 1/4"	1 1/4"	1 1/4"

ACCESSORIES	Model
Buffer tank/hydraulic shut-off nozzle	
Expansion vessels - primary	HWB8LX
Expansion vessels - primary	HWB12LX
Expansion vessels - primary	HWB18LX

Check accessories in Aquantia's range

The data in heating mode at -7°C are calculated working with water at +35°C.
Cooling capacity. Cooling input. EER: Data calculated in compliance with EN 14511:2018 Standard, with reference to the following conditions: indoor heat exchanger water temperature = 12/7°C; outdoor heat exchanger inlet air temperature = 35°C.
Heating capacity. Heating input. COP: Data calculated in compliance with EN 14511:2018 Standard, with reference to the following conditions: indoor heat exchanger water temperature = 40/45°C; outdoor heat exchanger inlet air temperature = 7°C DB/6°C WB.
SEER. SCOP: Data calculated in compliance with EN 14825:2016 Standard. The product meets the ErP (Energy Related Products) European Directive, which include the (EU) Commission Delegated Regulation No. 811/2013 (rated thermal input ≤ 70 kW under specified reference conditions) and (EU) Commission Delegated Regulation No. 813/2013 (rated thermal input≤ 400 kW under specified reference conditions).
Sound pressure: Sound levels refer to the unit under full charge. The sound pressure level refers to the measurement taken at a distance of 1 m from the external surface of the unit, operating in the open air. The measurements are taken in accordance with UNI EN ISO 9614-2 standard, respecting the conditions imposed by EUROVENT 8/1 certification. Data under the following conditions: indoor heat exchanger water temperature = 12/7°C; outdoor air temperature = 35°C.

KHPS-MO PRO HP

KHPS-MO PRO HP is the most compact solution in the range, as it only comprises a single outdoor unit, a wired remote controller and a domestic hot water tank (optional). It is the most suitable solution for installations where there are more than 5-6 m between the outdoor unit and the domestic hot water tank. KHPS-MO PRO HP can be controlled via the Kaysun mobile app.

➔ Full DC Inverter

Kaysun takes care of every detail regarding all components, in order to obtain a more efficient unit. The DC Inverter compressor regulates the capacity of the unit at all times and allows energy saving, while providing greater comfort. The DC fans stand out for their low consumption, adapting speed with precision at all times.

DC Compressor

DC Fan

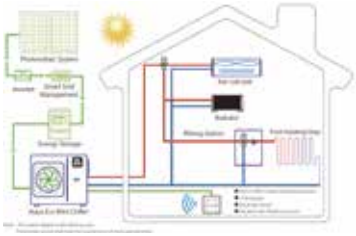
➔ Standard controller

In addition to the voltage-free on/off, cold/heat, additional pump and alarms, it has a control panel built into the body, with:

- On/Off
- Mode selection
- Temperature setting
- Timer
- Diagnosis

➔ R-32

The new gas R-32 reduces the necessary charge by 30%, has no effect on the ozone layer, and reduces its global warming impact by 70% in relation to its predecessor.



➔ Hydraulic kit incorporated

The Kaysun Minichiller range features a full hydraulic kit consisting of a water pump, plate heat exchanger, expansion vessel, high and low pressure gauges, differential pressure valve, safety valve and automatic air purge valve.

➔ Smart, flexible system

The system self-regulates based on changes in outdoor temperature and the energy requirements of the installation or home in order to provide the optimum results at all times.

KCTAQ-02
Standard

R-32 REFRIGERANT | WIFI | SMART GRID READY | MODULAR | HYDRAULIC KIT | DC INVERTER COMPRESSOR

SET MODEL			KHPS-MO 18 PRO HP	KHPS-MO 22 PRO HP	KHPS-MO 26 PRO HP	KHPS-MO 30 PRO HP
Capacity	Cooling rated	kW	17	21	26	29.5
	Heating rated	kW	18	22	26	30
	Heating rated at -7°C	kW	19.9	21.3	23.5	23.3
Cooling input rated		W	5570	7120	9630	11600
Heating input rated		W	5140	6470	8390	10300
Heating input rated at -7°C		W	8410	8700	9320	9920
Energy efficiency	EER		3.05	2.95	2.7	2.55
	COP		3.5	3.4	3.1	2.9
	SEER		4.7	4.7	4.66	4.49
	COP -7°C		2.37	2.45	2.52	2.34
	SCOP average zone, Water 35 °C		4,6	4,53	4,5	4,19
	Energy class (SCOP average zone, Water 35°C)		A+++	A+++	A+++	A++
Outdoor unit	Compressor type		Rotary Inverter	Rotary Inverter	Rotary Inverter	Rotary Inverter
	No. compressor		1	1	1	1
	No. fans		2	2	2	2
	Air flow	m³/h	10650	10650	11200	11200
	Sound pressure	dB(A)	55	58	60	62
	Width/height/depth	mm	1129 / 1558 / 440	1129 / 1558 / 440	1129 / 1558 / 440	1129 / 1558 / 440
	Net weight	kg	177	177	177	177
	Power supply	V/ph/Hz	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50
Refrigerant	Type refrigerant		R-32	R-32	R-32	R-32
	Refrigerant charge	kg	5	5	5	5
Hydraulic system	Water flow rated	m³/h	2.9	3.6	3.8	4
	Volume of expansion tank	l	8	8	8	8
	Available pressure	kPa	102	94.6	78.8	59.4
	Water pipe connections	inch	1 1/4"	1 1/4"	1 1/4"	1 1/4"

ACCESSORIES	Model
Buffer tank/hydraulic shut-off nozzle	
Expansion vessels - primary	HWB8LX
Expansion vessels - primary	HWB12LX
Expansion vessels - primary	HWB18LX

Check accessories in Aquantia's range

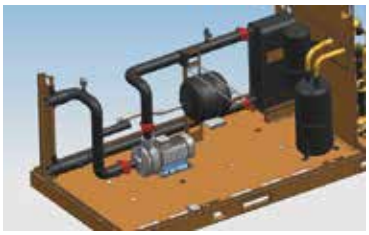
The data in heating mode at -7°C are calculated working with water at +35°C.
Cooling capacity. Cooling input. EER: Data calculated in compliance with EN 14511:2018 Standard, with reference to the following conditions: indoor heat exchanger water temperature = 12/7°C; outdoor heat exchanger inlet air temperature = 35°C.
Heating capacity. Heating input. COP: Data calculated in compliance with EN 14511:2018 Standard, with reference to the following conditions: indoor heat exchanger water temperature = 40/45°C; outdoor heat exchanger inlet air temperature = 7°C DB/6°C WB.
SEER. SCOP: Data calculated in compliance with EN 14825:2016 Standard. The product meets the ErP (Energy Related Products) European Directive, which include the (EU) Commission Delegated Regulation No. 811/2013 (rated thermal input ≤ 70 kW under specified reference conditions) and (EU) Commission Delegated Regulation No. 813/2013 (rated thermal input≤ 400 kW under specified reference conditions).
Sound pressure: Sound levels refer to the unit under full charge. The sound pressure level refers to the measurement taken at a distance of 1 m from the external surface of the unit, operating in the open air. The measurements are taken in accordance with UNI EN ISO 9614-2 standard, respecting the conditions imposed by EUROVENT 8/1 certification. Data under the following conditions: indoor heat exchanger water temperature = 12/7°C; outdoor air temperature = 35°C.
NOTE: Combination units.

MODULAR FULL DC INVERTER CHILLERS

The range of Full DC Inverter chillers is available in two modules: 60 kW and 90 kW. With Full DC Inverter Scroll compressors and Full DC brushless fans, to achieve greater stability and high energy efficiency. The units are very compact and are designed to speed up maintenance. Up to 4 modules can be combined, with a total capacity of 360 kW.

➔ High-efficiency Scroll DC Inverter compressor

The design of these machines includes high-efficiency Scroll DC Inverter compressors, seeking maximum efficiency for the unit.



➔ Hydraulic kit incorporated

These compactly-designed units, featuring easy access to facilitate maintenance, incorporate a hydraulic kit. They thus facilitate design and installation, while at the same time save on space.

➔ Full DC fan

The speed of the fan adjusts in response to the system charge, which allows a reduction in energy consumption of around 30%.

➔ Combinable modules

Up to four of these modules can be combined with each other, allowing us to achieve capacities of up to 360 kW.

➔ High-efficiency plate heat exchanger

The Kaysun heat exchanger fully optimises the heat transfer area between water and refrigerant.

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KCCHT-05 MODBUS
Standard

R-32 REFRIGERANT | R-410A REFRIGERANT | MODULAR | MODBUS | ON/OFF CONTACT | DC INVERTER COMPRESSOR | DC INVERTER EXTERNAL FAN

			Basic modules	
MODEL			**KEM-60 DRS4**	**KEM-90 DNS3**
Capacity	Cooling rated	kW	55	82
	Heating rated	kW	62	90
	Heating rated at -7°C	kW	52.6	62.3
Cooling input rated		W	20870	36770
Heating input rated		W	20000	32850
Heating input rated at -7°C		W	20150	23970
Energy efficiency	EER		2.64	2.23
	COP		3.1	2.74
	SEER		4	4.08
	COP -7°C		2.61	2.6
	SCOP average zone, Water 35 °C		3,86	3,99
	Energy class (SCOP average zone, Water 35°C)		A++	A++
Outdoor unit	Compressor type		Rotary Inverter	Scroll Inverter
	No. compressor		2	2
	No. fans		2	3
	Air flow	m³/h	24000	38000
	Sound pressure	dB(A)	71	80
	Width/height/depth	mm	1055 / 1325 / 2220	1095 / 1513 / 3220
	Net weight	kg	480	710
	Power supply	V/ph/Hz	380-415/3/50	380-415/3/50
Refrigerant	Type refrigerant		R-32	R-410A
	Refrigerant charge/supplementary	kg	11.5 / 2.5	27 / -
Hydraulic system	Water flow rated	m³/h	9.8	15
	Load loss	kPa	52	75
	Water pipe connections	inch	2"	2"

			Basic modules with hydraulic kit	
MODEL			**KEM-60 DRS4 KH**	**KEM-90 DNS3 KH**
Hydraulic system	Volume of expansion tank	l	12	-
	Available pressure	kPa	260	250
	Pump consumption	kW	1.5	2

ACCESSORIES	**Model**
Hydraulic flanges kit for 60-90 kW Full DC Chillers	KIT-BRID-HID 60-90

The data in heating mode at -7°C are calculated working with water at +35°C.
Cooling capacity. Cooling input. EER: Data calculated in compliance with EN 14511:2018 Standard, with reference to the following conditions: indoor heat exchanger water temperature = 12/7°C; outdoor heat exchanger inlet air temperature = 35°C.
Heating capacity. Heating input. COP: Data calculated in compliance with EN 14511:2018 Standard, with reference to the following conditions: indoor heat exchanger water temperature = 40/45°C; outdoor heat exchanger inlet air temperature = 7°C DB/6°C WB.
SEER. SCOP: Data calculated in compliance with EN 14825:2016 Standard. The product meets the ErP (Energy Related Products) European Directive, which include the (EU) Commission Delegated Regulation No. 811/2013 (rated thermal input ≤ 70 kW under specified reference conditions) and (EU) Commission Delegated Regulation No. 813/2013 (rated thermal input ≤ 400 kW under specified reference conditions).
Sound pressure: Sound levels refer to the unit under full charge. The sound pressure level refers to the measurement taken at a distance of 1 m from the external surface of the unit, operating in the open air. The measurements are taken in accordance with UNI EN ISO 9614-2 standard, respecting the conditions imposed by EUROVENT 8/1 certification. Data under the following conditions: indoor heat exchanger water temperature = 12/7°C; outdoor air temperature. = 35°C.
Supplementary charge: For units with R-32 gas and a charge > 11.5 kg per circuit, the remaining charge must be applied on site.
NOTE: Combination units.

NEW MODULAR FULL DC INVERTER CHILLERS

The second part of the Kaysun Full DC Inverter chiller range is available in modules from 75 to 180 kW. With brushless Full DC Inverter compressors that provide a high degree of stability and great energy efficiency. The units are very compact and are designed to speed up maintenance. Up to 4 modules can be combined, with a combined capacity of 360 kW.

➔ High-efficiency Scroll DC Inverter compressor

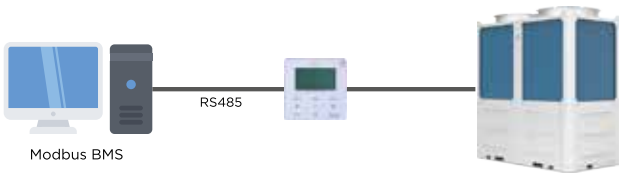
The design of these machines includes high-efficiency Scroll DC Inverter compressors, seeking maximum efficiency for the unit.

➔ Domestic hot water production

The new electronics allows domestic hot water to be produced as a priority with an optional 3-way valve, discharging water at 55°C to the installation.

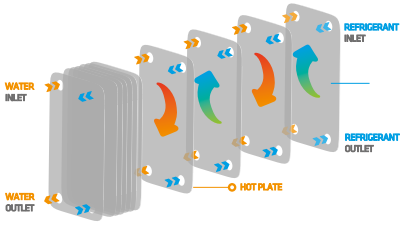
➔ Full DC fan

The speed of the fan adjusts in response to the system charge, which allows a reduction in energy consumption of around 30%.



➔ Control with Modbus gateway

Touch controller via wiring with Modbus communication protocol included as standard, together with voltage-free contacts for alarms and remote controller.



➔ High-efficiency plate heat exchanger

The Kaysun heat exchanger fully optimises the heat transfer area between water and refrigerant.

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KCCHT-05 MODBUS
Standard

R-32 REFRIGERANT · DOMESTIC HOT WATER · MODULAR · MODBUS · ON/OFF CONTACT · DC INVERTER COMPRESSOR · DC INVERTER EXTERNAL FAN

			Basic modules			
			KEM-75 DRS5*	KEM-90 DRS5	KEM-140 DRS5*	KEM-180 DRS5*
Capacity	Cooling rated	kW	70	82	130	164
	Heating rated	kW	75	90	138	180
	Heating rated at -7°C	kW	ND	70.2	ND	ND
Cooling input rated		W	26800	27800	50500	56000
Heating input rated		W	23700	28100	44500	3160
Heating input rated at -7°C		W	ND	26200	ND	ND
Energy efficiency	EER		2.61	2.95	2.57	2.93
	COP		3.16	3.2	3.1	3.16
	SEER		4.45	4.58	4.3	4.41
	COP -7°C		ND	2.68	ND	ND
	SCOP average zone, Water 35 °C		4,05	3,97	4,05	3,8
	Energy class (SCOP average zone, Water 35°C)		A++	A++	A++	A+
Outdoor unit	Compressor type		Scroll Inverter	Scroll Inverter	Scroll Inverter	Scroll Inverter
	No. compressor		2	2	2	4
	No. fans		2	2	2	4
	Air flow	m³/h	30000	35000	55000	70000
	Sound pressure	dB(A)	65	65	67	70
	Width/height/depth	mm	960 / 1780 / 1995	1135 / 2315 / 2220	1135 / 2315 / 2220	2220 / 2413 / 2753
	Net weight	kg	430	635	670	1420
	Power supply	V/ph/Hz	380-415/3/50	380-415/3/50	380-415/3/50	380-415/3/50
Refrigerant	Type refrigerant		R-32	R-32	R-32	R-32
	Refrigerant charge/supplementary	kg	9 / 0	11.5 / 4.5	11.5 / 4	11,5 + 11,5 / 4,5 + 4,5
Hydraulic system	Water flow rated	m³/h	13	15	24	31
	Load loss	kPa	52	75	75	75
	Water pipe connections	inch	2"	2"	2 1/2"	3"

			Basic modules with hydraulic kit			
			KEM-75 DRS5 KH*	KEM-90 DRS5 KH	KEM-140 DRS5 KH*	KEM-180 DRS5 KH*
Hydraulic system	Volume of expansion tank	l	Consult	12	Consult	Consult
	Available pressure	kPa	Consult	250	Consult	Consult
	Pump consumption	kW	Consult	2	Consult	Consult

ACCESSORIES	Model
3-way valve ON/OFF for DHW	3ACS
Hydraulic flanges kit for 75-90 kW Full DC Chillers	KIT-BRID-HID 60-90
Hydraulic flanges kit for 140 kW Full DC Chillers	KIT-BRID-HID 140
Hydraulic flanges kit for 180 kW Full DC Chillers	KIT-BRID-HID 180

The data in heating mode at -7°C are calculated working with water at +35°C.
Cooling capacity. Cooling input. EER: Data calculated in compliance with EN 14511:2018 Standard, with reference to the following conditions: indoor heat exchanger water temperature = 12/7°C; outdoor heat exchanger inlet air temperature = 35°C.
Heating capacity. Heating input. COP: Data calculated in compliance with EN 14511:2018 Standard, with reference to the following conditions: indoor heat exchanger water temperature = 40/45°C; outdoor heat exchanger inlet air temperature = 7°C DB/6°C WB.
SEER. SCOP: Data calculated in compliance with EN 14825:2016 Standard. The product meets the ErP (Energy Related Products) European Directive, which include the (EU) Commission Delegated Regulation No. 811/2013 (rated thermal input ≤ 70 kW under specified reference conditions) and (EU) Commission Delegated Regulation No. 813/2013 (rated thermal input ≤ 400 kW under specified reference conditions).
Sound pressure: Sound levels refer to the unit under full charge. The sound pressure level refers to the measurement taken at a distance of 1 m from the external surface of the unit, operating in the open air. The measurements are taken in accordance with UNI EN ISO 9614-2 standard, respecting the conditions imposed by EUROVENT 8/1 certification. Data under the following conditions: indoor heat exchanger water temperature = 12/7°C; outdoor air temperature. = 35°C.
Supplementary charge: For units with R-32 gas and a charge > 11.5 kg per circuit, the remaining charge must be applied on site.
KEM-180 DRS5 available from the 2nd half of 2022.
*Preliminary data.

REFERENCES. KEY INSTALLATIONS

The **NEXUS** range represents Kaysun's commitment to environment. Thanks to its wide range of dimensions and capacities, **NEXUS** chillers adapt to every type of space. Hotels, offices and business centres choose this range as their ally in the air-conditioning of their installations.

SPORTS COMPLEX
LEISURE CENTRE

Location: Andorra
Initial situation: New construction
Units installed: Kem Modular Digital Scroll
Capacity: 600 kW

OTHER CUSTOMERS THAT HAVE TRUSTED **KAYSUN NEXUS**

HOTELS Al-Mirab Hotel (Córdoba), Calabera Hotel (Huelva), Marina Luz Hotel (Palma de Mallorca), Ambos Mundos Hotel (Palma de Mallorca), Mac Hotels (Palma de Mallorca), Paraiso Hotel (Málaga), Gran Palladium Resort (Ibiza), Ruta Jacobea Hotel (Santiago Compostela), Alcotan Hotel (San Pedro de Alcántara), Orly Hotel (Camponaraya, León). **PUBLIC BUILDINGS** Baza City Council (Granada), Caracoles Building - Chamartin Railway Station (Madrid), 091 Emergencies Headquarters (Málaga), Madrid Underground Headquarters (Madrid), Barakaldo City Council (Bizkaia), T2 Terminal AENA Airport (Barcelona). **SCHOOLS AND UNIVERSITIES** San Luis School (Menorca), Camino de Gelves Nursery School (Seville), María de la Salud State School (Majorca) **HOSPITALS, CLINICS AND HEALTH CENTRES** San Juan de Dios Clinic (Málaga) Santa Elena Clinic (Málaga), Old People's Home (Fuente de Piedra), Rincón Clinic (Béjar), Old People's Home (Ronda). **RESIDENCES** Alpe Buildings (Tarragona). **LEISURE CENTRES** Xesc Forteza Theater (Palma de Mallorca), School of Music (Cádiz), The Royal Calvary (Seville), Ribadeo Auditorium (Lugo), GAS Natural Headquarters (Rubí). **BUSINESS CENTRES AND OFFICES** Aerospace Engineering Group (Seville), Banca March (Palma de Mallorca), Health Department Headquarters of the Andalusia Autonomous Government (Cádiz), Hilaturas Ferre (Alicante), Leti Laboratories (Barcelona), Casa del Libro Book Stores (Barcelona), Prenatal (Almería), Zara HOME (Valencia), Stradivarius (Gerona, A Coruña), Imegasa Paper and Pulp Mill (Mugardos, A Coruña), Pharmaceutical Cooperative (Santiago Compostela), Wine Cooperative (Cacabelos, León).

ESCOLA SEVER DO VOUGA
SCHOOL

Location: Aveiro (Portugal)
Initial situation: New construction
Units installed: Nexus
Capacity: 60 kW

ESTADO PORTUGUÊS - PALACIO DAS NECESSIDADES
PUBLIC BUILDING

Location: Lisbon (Portugal)
Initial situation: Rehabilitation
Units installed: Nexus
Capacity: 30 kW

REFERENCES. KEY INSTALLATIONS

CORDEX
TEXTILE COMPANY

Location: Esmoriz (Portugal)
Initial situation: New construction
Units installed: KEM200HN3 + KEM130HN3
Capacity: 315 kW

BIÈRE ARTISANALE SARLAT
BREWERY

Location: Vezac y Sarlat la Caneda (France)
Initial situation: Renovation
Units installed: Digital Scroll
Capacity: 95 kW

ALICANTE REVESTECH
COMMERCIAL BUILDING

Location: Alicante (Spain)
Initial situation: Renovation
Units installed: Nexus
Capacity: 65 kW

GADIS SUPERMARKET
COMMERCIAL BUILDING

Location: Oleiros - Coruña (Spain)
Initial situation: New construction
Units installed: Nexus
Capacity: 195 kW

ESADE
UNIVERSITY

Location: Barcelona (Spain)
Initial situation: Renovation
Units installed: Kem Modular Digital Scroll
Capacity: 195 kW

VOLKSWAGEN
BUSINESS CENTRE

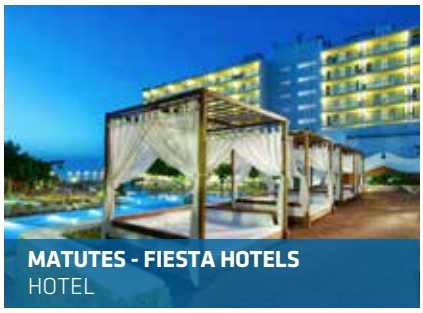
Location: Barcelona (Spain)
Initial situation: Replacement
Units installed: Nexus
Capacity: 200 kW

ANDALUCIA PRINCESS
HOTEL

Location: Málaga (Spain)
Initial situation: New construction
Units installed: Kem Modular Digital Scroll
Capacity: 700 kW

ZARA
COMMERCIAL BUILDING

Location: Girona (Spain)
Initial situation: New construction
Units installed: Kem Modular Digital Scroll
Capacity: 195 kW

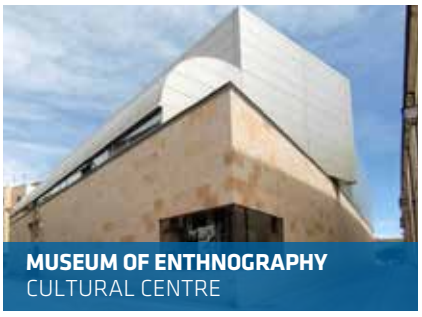


MATUTES - FIESTA HOTELS
HOTEL

Location: Ibiza (Spain)
Initial situation: Renovation
Units installed: Nexus
Capacity: 200 kW

GRAND PALLADIUM
HOTEL

Location: Ibiza (Spain)
Initial situation: Renovation
Units installed: Minichillers
Capacity: 251 kW



MUSEUM OF ENTHNOGRAPHY
CULTURAL CENTRE

Location: Zamora (Spain)
Initial situation: New construction
Units installed: Nexus
Capacity: 95 kW

GADIS SUPERMARKET
COMMERCIAL BUILDING

Location: Oleiros - Coruña (Spain)
Initial situation: New construction
Units installed: Nexus
Capacity: 195 kW

SCHOOL OF MUSIC
PUBLIC BUILDING

Location: Mallorca (Spain)
Initial situation: New construction
Units installed: Kem Modular Digital Scroll
Capacity: 200 kW

FORSTERS HOLLYWOOD
RESTAURANT

Location: Gijón (Spain)
Initial situation: New construction
Units installed: Nexus, Zen
Capacity: 90 kW

FANCOILS
Water Terminal Units Product Range

FANCOILS

Water Terminal Units Product Range

FANCOILS
Product Range

CEILING/FLOOR - 2nd GENERATION

This second generation has improved electronics, latest-generation control and an organic design which allows the air to flow in a more natural way.

0-10V INPUT SIGNAL · MODBUS · ON/OFF CONTACT · DC INVERTER INTERNAL FAN · COMPATIBLE WITH AIRZONE

Cooling power 2kW 3.5kW 4kW 7kW 2 pipes

WALL-MOUNTED

New, more elegant design and electronics with 0-10V signal input to control the DC fan and Modbus output.

0-10V INPUT SIGNAL · MODBUS · ON/OFF CONTACT · DC INVERTER INTERNAL FAN · COMPATIBLE WITH AIRZONE

Cooling power 2.5kW 4kW 5kW 2 pipes

CASSETTES 600x600

These units, with a 360° panel, achieve even, fast and far-reaching air-conditioning. They adapt to any space and can be fully integrated without sticking out, even in shallow ceilings.

AIR OUTLET 360° · ON/OFF CONTACT · FRESH AIR SUPPLY · DRAINAGE PUMP · DC INVERTER INTERNAL FAN · COMPATIBLE WITH AIRZONE

Cooling power 3kW 4kW 2 pipes

Cooling power 2.5kW 3kW 4 pipes

CASSETTES 840x840

New 360° panel with independent louvres, elegant design and advanced electronics, with 0-10V signal input to control the DC fan and Modbus output. They provide high levels of comfort with low consumption.

AIR OUTLET 360° · 0-10V INPUT SIGNAL · INDEPENDENT BLADES · MODBUS · ON/OFF CONTACT · DRAINAGE PUMP · DC INVERTER INTERNAL FAN · COMPATIBLE WITH AIRZONE

Cooling power 6kW 8kW 11kW 2 pipes

Cooling power 5kW 6.5kW 8kW 4 pipes

DUCTS

Compact fancoils with features that facilitate the installation process enormously, such as the filter which can be removed without opening the ducting, or its mounting plates.

FRESH AIR SUPPLY · AIR INTAKE · DC INVERTER INTERNAL FAN · COMPATIBLE WITH AIRZONE

Cooling power 2kW 3kW 4kW 6kW 8kW 9kW 11kW 2 pipes

Cooling power 1.5kW 2kW 3kW 4kW 5kW 4 pipes

FANCOILS. Water Terminal Units Product Range

Kaysun presents its new range of fancoils; water terminal units incorporating DC fans throughout practically the entire range. These units are the perfect complement to the Kaysun chiller range.

➔ The comfort of water

The fancoil units provide an air conditioning system comprising a water coil and a fan. These types of units are ideal for commercial premises and large areas, as they only need a piping system to supply the fancoil with cold or hot water. Kaysun incorporates the latest technologies within the water terminal units for commercial buildings and large residential installations.

➔ Cutting-edge design accompanied by maximum performance

All the units stand out for their elegant, compact, functional design, as Kaysun has not hesitated in providing their fancoils with a carefully-chosen cutting edge aesthetics.

Energy efficiency

Applying the same philosophy, Kaysun has not only paid attention to aesthetics, but also to consumption. These fancoils feature energy-efficient, ecological technologies, through which they reduce the energy consumption of an installation, providing the user with economic savings.

Impeccable regarding installation and maintenance

The entire range has been provided with impressive features to facilitate installation, reduce maintenance time and tasks, and maximise comfort for the user.

➔ Units available with 2 and 4 pipes

The Cassette 600x600 unit, Cassette 840x840 unit and ducts are available in 2 and 4-pipe configurations.
The four-pipe configurations allow units to be operating independently and simultaneously in cold and heat mode within the same installation.
Four-pipe coils are fitted with two rows to work in cold mode, and with one row to work in heat mode.
Ducts and cassette units include an extended condensation tray as standard.
Duct, cassette and wall type fancoil units have an optional L-shaped pipework kit for easy installation.

➔ All options within your reach

In order to adapt to all your installation requirements regarding function and aesthetics, the range includes ducts, floor/ceiling, cassette 600x600, cassette 840x840 and wall units. Kaysun has the perfect solution for any need.

➔ Silent equipment

The Kaysun fancoils not only provide comfort with their flow adjustment functions based on the thermal load for a minimum temperature fluctuation, but are also silent units that respect the harmony of the living environment.

➔ Huge variety and type of control

The Kaysun fancoils feature a wide range of controls, whether individual wireless, individual wired, centralised or gateway for integration within building management systems. Regarding aesthetics and function, the Kaysun range goes from the classic conventional thermostat, with sensor, temperature selection wheel and two switches (heat/off/cold and 3 speeds) to more advanced touch controls.

All the Kaysun fancoils are compatible with these controls as standard, except the duct and floor/ceiling fancoils, which have the basic controls and interface controls (with 2 or 4-tube versions) in order to be managed via more advanced controls.

CEILING/FLOOR 2nd GENERATION

These new second-generation units are specially designed to save space. Due to its reduced depth it allows flexible installation in wall-mounted to floor standing applications, whether totally or partially recessed, adapting perfectly to the aesthetics of the environment. The connections on the standard model are located to the left of the discharge.

➔ Horizontal or vertical installation

The same unit can be installed as floor or ceiling equipment, according to the needs of the space to be air conditioned.

➔ Uncased or concealed installation

The fancoil comes in uncased or concealed versions, providing the optimum solution for any setting.

➔ DC fans

Maximum comfort and reduced consumption.

➔ Wide range of controllers

There is a wide range of easy, intuitive individual and centralised controllers, integrated control solutions, integration within BMS and latest-generation wireless models.

KC-FC-S2
Recommended thermostat

0-10V INPUT SIGNAL | MODBUS | ON/OFF CONTACT | DC INVERTER INTERNAL FAN | COMPATIBLE WITH AIRZONE

2 PIPES CASED

MODEL			KFC-S2E-2T-250D	KFC-S2E-2T-350D	KFC-S2E-2T-500D	KFC-S2E-2T-800D
Capacity	Cooling min./max.	kW	1.19 / 2.35	2.2 / 3.5	2.71 / 4.3	4.57 / 7.35
	Sensitive cooling min./max.	kW	0.86 / 1.79	1.57 / 2.65	1.91 / 3.25	3.45 / 5.87
	Heating min./max.	kW	1.34 / 2.6	2.19 / 3.5	2.6 / 4.3	4.71 / 8.05
Power input min./max.			7 / 17	10 / 26	14 / 50	22 / 113
Indoor unit	Air flow low/medium/high	m³/h	190 / 315 / 400	340 / 470 / 595	410 / 580 / 790	685 / 1015 / 1360
	Sound pressure low/medium/high	dB(A)	29 / 37 / 43	37 / 45 / 52	43 / 52 / 59	49 / 58 / 64
	Width/height/depth	mm	1020 / 495 / 200	1240 / 495 / 200	1240 / 495 / 200	1360 / 495 / 200
	Net weight	kg	21.5	25.5	25.5	32.5
	Power supply	V/ph/Hz	220/1/50	220/1/50	220/1/50	220/1/50
Hydraulic system	Water flow cooling min./max.	m³/h	0.21 / 0.4	0.38 / 0.6	0.47 / 0.74	0.79 / 1.27
	Water pipe connections	inch	3/4"	3/4"	3/4"	3/4"
Evaporator pressure drop	Cooling min./max.	kPa	4.6 / 13.3	15.4 / 34.1	22.8 / 54.2	19.4 / 44.1
	Heating min./max.	kPa	4.5 / 14.3	14.8 / 35.1	22.3 / 54.3	18.2 / 46.9

2 PIPES UNCASED

MODEL			KFC-S2-2T-250D	KFC-S2-2T-350D	KFC-S2-2T-500D	KFC-S2-2T-800D
Capacity	Cooling min./max.	kW	1.19 / 2.35	2.2 / 3.5	2.71 / 4.3	4.57 / 7.35
	Sensitive cooling min./max.	kW	0.86 / 1.79	1.57 / 2.65	1.91 / 3.25	3.45 / 5.87
	Heating min./max.	kW	1.34 / 2.6	2.19 / 3.5	2.6 / 4.3	4.71 / 8.05
Power input min./max.			7 / 17	10 / 26	14 / 50	22 / 113
Indoor unit	Air flow low/medium/high	m³/h	190 / 315 / 400	340 / 470 / 595	410 / 580 / 790	685 / 1015 / 1360
	Sound pressure low/medium/high	dB(A)	29 / 37 / 43	37 / 45 / 52	43 / 52 / 59	49 / 58 / 64
	Width/height/depth	mm	858 / 455 / 200	1078 / 455 / 200	1078 / 455 / 200	1198 / 551 / 200
	Net weight	kg	16.5	19.5	19.5	25
	Power supply	V/ph/Hz	220/1/50	220/1/50	220/1/50	220/1/50
Hydraulic system	Water flow cooling min./max.	m³/h	0.21 / 0.4	0.38 / 0.6	0.47 / 0.74	0.79 / 1.27
	Water pipe connections	inch	3/4"	3/4"	3/4"	3/4"
Evaporator pressure drop	Cooling min./max.	kPa	4.6 / 13.3	15.4 / 34.1	22.8 / 54.2	19.4 / 44.1
	Heating min./max.	kPa	4.5 / 14.3	14.8 / 35.1	22.3 / 54.3	18.2 / 46.9

ACCESSORIES	MODEL
Recommended controller	KC-FC-S2
Thermostat for 2 pipe units	KC-FC-2T
Thermostat with display for 2 pipe units	KC-FCD2
Pipework kit for KFC-S2(E)-2T-250D until KFC-S2(E)-2T-500D	KIT TUB FC 2S(E)-2T
Pipework kit for KFC-S2(E)-2T-800D	KIT TUB FC 2S(E)-2T-1
3-way valve 3/4	KV3-FC 3/4
ON/OFF Actuator	KACT-0

The product meets the ErP (Energy Related Products) European Directive, which includes the (EU) Commission Delegated Regulation No. 2016/2281, also known as Ecodesign LOT21.
Ductless air flow (0 Pa available pressure).
Cooling capacity. Sensible cooling capacity. Water flow cooling. Evaporator pressure drop cooling: Water entering heat exchanger 7°C (thermal gap 5°C) - Ambient air 27°C DB/19°C WB.
Heating capacity. Evaporator pressure drop heating: Water entering heat exchanger 45°C (thermal gap 5°C) - Ambient air 20°C.
Sound pressure: Sound levels measured using an anechoic chamber and with reference to a unit for the installation of 2 pipes. The sound pressure level refers to the measurement taken at a distance of 1 m from the external surface of the unit, operating in the open air.

WALL-MOUNTED

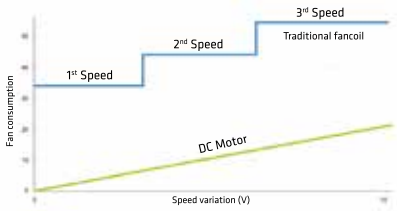
The Kaysun wall-mounted fancoils have been provided with impressive features to facilitate installation and reduce maintenance time and tasks, while at the same time maximising comfort for the user.

➔ Wide range of controllers

There is a wide range of easy, intuitive individual and centralised controllers, integrated control solutions, integration within BMS and latest-generation wireless models.

➔ Ease of installation

On/off 3-way valve as standard; the option to connect piping on both sides.

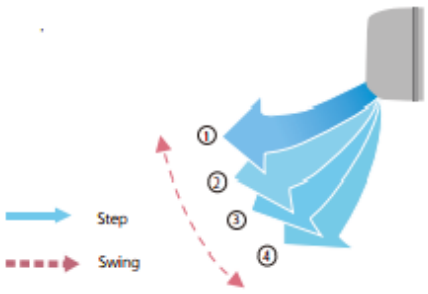


➔ 0-10V input

New electronics with 0-10V input signal to control the fan speed via external control.

➔ DC fans

Maximum comfort and reduced consumption.



➔ Swing

The best possible air flow distribution.

KI-04 S
Recommended controller

MODEL			KFC-AY-2T-250D2	KFC-AY-2T-400D2	KFC-AY-2T-600D2
Capacity	Cooling min./max.	kW	2.39 / 2.7	2.88 / 3.81	3.79 / 4.87
	Sensitive cooling min./max.	kW	1.85 / 2.15	2.31 / 3.18	3.1 / 4.11
	Heating min./max.	kW	2.58 / 2.94	3.09 / 4.3	3.96 / 5.26
Power input min./max.			8 / 13	15 / 34	18 / 38
Indoor unit	Air flow low/medium/high	m³/h	400 / 454 / 492	590 / 689 / 825	717 / 849 / 979
	Sound pressure low/medium/high	dB(A)	27 / 30 / 32	35 / 39 / 45	35 / 40 / 44
	Width/height/depth	mm	915 / 290 / 230	915 / 290 / 230	1072 / 315 / 230
	Net weight	kg	12.7	12.7	14.9
	Power supply	V/ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50
Hydraulic system	Water flow cooling min./max.	m³/h	0.42 / 0.48	0.51 / 0.67	0.65 / 0.85
	Water pipe connections	inch	3/4"	3/4"	3/4"
Evaporator pressure drop	Cooling min./max.	kPa	25.4 / 31.6	33 / 56.7	33.7 / 50.7
	Heating min./max.	kPa	30.2 / 32.7	35.7 / 51.9	33 / 47.1

ACCESSORIES	MODEL
Electronic thermostat with display	KCT-02.1 SR

The product meets the ErP (Energy Related Products) European Directive, which includes the (EU) Commission Delegated Regulation No. 2016/2281, also known as Ecodesign LOT21.
Ductless air flow (0 Pa available pressure).
Cooling capacity. Sensible cooling capacity. Water flow cooling. Evaporator pressure drop cooling: Water entering heat exchanger 7°C (thermal gap 5°C) - Ambient air 27°C DB/19°C WB.
Heating capacity. Evaporator pressure drop heating: Water entering heat exchanger 45°C (thermal gap 5°C) - Ambient air 20°C.
Sound pressure: Sound levels measured using an anechoic chamber and with reference to a unit for the installation of 2 pipes. The sound pressure level refers to the measurement taken at a distance of 1 m from the external surface of the unit, operating in the open air.
NOTE: The model's white colour may vary with respect to the image.

CASSETTES 600x600

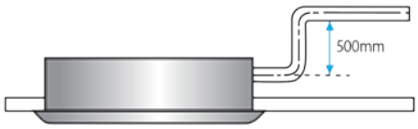
The Artflux cassette with 360° panel achieves uniform, rapid, far-reaching climate control, without leaving dead zones thanks to an additional motor that allows swing of between 37° and 42°. The unit is so compact and light that it can adapt and perfectly integrate within any space, including shallow ceilings, without sticking out.

➔ Wide range of controllers

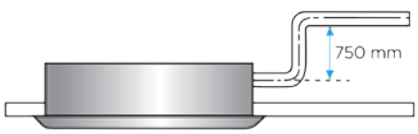
There is a wide range of easy, intuitive individual and centralised controllers, integrated control solutions, integration within BMS and latest-generation wireless models.

➔ Air control

- Uniform 360° air conditioning
- Outdoor air intake
- Outlet to adjacent office



Cassette 600x600



Cassette 840x840

➔ Condensation pump

- Condensation pump as standard
- Extended condensation tray as standard

➔ DC fans

Maximum comfort and reduced consumption.

AIR OUTLET 360° | ON/OFF CONTACT | FRESH AIR SUPPLY | DRAINAGE PUMP | DC INVERTER INTERNAL FAN | COMPATIBLE WITH AIRZONE

KI-04 S
Recommended controller

2 PIPES

MODEL			KFC-CI-2T-300D1	KFC-CI-2T-500D1
Capacity	Cooling min./max.	kW	2 / 2.98	3.01 / 4.2
	Sensitive cooling min./max.	kW	1.59 / 2.49	2.31 / 3.45
	Heating min./max.	kW	2.24 / 2.61	3.26 / 4.95
Power input min./max.			5 / 15	21 / 43
Indoor unit	Air flow low/medium/high	m³/h	322 / 429 / 535	494 / 611 / 781
	Sound pressure low/medium/high	dB(A)	27 / 33 / 39	32 / 38 / 43
	Width/height/depth	mm	575 / 261 / 575	575 / 261 / 575
	Net weight	kg	16.5	16.5
	Power supply	V/ph/Hz	220-240/1/50	220-240/1/50
Panel	Width/height/depth	mm	647 / 50 / 647	647 / 50 / 647
	Net weight	kg	2.5	2.5
Hydraulic system	Water flow cooling min./max.	m³/h	0.35 / 0.53	0.54 / 0.75
	Water pipe connections	inch	3/4"	3/4"
Evaporator pressure drop	Cooling min./max.	kPa	5 / 10	7.4 / 12.3
	Heating min./max.	kPa	5.3 / 12.1	6.1 / 9.4

4 PIPES

MODEL			KFC-CI-4T-300D1	KFC-CI-4T-500D1
Capacity	Cooling min./max.	kW	1.65 / 2.4	2.3 / 3.05
	Sensitive cooling min./max.	kW	1.26 / 2	1.75 / 2.54
	Heating min./max.	kW	2.25 / 4.24	3.09 / 5.97
Power input min./max.			5 / 14	11 / 32
Indoor unit	Air flow low/medium/high	m³/h	321 / 429 / 539	462 / 572 / 731
	Sound pressure low/medium/high	dB(A)	27 / 33 / 39	31 / 39 / 44
	Width/height/depth	mm	575 / 261 / 575	575 / 261 / 575
	Net weight	kg	16.7	16.7
	Power supply	V/ph/Hz	220-240/1/50	220-240/1/50
Panel	Width/height/depth	mm	647 / 50 / 647	647 / 50 / 647
	Net weight	kg	2.5	2.5
Hydraulic system	Water flow cooling min./max.	m³/h	0.29 / 0.42	0.4 / 0.54
	Water flow heating min./max.	m³/h	0.21 / 0.32	0.28 / 0.39
	Water pipes connection cooling/ heating	inch	3/4" / 1/2"	3/4" / 1/2"
Evaporator pressure drop	Cooling min./max.	kPa	9.3 / 17.4	10.3 / 16.8
	Heating min./max.	kPa	11.3 / 23.5	14.5 / 26.8

ACCESSORIES	MODEL
Electronic thermostat with display	KCT-02.1 SR
Pipework kit for 2 pipes Cassette 600x600 Fancoils	KIT TUB FC CI-2T
Pipework kit for 4 pipes Cassette 600x600 Fancoils	KIT TUB FC CI-4T
3-way valve 3/4 (cool water)	KV3-FC 3/4
3-way valve 1/2 (hot water)	KV3-FC 1/2
ON/OFF Actuator	KACT-0

KACT-0: Please remember to order 2 actuators for your 4 pipe Fancoil.

The product meets the ErP (Energy Related Products) European Directive, which includes the (EU) Commission Delegated Regulation No. 2016/2281, also known as Ecodesign LOT21.
Cooling capacity. Sensible cooling capacity. Water flow cooling. Evaporator pressure drop cooling: Water entering heat exchanger 7°C (thermal gap 5°C) - Ambient air 27°C DB/19°C WB.
Heating capacity. Water flow heating. Water pipes connections cooling/heating. Evaporator pressure drop heating: Water entering heat exchanger 45°C (thermal gap 5°C) - Ambient air 20°C.
Sound pressure: Sound levels measured using an anechoic chamber and with reference to a unit for the installation of 2 pipes. The sound pressure level refers to the measurement taken at a distance of 1 m from the external surface of the unit, operating in the open air.
NOTE: The model's white colour may vary with respect to the image.
Units available while stocks last.

CASSETTES 840x840

New 360° panel with independent louvers, elegant design and advanced electronics, with 0-10V signal input to control the DC fan and Modbus output. They provide high levels of comfort with low consumption.

➔ Air control

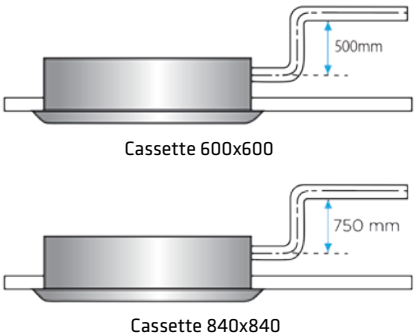
- Uniform 360° air conditioning
- Outdoor air intake
- Outlet to adjacent office

➔ Wide range of controllers

There is a wide range of easy, intuitive individual and centralised controllers, integrated control solutions, integration within BMS and latest-generation wireless models.

➔ DC fans

Maximum comfort and reduced consumption.



➔ Condensation pump

- Condensation pump as standard
- Extended condensation tray as standard

frigicoll

KI-04 S
Recommended controller

AIR OUTLET 360° | 0-10V INPUT SIGNAL | INDEPENDENT BLADES | MODBUS | ON/OFF CONTACT | DRAINAGE PUMP | DC INVERTER INTERNAL FAN | COMPATIBLE WITH AIRZONE

2 PIPES

MODEL			KFC-CIS-2T-600D2	KFC-CIS-2T-950D2	KFC-CIS-2T-1500D2
Capacity	Cooling min./max.	kW	4.4 / 5.93	6.35 / 7.84	7.48 / 11.19
	Sensitive cooling min./max.	kW	3.52 / 5	5.23 / 6.65	5.97 / 9.04
	Heating min./max.	kW	5.32 / 6.06	6.36 / 8.49	8.68 / 10.07
Power input min./max.			17 / 41	34 / 75	39 / 126
Indoor unit	Air flow low/medium/high	m³/h	768 / 987 / 1175	1101 / 1224 / 1530	1198 / 1415 / 1871
	Sound pressure low/medium/high	dB(A)	33 / 39 / 43	39 / 42 / 49	39 / 43 / 49
	Width/height/depth	mm	840 / 230 / 840	840 / 230 / 840	840 / 230 / 840
	Net weight	kg	23	27	29.5
	Power supply	V/ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50
Panel	Width/height/depth	mm	950 / 55 / 950	950 / 55 / 950	950 / 55 / 950
	Net weight	kg	5	5	5
Hydraulic system	Water flow cooling min./max.	m³/h	0.77 / 1.05	1.13 / 1.43	1.28 / 1.96
	Water pipe connections	inch	3/4"	3/4"	3/4"
Evaporator pressure drop	Cooling min./max.	kPa	11 / 19.2	14.1 / 22	16.4 / 36.6
	Heating min./max.	kPa	19.9 / 25.9	17.4 / 28.1	23.3 / 49.2

4 PIPES

MODEL			KFC-CIS-2T-600D2	KFC-CIS-2T-950D2	KFC-CIS-2T-1500D2
Capacity	Cooling min./max.	kW	4.4 / 5.93	6.35 / 7.84	7.48 / 11.19
	Sensitive cooling min./max.	kW	3.52 / 5	5.23 / 6.65	5.97 / 9.04
	Heating min./max.	kW	5.32 / 6.06	6.36 / 8.49	8.68 / 10.07
Power input min./max.			17 / 41	34 / 75	39 / 126
Indoor unit	Air flow low/medium/high	m³/h	768 / 987 / 1175	1101 / 1224 / 1530	1198 / 1415 / 1871
	Sound pressure low/medium/high	dB(A)	33 / 39 / 43	39 / 42 / 49	39 / 43 / 49
	Width/height/depth	mm	840 / 230 / 840	840 / 230 / 840	840 / 230 / 840
	Net weight	kg	23	27	29.5
	Power supply	V/ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50
Panel	Width/height/depth	mm	950 / 55 / 950	950 / 55 / 950	950 / 55 / 950
	Net weight	kg	5	5	5
Hydraulic system	Water flow cooling min./max.	m³/h	0.77 / 1.05	1.13 / 1.43	1.28 / 1.96
	Water pipe connections	inch	3/4"	3/4"	3/4"
Evaporator pressure drop	Cooling min./max.	kPa	11 / 19.2	14.1 / 22	16.4 / 36.6
	Heating min./max.	kPa	19.9 / 25.9	17.4 / 28.1	23.3 / 49.2

ACCESSORIES	MODEL
Electronic thermostat with display	KCT-02.1 SR
Pipework kit for 2 pipes Cassette 840x840 Fancoils	KIT TUB FC CIS-2T
Pipework kit for 4 pipes Cassette 840x840 Fancoils	KIT TUB FC CIS-4T
3-way valve 3/4 (cool water)	KV3-FC 3/4
3-way valve 1/2 (hot water)	KV3-FC 1/2
ON/OFF Actuator	KACT-0

KACT-0: Please remember to order 2 actuators for your 4 pipe Fancoil.

The product meets the ErP (Energy Related Products) European Directive, which includes the (EU) Commission Delegated Regulation No. 2016/2281, also known as Ecodesign LOT21.

Cooling capacity. Sensible cooling capacity. Water flow cooling. Evaporator pressure drop cooling: Water entering heat exchanger 7°C (thermal gap 5°C) - Ambient air 27°C DB/19°C WB.

Heating capacity. Water flow heating. Water pipes connections cooling/heating. Evaporator pressure drop heating: Water entering heat exchanger 45°C (thermal gap 5°C) - Ambient air 20°C.

Sound pressure: Sound levels measured using an anechoic chamber and with reference to a unit for the installation of 2 pipes. The sound pressure level refers to the measurement taken at a distance of 1 m from the external surface of the unit, operating in the open air.

NOTE: The model's white colour may vary with respect to the image.

DUCTS

These duct units include a tilted evaporator which, in addition to providing a wider exchange area, achieves a height which is so compact and low that it facilitates installation in rooms with false ceilings of just 241 mm. The connections on the standard model are located to the left of the discharge.

➔ Wide range of controllers

There is a wide range of easy, intuitive individual and centralised controllers, integrated control solutions, integration within BMS and latest-generation wireless models.

➔ Easy and fast to install and maintain

- Filter removable without opening ducting
- Plate to support ducting suction and discharge
- Extended condensation tray on left as standard

➔ Air control

- Replaceable air return panel (rear/lower)
- Outdoor air intake

➔ DC fans

Maximum comfort and reduced consumption.

FRESH AIR SUPPLY | AIR INTAKE | DC INVERTER INTERNAL FAN | COMPATIBLE WITH AIRZONE

KC-FCD2
Recommended thermostat for 2 pipes

KC-FCD2-M
Recommended thermostat for 4 pipes

2 PIPES

MODEL			KFC-PD-2T-200D	KFC-PD-2T-300D	KFC-PD-2T-400D	KFC-PD-2T-600D	KFC-PD-2T-800D	KFC-PD-2T-1000D	KFC-PD-2T-1200D
Capacity	Cooling min./max.	kW	1.32 / 2.35	2.1 / 3.12	2.5 / 3.99	3.78 / 5.85	5.08 / 8.02	5.66 / 8.96	6.79 / 10.79
	Sensitive cooling min./max.	kW	0.9 / 1.75	1.49 / 2.53	1.8 / 3.1	2.7 / 4.49	3.64 / 6.19	4.21 / 7.33	5.04 / 8.84
	Heating min./max.	kW	1.42 / 2.68	2.28 / 3.82	2.77 / 4.7	4 / 6.62	5.58 / 9.15	6.35 / 10.74	7.47 / 12.62
Power input min./max.			6 / 17	7 / 20	9 / 26	12 / 49	16 / 60	19 / 96	21 / 106
Indoor unit	Air flow low/medium/high	m³/h	205 / 273 / 411	311 / 442 / 596	389 / 564 / 734	544 / 760 / 1022	781 / 1038 / 1452	906 / 1332 / 1824	1083 / 1581 / 2134
	Sound pressure low/medium/high	dB(A)	23 / 28 / 38	21 / 30 / 36	24 / 32 / 38	30 / 39 / 46	28 / 36 / 45	31 / 41 / 48	32 / 42 / 49
	Max. pressure available	Pa	70	70	70	70	70	70	70
	Width/height/depth	mm	741 / 241 / 522	841 / 241 / 522	941 / 241 / 522	1161 / 241 / 522	1461 / 241 / 522	1566 / 241 / 522	1856 / 241 / 522
	Net weight	kg	16.7	19	21	23.7	33	34.7	39.2
	Power supply	V/ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
Hydraulic system	Water flow cooling max.	m³/h	0.43	0.6	0.69	1.05	1.42	1.59	1.93
	Water pipe connections	inch	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"	3/4"
Evaporator pressure drop	Cooling min./max.	kPa	6.3 / 13.6	11.3 / 23.8	5.8 / 13	14.2 / 31.4	13.9 / 31.6	10.8 / 24.1	12.8 / 26.3
	Heating min./max.	kPa	4.9 / 12.6	11.3 / 25	6.2 / 13	13.6 / 31.7	13.9 / 32.9	12 / 28.3	11.9 / 29.4

4 PIPES

MODEL			KFC-PD-4T-200D	KFC-PD-4T-300D	KFC-PD-4T-500D	KFC-PD-4T-600D	KFC-PD-4T-800D
Capacity	Cooling min./max.	kW	0.8 / 1.4	1.5 / 2.2	1.9 / 3	2.5 / 4.2	3.1 / 5.3
	Sensitive cooling min./max.	kW	0.58 / 1.02	1.1 / 1.61	1.39 / 2.2	1.82 / 3.1	2.26 / 3.87
	Heating min./max.	kW	1.23 / 2.3	2.2 / 3.08	2.84 / 3.62	3.51 / 5.57	4.41 / 6.3
Power input min./max.			5 / 16	8 / 21	10 / 36	11 / 45	14 / 57
Indoor unit	Air flow low/medium/high	m³/h	140 / 210 / 320	280 / 340 / 450	370 / 470 / 690	440 / 670 / 900	670 / 840 / 1240
	Sound pressure low/medium/high	dB(A)	26 / 32 / 36	26 / 33 / 37	28 / 35 / 58	29 / 36 / 39	30 / 37 / 41
	Max. pressure available	Pa	70	70	70	70	70
	Width/height/depth	mm	741 / 241 / 522	841 / 241 / 522	941 / 241 / 522	1161 / 241 / 522	1461 / 241 / 522
	Net weight	kg	17.2	19.5	21.5	24.2	33.5
	Power supply	V/ph/Hz	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50	220-240/1/50
Hydraulic system	Water flow cooling max.	m³/h	0.27	0.38	0.54	0.73	0.93
	Water flow heating max.	m³/h	0.2	0.27	0.32	0.49	0.55
	Water pipes connection cooling/ heating	inch	3/4" / 3/4"	3/4" / 3/4"	3/4" / 3/4"	3/4" / 3/4"	3/4" / 3/4"
Evaporator pressure drop	Cooling min./max.	kPa	4.7 / 10.2	5 / 10.5	6 / 13.6	6.9 / 15.3	5.6 / 12.8
	Heating min./max.	kPa	3.6 / 8.9	4 / 9.1	5.2 / 11.7	19 / 42.8	5.3 / 12

ACCESSORIES	MODEL
Thermostat for 2 pipes units	KC-FC-2T
Thermostat for 4 pipes units	KC-FC-4T
Thermostat with display for 2 pipe units	KC-FCD2
Thermostat with display for 4 pipe units	KC-FCD2-M
Interface to Kaysun control for 2 pipe units	K01-FC-2T
Interface to Kaysun control for 4 pipe units	K01-FC-4T
Pipework kit for 2 pipes Ducts Fancoils	KIT TUB FC PD-2T-2
Pipework kit for 4 pipes Ducts Fancoils	KIT TUB FC PD-4T-1
3-way valve 3/4	KV3-FC 3/4
ON/OFF Actuator	KACT-0

KACT-0: Please remember to order 2 valves and 2 actuators for your 4 pipes fancoils.

The product meets the ErP (Energy Related Products) European Directive, which includes the (EU) Commission Delegated Regulation No. 2016/2281, also known as Ecodesign LOT21.
Ductless air flow (0 Pa available pressure).
Cooling capacity. Sensible cooling capacity. Water flow cooling. Evaporator pressure drop cooling: Water entering heat exchanger 7°C (thermal gap 5°C) - Ambient air 27°C DB/19°C WB.
2 PIPES: Heating capacity. Evaporator pressure drop heating: Water entering heat exchanger 45°C (thermal gap 5°C) - Ambient air 20°C.
4 PIPES: Heating capacity. Water flow heating. Water pipes connection cooling/ heating. Evaporator pressure drop heating: Water entering heat exchanger 65°C (thermal gap 10°C) - Ambient air 20°C.
Sound pressure: Sound levels measured using an anechoic chamber and with reference to a unit for the installation of 2 pipes. The sound pressure level refers to the measurement taken at a distance of 1 m from the external surface of the unit, operating in the open air.

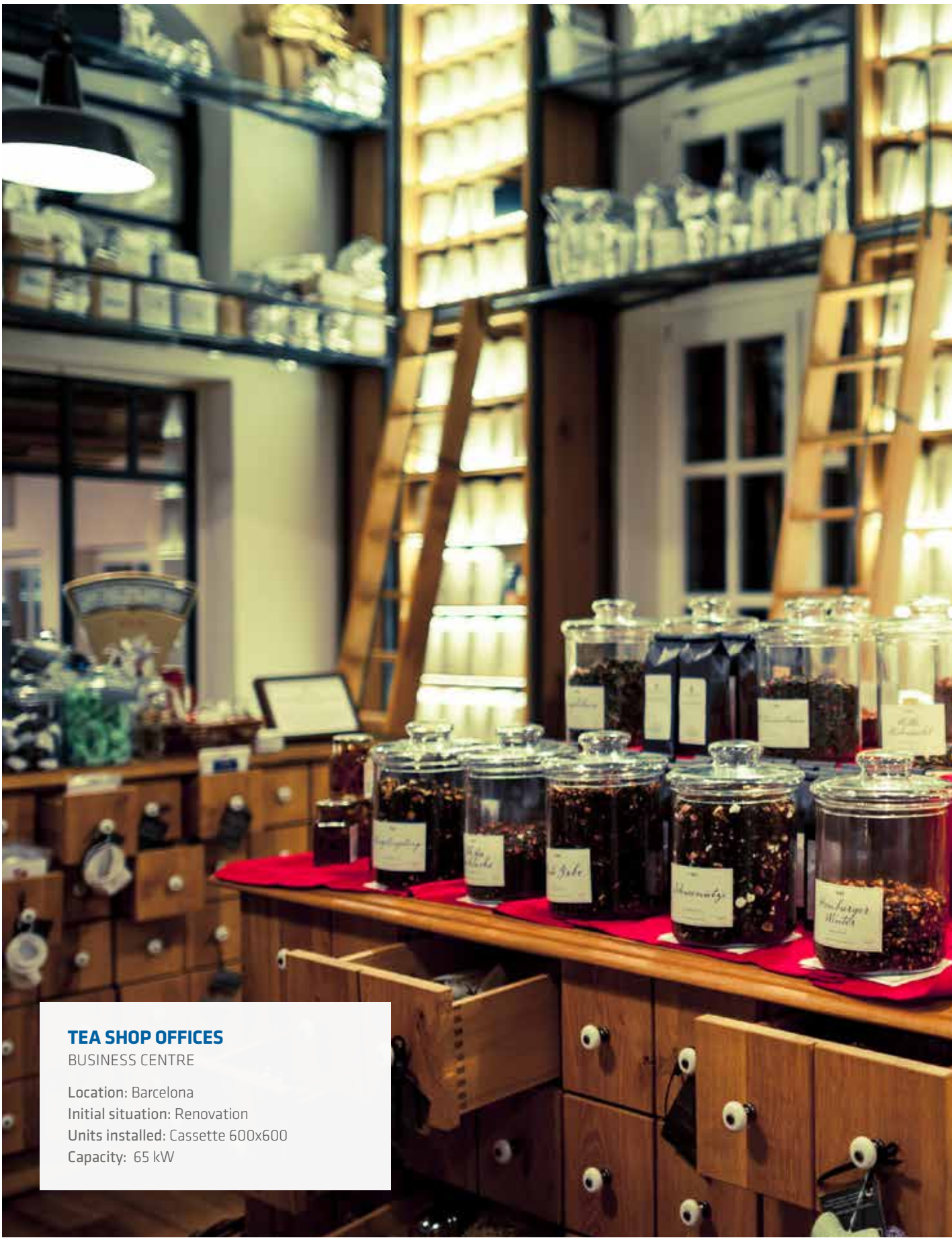
FANCOILS CONTROLLERS

		DESCRIPTION	CODE
INDIVIDUAL CONTROLLERS		2-pipe wall mechanical thermostat	KC-FC-2T
		4-pipe wall mechanical thermostat	KC-FC-4T
		Digital controller for on-board installation of the unit or wall installation	KC-FC-S2
		Wall thermostat with display for 2-pipe installation	KC-FCD2
		Wall thermostat with display for 4-pipe installantion and Modbus output	KC-FCD2-M
		Wall thermostat with display for 2- or 4-pipe installation	KCT-02.1 SR
		Wall thermostat with display for 2- or 4-pipe installation	KC-02.1 H
		Individual wireless controller	KI-04 S
		Interface for 2-pipe installation	K01-FC-2T
		Interface for 4-pipe installation	K01-FC-4T
CENTRALISED CONTROLLERS		Centralised controller through APP or WEB	KCC-64 WEB 2019
		Centralised controller	KCCT-64 I (B)
PASSERELLE DE COMMUNICATION		Modbus	K02-MODBUS or K01 MODBUS
		Bacnet	K01-BACNET
		Lonwork	K01-LON
		Knx	K01-KNX
	Compatible with AIRZONE	Compatible with Airzone	Contact with Airzone
WiFi		WiFi	K01-WIFI

For more information, check our Controllers range pag. 248-267 / - Not available / O Optional

	 Ceiling/Floor 2nd Gen	 Cassette 600x600	 Cassette 840x840	 Wall-mounted	 Ducts
	O	-	-	-	O
	-	-	-	-	O
	O	-	-	-	-
	O	-	-	-	O
	O	-	-	-	O
	+ K01-FC-XT	O	O	O	+ K01-FC-XT
	+ K01-FC-XT	O	O	O	+ K01-FC-XT
	+ K01-FC-XT	O	O	O	+ K01-FC-XT
	O	-	-	-	O
	-	-	-	-	O
	O	O	O	O	+ K01-FC-XT
	O	O	O	O	+ K01-FC-XT
	standard	O	standard	standard	+ K01-FC-XT.1 or KC-FCD2-M
	O	O	O	O	+ K01-FC-XT
	O	O	O	O	+ K01-FC-XT
	O	O	O	O	+ K01-FC-XT
	O	O	O	O	O
	+ K01-FC-XT	O	O	O	+ K01-FC-XT

REFERENCES. KEY INSTALLATIONS



TEA SHOP OFFICES
BUSINESS CENTRE

Location: Barcelona
Initial situation: Renovation
Units installed: Cassette 600x600
Capacity: 65 kW

REFERENCES. KEY INSTALLATIONS

The INDOOR UNITS of the **FANCOIL RANGE** are the best complement for the NEXUS RANGE CHILLERS. The **FANCOILS RANGE** includes a wide variety of models and capacities that are available in 2 and 4 pipes configurations. These highly versatile units adapt to every type of installation.

SUN BEACH
APARTMENTS

Location: Santa Ponça (Spain)
Initial situation: Renovation
Units installed: Wall
Capacity: 55 kW

OTHER CUSTOMERS THAT HAVE TRUSTED **KAYSUN FANCOILS**

BUSINESS CENTRES AND OFFICES
Cardomore Water Plant (Ibiza), CIE Galfor (Orense),

PUBLIC BUILDINGS
"Miguel Rodríguez" Multipurpose Centre for Elderly People Comprehensive Care (Cádiz), Museo de la Cruz Museum (Córdoba)

HOTELS
Andreas Apartments (Majorca)

TEA SHOP OFFICES
BUSINESS CENTRE

Location: Barcelona (Spain)
Initial situation: Renovation
Units installed: Cassette 600x600
Capacity: 65 kW

SANTO ANGEL SCHOOL
PUBLIC BUILDING

Location: Madrid (Spain)
Initial situation: Renovation
Units installed: different models
Capacity: 95 kW

JUAN MARCH HOSPITAL
PUBLIC BUILDING

Location: Mallorca (Spain)
Initial situation: Renovation
Units installed: Cassette 600x600
Capacity: 330 kW

REGINA PARK HOTEL
HOTEL

Location: Ibiza (Spain)
Initial situation: Renovation
Units installed: different models
Capacity: 195 kW

COEPS FIRE BRIGADE HEADQUARTERS
PUBLIC BUILDING

Location: Seville (Spain)
Initial situation: Renovation
Units installed: KEM 30 DHN2KH + 6 KFC PD + RITE 4000.2+
Capacity: 30 kW

LLOBREGAT WATER PLANT
BUSINESS CENTRE

Location: Barcelona (Spain)
Initial situation: Renovation
Units installed: Cassette 840x840 and 600x600
Capacity: 75 kW

CONTROLS
Systems Controls Range

CONTROLS

Systems Controls Range

CONTROLS
System Controls Range

To get the most out of the units, choosing the correct controller is a very important part of the job. For this reason, KAYSUN has a very powerful and versatile range of controllers to fit into different installations and customers needs. Inside the range, you will find different options in single controllers, both wireless or wired to adapt the installation to your needs

WIRELESS AND WIRED CONTROLLERS

The Kaysun range has a wide variety of individual wireless and wired controls. Each of them has been conceived and designed for a specific range in order to be able to make full use of the control of the unit.

CENTRALISED CONTROLLERS

When the installation grows and it is necessary to monitor all the units, the first option is centralised control. The Kaysun range has three different types of centralised control; two centralised touch screen controls great functions and ease of use, a control panel with touch button controls for controlling up to 64 indoor units, and centralised web control to view the indoor units from anywhere.

B.M.S. (BUILDING MANAGEMENT SYSTEMS)

Within its range Kaysun has integrated gateway controls for BMS integration with the most common protocols: Modbus, Lonworks, KNX and Bacnet.

WIFI CONTROLLER

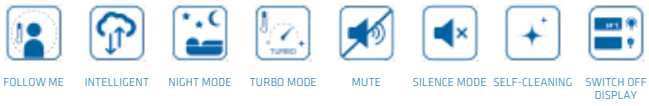
Within wifi control, there are several control options which vary based on the unit to control and the requirements of each installation.

ACCESSORIES

Various accessories that allow us to extend the possibilities of our indoor units, add complementary functions to other controls and/or facilitate the installation of Kaysun equipment.

INDIVIDUAL **WIRELESS CONTROLLERS**

KID-05 S



FEATURES

- 24-hour timer
- Temperature control in 1°C increments
- LED function*
- ECO/GEAR function*
- SLEEP function*
- CLEAN function*
- FOLLOW ME function*
- SILENCE function*
- 100-level fan control*

** Functions compatibles with the SUITE and ZEN ranges. Check compatibility of functions in machine manual.*

COMPATIBLE WITH:		
SUITE	YES	
ZEN	YES	
ZEN H. CAP.	NO	
AMAZON	NO	
FANCOILS	YES	Low pressure ducts / Ceiling/Floor require interface
HRV	NO	

KI-04 S

FEATURES

- 24-hour timer
- Temperature control in 0.5°C or 1°C increments
- 3- or 7-speed fan control
- Individual control of louvres (cassette units)
- Direction setting for VRF indoor units
- Remote indoor unit display shut-down
- LOCK feature display
- LED function
- Displays with ECO feature is activated
- Silence function
- FOLLOW ME function

COMPATIBLE WITH:		
SUITE	NO	
ZEN	NO	
ZEN H. CAP.	YES	
AMAZON	YES	
FANCOILS	YES	Low pressure ducts / Ceiling/Floor require interface
HRV	NO	

INDIVIDUAL **WIRED CONTROLLERS**

KC-03.1 SPS

FOLLOW ME | TWINS | WEEKLY PROGRAMMER

FEATURES

- 24-hour timer
- Follow me
- Malfunction codes display
- Temperature control in 1°C increments
- Weekly timer
- Automatic and manual setting of static pressure in ducts
- 2-wire communication

COMPATIBLE WITH:		
SUITE	YES	Only: Ducts
ZEN	YES	Only: Ducts / Superslim Cassette 840x840 / Floor/Ceiling
ZEN H. CAP.	NO	
AMAZON	NO	
FANCOILS	NO	
HRV	NO	

KC-03.2 SPS

FOLLOW ME | TWINS | WEEKLY PROGRAMMER

FEATURES

- 24-hour timer
- Follow me
- Malfunction codes display
- Temperature control in 1°C increments
- Weekly timer
- Automatic and manual setting of static pressure in ducts
- 4-wire communication

COMPATIBLE WITH:		
SUITE	YES	Only: Prodigy with multifunction board
ZEN	YES	Only: Cassette 600x600
ZEN H. CAP.	NO	
AMAZON	NO	
FANCOILS	NO	
HRV	NO	

KCT-03 SR

FOLLOW ME | INTELLIGENT | TWO COMMUNICATION WIRES | TOUCH SENSITIVE KEYS | ADDRESSING

FEATURES

- 24-hour timer
- Malfunction codes display
- Built-in infrared signal receiver
- Auto-Restart
- 3- or 7-speed fan control
- Languages: English

COMPATIBLE WITH:		
SUITE	NO	
ZEN	NO	
ZEN H. CAP.	YES	EXCEPT: High capacity sets
AMAZON	YES	
FANCOILS	NO	
HRV	NO	

KCT-03 SRPS (A)

FOLLOW ME | INTELLIGENT | TWO COMMUNICATION WIRES | WEEKLY PROGRAMMER | TOUCH SENSITIVE KEYS | ADDRESSING

FEATURES

- Weekly timer
- 24-hour timer
- Malfunction codes display
- Touch sensitive
- Built-in infrared signal receiver
- Clock
- Capacity to control up to 16 indoor units
- LOCK feature display
- Two-tier access

COMPATIBLE WITH:		
SUITE	NO	
ZEN	NO	
ZEN H. CAP.	YES	EXCEPT: High capacity sets
AMAZON	YES	
FANCOILS	NO	
HRV	YES	ONLY: KRE units

KCT-02.1 SR

FOLLOW ME | TOUCH SENSITIVE KEYS | ADDRESSING

FEATURES

- 24-hour timer
- Touch sensitive
- Built-in infrared signal receiver
- LOCK feature display
- Memory function

COMPATIBLE WITH:		
SUITE	YES	Only: Ducts
ZEN	YES	Only: Ducts
ZEN H. CAP.	YES	
AMAZON	YES	Only: Duct, High preassure ducts
FANCOILS	YES	Low pressure ducts / Ceiling/Floor require interface
HRV	NO	

KC-02.1 H

FEATURES

- Simplified; ideal for hotels
- Selection of locking mode
- 26°C function
- Memory function

COMPATIBLE WITH:		
SUITE	YES	Only: Ducts
ZEN	YES	Only: Ducts
ZEN H. CAP.	YES	Only: High capacity sets
AMAZON	YES	Only: Duct, High pressure ducts
FANCOILS	YES	Low pressure ducts / Ceiling/Floor require interface
HRV	NO	

CENTRALISED CONTROLLERS

KCCT-64 I(B-A)

FEATURES

- Up to 64 indoor units and 8 cooling systems
- Daily timer
- Error code display
- Operating parameter view
- Emergency stop
- Keypad lock
- Full operating mode and thermostat lock

COMPATIBLE WITH:		
SUITE	YES	Only: Prodigy with Multifunction board / Ducts -X / Cassette 600x600
ZEN	YES	Except: Ducts with no -X ending / Floor/Ceiling with no -X ending
ZEN H. CAP.	YES	
AMAZON	YES	Cannot mix communication protocols, only s4+ or s6, not both at the same time per unit
FANCOILS	YES	Low pressure ducts / Ceiling/Floor require interface. Basic functions; on/off, set point, 3 speeds, general alarm and programming.
HRV	NO	

KCCT-64 IPS (A)

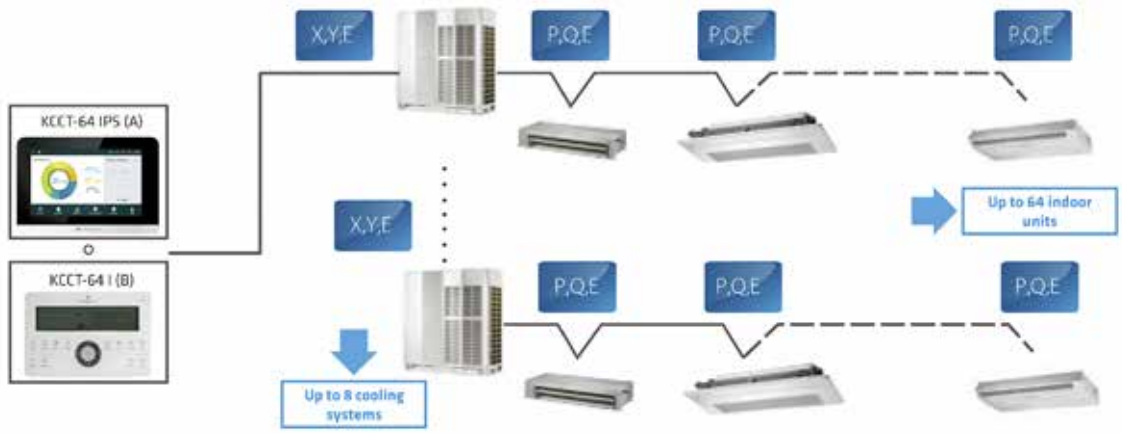
WEEKLY PROGRAMMER

TOUCH SENSITIVE KEYS

FEATURES

- 6.2" touch screen with easy, intuitive interface
- Up to 64 indoor units and 8 cooling systems
- Weekly timer with full year calendar
- Group management
- Error code display
- Individual control, operating mode, temperature and speed lock
- Operation, breakdown and operating hours history for indoor units
- Operating parameters view
- Two-tier access (administrator and user)
- Languages: Spanish, English, French, Portuguese, Italian, German, Chinese, etc.

COMPATIBLE WITH:		
SUITE	YES	Only: Prodigy with Multifunction board / Ducts -X / Cassette 600x600
ZEN	YES	Except: Ducts with no -X ending / Floor/Ceiling with no -X ending
ZEN H. CAP.	YES	
AMAZON	YES	Cannot mix communication protocols, only s4+ or s6, not both at the same time per unit
FANCOILS	YES	Basic functions; on/off, set point, 3 speeds, general alarm and programming. Low pressure ducts require interface
HRV	YES	



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KCCT-384B IPS (A)

WEEKLY PROGRAMMER

TOUCH SENSITIVE KEYS

FEATURES

- 10.1" touch screen with easy, intuitive interface
- Up to 384 indoor units, 192 outdoor units and 48 cooling systems
- Web function (remote access over LAN)
- Weekly timer with full year calendar
- Group management
- Error code display
- Individual control, operating mode, temperature and speed lock
- Operation, breakdown and operating hours history for indoor units
- Operating parameter view
- Two-tier access (administrator and user)
- Distribution of energy consumption (it is necessary to fit a wattmeter to all outdoor units)
- It allows s4+ and s6 systems to be managed simultaneously (connected to different CCM XYE buses)
- Languages: Spanish, English, French, Portuguese, Italian, German, Chinese, etc.

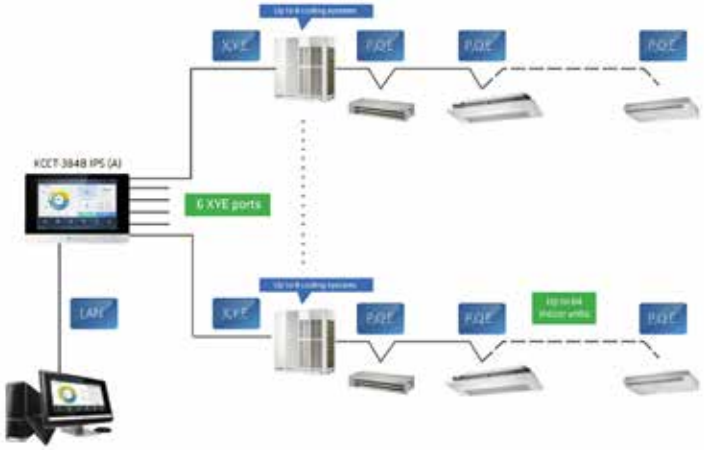
BUILDING LAYOUT

Building Layout can be imported, and the indoor units added later in position to create visual representations that are simpler to manage.

CONSUMPTION DISTRIBUTION

Using the patented system, you can estimate the consumption of each outdoor unit and make a distribution of it indoor unit by indoor unit.

COMPATIBLE WITH:		
SUITE	YES	Only: Prodigy with Multifunction board / Ducts –X / Cassette 600x600
ZEN	YES	Except: Ducts with no –X ending / Floor/Ceiling with no –X ending
ZEN H. CAP.	YES	
AMAZON	YES	
FANCOILS	YES	Basic functions; on/off, set point, 3 speeds, general alarm and programming. Low pressure ducts require interface
HRV	YES	



WEB BASED CENTRAL CONTROLLER

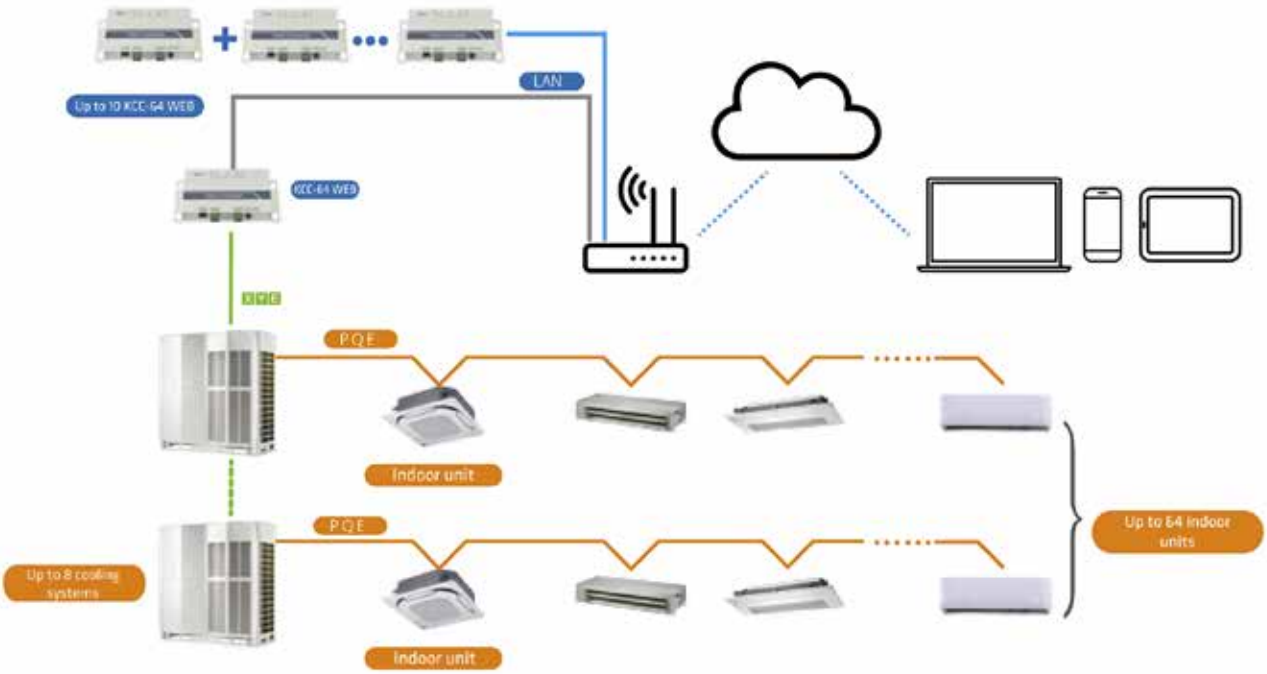
KCC-64 WEB

WEEKLY PROGRAMMER

FEATURES

- Up to 64 indoor units per device
- Management via app or Web; capable of controlling up to 10 KCC-64 WEB modules
- Weekly timer
- Group management
- Error code display
- Individual control, operating mode, temperature and speed lock
- Two-tier access (administrator and user)
- Operation, breakdown and connected user history
- User management
- Languages: Spanish, English and French

COMPATIBLE WITH:		
SUITE	YES	Only: Prodigy with Multifunction board / Ducts -X / Cassette 600x600
ZEN	YES	Except: Ducts with no -X ending / Floor/Ceiling with no -X ending
ZEN H. CAP.	YES	
AMAZON	YES	EXCEPT: Amazon IV HR * Communication protocols cannot be mixed, only s4+ or s6, not at the same time per unit.
FANCOILS	YES	Basic functions; on/off, set point, 3 speeds, general alarm and programming. Low pressure ducts require interface
HRV	NO	



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KAYNET CONTROL PRO

FEATURES

- A Kaysun solution for integrated control of your units
- Up to 480 cooling systems, 1920 outdoor units and 3840 indoor units
- K05.2-BACNET (A) or KCCT-384B IPS(A) required (up to a maximum of 10 units) *Supplied separately
- Distribution of energy consumption (it is necessary to fit a wattmeter to all outdoor units)
- Access via Web
- Building plans, group management, timer, information and breakdown history
- Error code display
- Several languages

COMPATIBLE WITH:		
SUITE	NO	
ZEN	NO	
ZEN H. CAP.	YES	Except: High capacity sets / Water condensed sets
AMAZON	YES	Only: s6 ODU compatible units
FANCOILS	NO	
HRV	YES	

KAYNET CONTROL

FEATURES

- A Kaysun solution for integrated control of your units
- Up to 16 cooling systems, 64 outdoor units and 256 indoor units
- Distribution of energy consumption (it is necessary to fit a wattmeter to all outdoor units)
- Access via Web
- Building plans, group management, timer, information and breakdown history
- Error code display
- Several languages

COMPATIBLE WITH:		
SUITE	YES	Only: Prodigy with Multifunction board / Ducts –X / Cassette 600x600
ZEN	YES	Except: Ducts with no –X ending / Floor/Ceiling with no –X ending
ZEN H. CAP.	YES	Only: High capacity sets / Water condensed sets
AMAZON	YES	Only: s4+ ODU compatible units
FANCOILS	NO	
HRV	NO	

B.M.S. (Building Management Systems)

K05-MODBUS (A)

FEATURES

- Modbus RTU or Modbus TCP/IP protocols
- Up to 8 cooling systems, 4 outdoor units and 64 indoor units

K02-MODBUS

FEATURES

- Modbus RTU or Modbus TCP/IP protocols
- Up to 8 cooling systems, 4 outdoor units and 64 indoor units

COMPATIBLE WITH:	K05-MODBUS(A)		K02-MODBUS	
SUITE	NO		YES	Only: Prodigy with Multifunction board / Ducts –X / Cassette 600x600
ZEN	NO		YES	Except: Ducts with no –X ending / Floor/Ceiling with no –X ending
ZEN H. CAP.	YES	Except: High capacity sets / Water condensed sets	YES	Only: High capacity sets / Water condensed sets
AMAZON	YES	Only: s6 ODU compatible units	YES	Only: s4+ ODU compatible units
FANCOILS	NO		NO	Cassette 600x600
HRV	NO		YES	

K01 MODBUS 1
K01 MODBUS 4
K01 MODBUS 8
K01 MODBUS 32

FEATURES

- Modbus RTU protocol
- Power supply included
- Various gateway types to connect 1, 4, 8 or 32 indoor units

COMPATIBLE WITH:		
SUITE	YES	Only: Prodigy with Multifunction board / Ducts –X / Cassette 600x600
ZEN	YES	Except: Ducts with no –X ending / Floor/Ceiling with no –X ending
ZEN H. CAP.	YES	Only: High capacity sets / Water condensed sets
AMAZON	YES	Only: s4+ ODU compatible units
FANCOILS	YES	Basic functions; on/off, set point, 3 speeds, general alarm and programming. Low pressure ducts require interface
HRV	NO	

BACnet

K05.2-BACNET (A)

FEATURES

- It has 4 XYE ports and each of them can be connected to a maximum of 8 cooling systems, 32 outdoors or 64 indoors
- Dual function, supports BACnet BMS and KAYNET CONTROL PRO simultaneously

K01-BACNET

FEATURES

- Capacity to control up to 256 indoor units
- Depending on the configuration, up to 256 indoor or 128 outdoor units can be controlled

COMPATIBLE WITH:		K05.2-BACNET (A)		K01-BACNET
SUITE	NO		YES	Only: Prodigy with Multifunction board / Ducts –X / Cassette 600x600
ZEN	NO		YES	Except: Ducts with no –X ending / Floor/Ceiling with no –X ending
ZEN H. CAP.	YES	Except: High capacity sets / Water condensed sets	YES	Only: High capacity sets / Water condensed sets
AMAZON	YES	Only: s6 ODU compatible units	YES	Only: s4+ ODU compatible units
FANCOILS	NO		YES	Low pressure ducts require interface
HRV	NO		NO	

K05 BACNET 1

FEATURES

- BACnet/IP and BACnet MSTP protocols
- Power supply included
- Various gateways to connect 2 outdoor unit

COMPATIBLE WITH:		
SUITE	YES	Only: Prodigy with Multifunction board / Ducts –X / Cassette 600x600
ZEN	YES	Except: Ducts with no –X ending / Floor/Ceiling with no –X ending
ZEN H. CAP.	YES	
AMAZON	YES	Only s4+ or s6, not both at the same time per unit
FANCOILS	NO	
HRV	NO	

KNX

K05-KNX
K05-KNX 01 (A)

FEATURES

- **K05-KNX:** KNX gateway for 1 VRF 2nd generation indoor unit (DN4). 1 is required for each indoor unit
- **K05-KNX 01 (A):** KNX gateway for the Amazon IV HR KWF-140 HT ACS (High temperature hydraulic module). 1 is required for each indoor unit

COMPATIBLE WITH:		K05-KNX		K05-KNX 01(A)	
SUITE	NO		NO		
ZEN	NO		NO		
ZEN H. CAP.	YES	Only: DN 4.0 Indoors	NO		
AMAZON	YES	Only: DN 4.0 Indoors	YES	Only for KWF-140 HT	
FANCOILS	NO		NO		
HRV	NO		NO		

K01-KNX 1
K01-KNX 16
K01-KNX 64

FEATURES

- KNX protocol
- Various gateway types to connect 1, 16 or 64 indoor units

COMPATIBLE WITH:		
SUITE	YES	Only: Prodigy with Multifunction board / Ducts -X / Cassette 600x600
ZEN	YES	Except: Ducts with no -X ending / Floor/Ceiling with no -X ending
ZEN H. CAP.	YES	Only: High capacity sets / Water condensed sets
AMAZON	YES	Only: s4+ ODU compatible units
FANCOILS	YES	Low pressure ducts require interface
HRV	NO	

LonWorks

K05-LON (A)

FEATURES

- It has 1 XYE port which can be connected to a maximum of 8 cooling systems or 32 indoors

K01-LON

FEATURES

- Capacity to control up to 64 indoor units

COMPATIBLE WITH:		K05-LON(A)		K01-LON
SUITE	NO		YES	Only: Prodigy with Multifunction board / Ducts –X / Cassette 600x600
ZEN	NO		YES	Except: Ducts with no –X ending / Floor/Ceiling with no –X ending
ZEN H. CAP.	YES	Except: High capacity sets / Water condensed sets	YES	Only: High capacity sets / Water condensed sets
AMAZON	YES	Only: s6 ODU compatible units	YES	Only: s4+ ODU compatible units
FANCOILS	NO		YES	Low pressure ducts require interface
HRV	NO		NO	

WiFi

K03 WIFI LCAC
K04 WIFI LCAC

FEATURES

- One is required for each indoor unit
- Connection to the board of the indoor unit
- Control via the NetHOME Plus app
- Weekly timer
- Bidirectional communication

works with Google Assistant

WORKS WITH amazon alexa

COMPATIBLE WITH:		K03 WIFI LCAC		K04 WIFI LCAC
SUITE	YES	Except: Duct-X / Floor/Ceeling -X	NO	
ZEN	YES	Except: Duct-X / Floor/Ceeling -X / Cassette superslim 840x840	YES	Only: Superslim Cassette 840x840
ZEN H. CAP.	NO		NO	
AMAZON	NO		NO	
FANCOILS	NO		NO	
HRV	NO		NO	

FRIWF-USB-02

FEATURES

- One is required for each indoor unit
- Connection to the screen board via USB
- Control via the NetHOME Plus app
- Weekly timer
- Bidirectional communication

works with Google Assistant

WORKS WITH amazon alexa

COMPATIBLE WITH:		
SUITE	YES	Only: Casual / Prodigy / Sensation / Onnix
ZEN	NO	
ZEN H. CAP.	NO	
AMAZON	NO	
FANCOILS	NO	
HRV	NO	

NetHOME Plus APP

Download on the App Store

ANDROID APP ON Google play

frigicoll

K01-WIFI

FEATURES

- One is required for each indoor unit
- Communication with the machine via infrared
- Control via the Intesis AC Cloud app
- Weekly timer
- Unidirectional communication

COMPATIBLE WITH:		
SUITE	YES	
ZEN	YES	
ZEN H. CAP.	YES	
AMAZON	YES	
FANCOILS	YES	Low pressure ducts require interface
HRV	NO	

works with Google Assistant · works with amazon alexa · works with Siri Shortcuts · Works with IFTTT · Professional Rest API

ON / OFF port

It allows externally control our IDU with an ON/OFF signal, for example, through a presence sensor, a closed window contact, or a card holder.

Control via WEB or via APP

We can control our units through the web http://accloud.intesis.com/ or through the Intesis AC Cloud APP. With these services, it is possible to control all the normal parameters, creating scenes, programming alarms, among others. Within the same APP we can control more than 3,000 machines.

ACCESSORIES

XYE EXTENSION KIT

FEATURES

- XYE port duplicator
- It allows the connection of two BMS systems or two centralised controllers simultaneously
- It is necessary in order to connect a BMS and centralised controller simultaneously

COMPATIBLE WITH:		
SUITE	NO	
ZEN	NO	
ZEN H. CAP.	YES	Except: High capacity sets / Water condensed sets
AMAZON	YES	Only: s6 ODU compatible units
FANCOILS	NO	
HRV	NO	

DTS343-3

FEATURES

- Digital wattmeter for VRF outdoor units
- It gives the consumption for each outdoor unit
- It allows the consumption to be monitored if installed with KAYNET CONTROL PRO and/or the KCCT-384B IPS (A) centralised controller.
- A wattmeter has to be installed for each outdoor unit, including for modules made up of several outdoor units, where one is installed for each and not for the combination

COMPATIBLE WITH:		
SUITE	NO	
ZEN	NO	
ZEN H. CAP.	YES	Except: High capacity sets / Water condensed sets
AMAZON	YES	
FANCOILS	NO	
HRV	NO	

MCAC-PIDU

FEATURES

- When the 220 VAC supply to the indoor unit fails or cuts off unexpectedly, MCAC-PIDU provides a weak supply of 5 V/12 V to the indoor unit and subsequently turns off the indoor unit
- An MCAC-PIDU module is required for each indoor unit

COMPATIBLE WITH:		
SUITE	NO	
ZEN	NO	
ZEN H. CAP.	YES	Except: High capacity sets
AMAZON	YES	Only: DN 4.0 Indoors
FANCOILS	NO	
HRV	NO	

REFERENCES. KEY INSTALLATIONS

Kaysun and the latest technology go hand in hand as it forges ahead to offer the best in air-conditioning control units. Inspiration, innovation and progress are reflected in this range, bringing the newest look and best features to all of our control devices.

DOLCE FREGATE
HOTEL

Location: Provence (France)
Units installed: KAYNET

KOMKAL
INDUSTRIAL BUILDING

Location: Reus (Tarragona, Spain)
Units installed: MODBUS

CASA ÁRABE
PUBLIC BUILDING

Location: Madrid (Spain)
Units installed: KAYNET

IAQ
Indoor Air Quality

IAQ

Indoor Air Quality

IAQ
Indoor Air Quality

→ AIR PURIFIERS

KPU-350.1

Air purification for indoor environments of up to 45 m^2. Thanks to the HEPA certified H13 filters, up to 99.97% of polluting particles are eliminated and it thus protects users of the environment in which it has been installed.

KPU-700.1

Air purification for indoor environments of up to 45-85 m^2. Thanks to the HEPA certified H13 filters, up to 99.97% of polluting particles are eliminated and, thanks to the Kaysun Proactive Pure technology, it actively purifies the air and protects users of the environment in which it has been installed.

→ ACTIVE PURIFICATION SYSTEMS

PCO KIT

Photocatalytic oxidation lamp Accessories for all ducting installations. See the flow ranges on the specific pages inside.

Max. airflow 1500 2600 4300

➔ OUTDOOR UNITS

KRE

New range of cross airflow heat recovery units with up to 84% efficiency and total compatibility with Kaysun controls. Best price/perfomance unit.

CROSS FLOW RECOVERY · FREECOOLING · DOUBLE STAGE FILTRATION · INDOOR INSTALLATION · MODBUS

Airflow (m³/h): 500 · 1000 · 1500 · 2000

KRE DX

Compact high-efficiency heat recovery units with DX direct expansion coil and Bioxigen.

R-410A REFRIGERANT · CROSS FLOW RECOVERY · FREECOOLING · DOUBLE STAGE FILTRATION · PCO · INDOOR INSTALLATION

Airflow (m³/h): 500 · 1000 · 1500 · 2300 · 3100

ERP PRO & AZURE

Horizontal high-efficiency heat recovery units.

EUROVENT · CROSS FLOW RECOVERY · FREECOOLING · INDOOR INSTALLATION · MODBUS · SOUND LEVEL REDUCTION POSSIBILITY

Airflow (m³/h): 1200 · 2200 · 3200 · 4200

Airflow (m³/h): 500 · 700 · 1400 · 2200 · 3200

EVO R

Vertical high-efficiency heat recovery units with rotary and cross airflow recovery.

EUROVENT · ROTARY RECOVERY · FREECOOLING · DOUBLE STAGE FILTRATION · OUTDOOR INSTALLATION · INDOOR INSTALLATION · MODBUS

Airflow (m³/h): 1400 · 2900 · 5500 · 9500 · 12500 · 15000

EVO M

Modular air conditioning units with 50 or 60 mm panel; multiple accessories and configurations. Eurovent certification with option to install wiring, and with factory adjustments.

EUROVENT · ErP

Airflow (m³/h): 1000 to 100000

INDOOR AIR QUALITY

IAQ. Indoor Air Quality

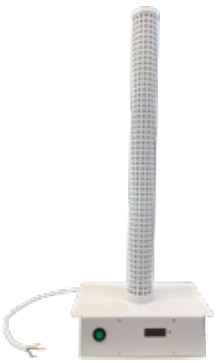
The quality of the air we breathe is a factor that affects our lives in various aspects. The benefits of correct indoor air quality management may include increased concentration, a reduction in the sensation of tiredness, and even prevent the spread of bacteria, viruses and gaseous pollutants. Kaysun, in conjunction with its strategic partner Frigicoll, is once again intent on caring for their customers, by extending the range of products and accessories from the world of air purification and treatment in indoor environments, in order to confront the latest huge challenges that are putting global health and the cohesion of our society at risk.

➔ KPU-350.1 and KPU-700.1 portable purifiers

Kaysun is launching on the market its "Plug & Play" option to protect all manner of environments covering an area of up to 85 m^2. The two units have filtering systems featuring 5-stage H13 HEPA filters. In addition, the Premium KPU-700.1 equipment has a KPU-350.1 active purification system, which may be activated via the interface and can significantly increase purification efficiency.

➔ PCO – Photocatalytic oxidation lamp

Kaysun offers an accessory for air purification in indoors which takes advantage of the extraordinary efficiency of the photochemical reactions of photocatalytic oxidation. It can be used in all ducting installations with flows of up to 4,300 m^3/h.



➔ Heat recovery units

Frigicoll is extending its range of heat recovery units from 500 m^3/h to 15,000 m^3/h, in compliance with the current ErP directive, with efficiencies of up to 90% and an extensive catalogue of accessories. In addition, the HRV range allows integration with Kaysun s6 control systems.

➔ VRF compatible

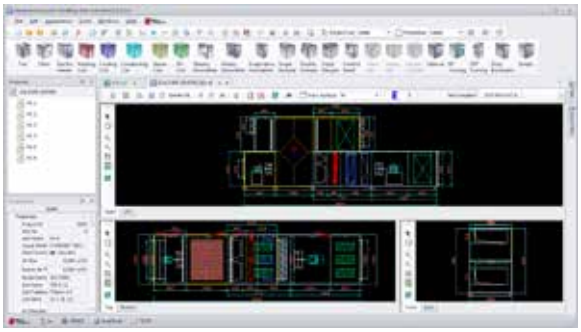
KRE units are fully compatible with VRF AMAZON central control systems; KCCT-64 IPS (A) or KCCT-384B IPS (A).

➔ Air treatment units

Frigicoll, with the aim of providing full solutions, is providing its customers with a full range of AHUs, which are fully configurable based on the needs of each project. Featuring Eurovent certification and compliance with the ErP directive, they are available with 50 mm or 60 mm panels, together with the option to install wiring, and with factory adjustments.

➔ Selection software

The entire range of Eurovent certified air recovery units and air handling units has a software tool for the most appropriate sizing and selection to suit the customer's needs.



KPU-350.1

Kaysun knows how to care for the air we breathe. Introducing the new KPU-350.1 indoor air purifier which, thanks to its extremely contained consumption, guarantees that the air, in addition to being clean, is also sustainable and affordable.

→ Purification M

Ideal for rooms of up to 45 m².

→ Smart Night mode

It activates automatically when it goes dark.

→ HEPA filter

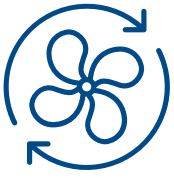
It eliminates up to 99.97% of particles.

→ Child lock

It prevents the little ones from changing the settings.

→ Multifunction

3 fan speeds and 2 running modes.



→ Timer

So that the unit only works when necessary.

→ Air quality indicator

Intuitive air quality display.

→ Change of filter

It tells you when the filter needs changing. The useful lifetime of the filter depends on the quality of air being treated. Kaysun recommends replacement every 6-12 months and the use of original replacement parts.

MODEL			KPU-350.1
Power supply		V/ph/Hz	220-240/1/50
Power	Rated	W	36
Dimensions (width/height/depth)		mm	358/554/200
Suitable area		m²	Up to 45
CADR		m³/h	360
Bacterial elimination		%	> 99.97
Noise		dB	32-53
Fan speeds			3
Auto Mode			V
Timer			V
Air quality in real time			V

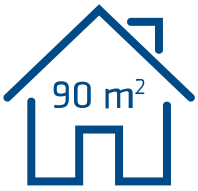
CADR: Volume of air treated for one hour.

KPU-700.1

Kaysun presents its new KPU-700.1 air purifier. It has been designed to guarantee maximum quality of the air we breathe, without neglecting the comfort of users in areas in which it is to be used. In addition, the extremely contained consumption of the equipment guarantees clean, sustainable, affordable air.

➔ Purification XL

Ideal for rooms and halls from 45 to 85 m².



➔ HEPA filter

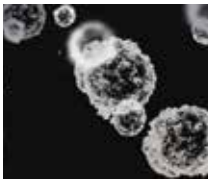
It eliminates up to 99.97% of particles.

➔ Extremely quiet

As silent as 30 dB (the noise level of leaves blowing in a country breeze).

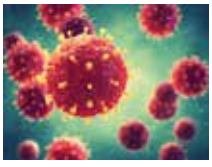
➔ K-Ion Technology

It eliminates odours, dust, smoke and pollen.



➔ Plasma technology

It reduces allergens, viruses and mould spores.



➔ Smart Night mode

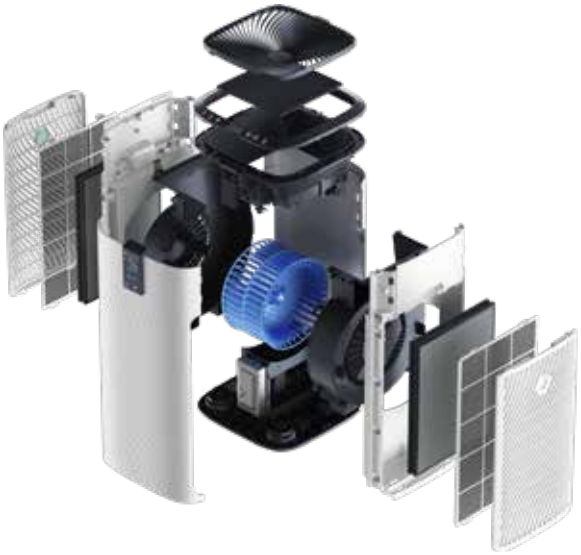
It activates automatically when it goes dark.

➔ Air quality indicator

Intuitive air quality display.

➔ Change of filter

It tells you when the filter needs changing. The useful lifetime of the filter depends on the quality of air being treated. Kaysun recommends replacement every 6-12 months and the use of original replacement parts.

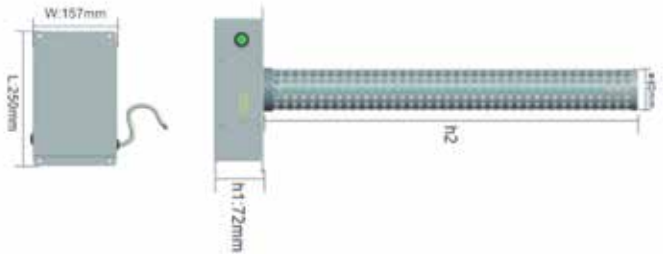


MODEL			KPU-700.1
Power supply		V/ph/Hz	220-240/1/50
Power	Rated	W	45
Dimensions (width/height/depth)		mm	360/710/360
Suitable area		m²	45-85
CADR		m³/h	740
Bacterial elimination		%	> 99.97
Noise		dB	30-57
Fan speeds			3
ION Purification			V (anions BOOST mode)
Plasma purification			V (K-Ion Technology)
Auto Mode			V
Silence Mode			V
Turbo Mode			V
Air quality in real time			V

CADR: Volume of air treated for one hour.

PCO KIT

Kaysun, in addition to providing thermal comfort in all types of indoor environments, takes care of our health providing pure air.

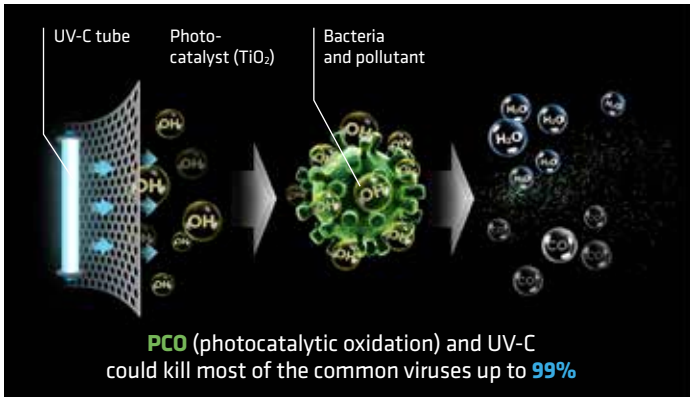


- Simple and fast installation
- German UV technology
- Minimum maintenance
- LCD screen
- Air flow sensor

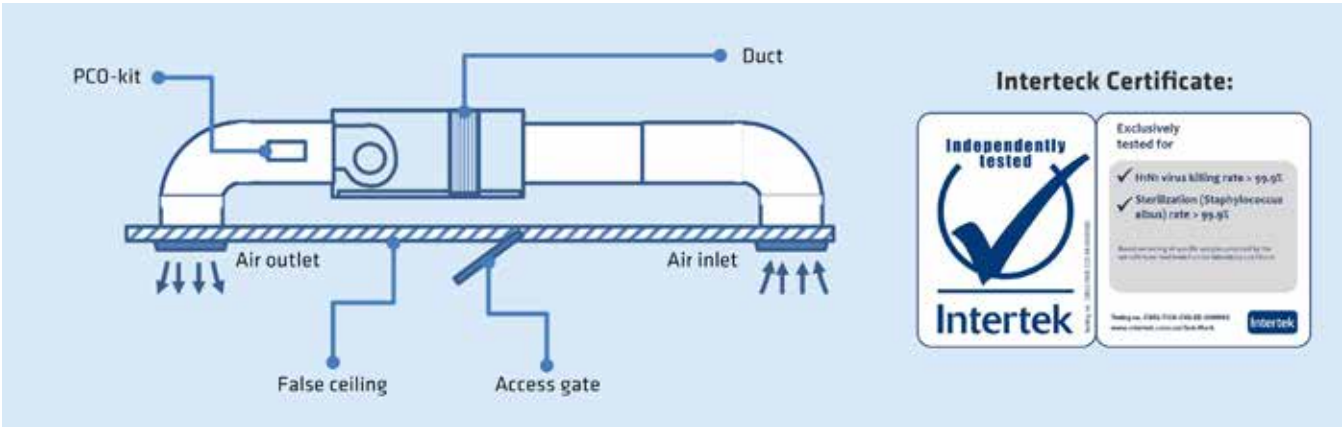
Model		MDL-PSM10W	MDL-PSM18W	MDL-PSM28W
Capacity	W	10	18	28
Power supply	V/Hz		220-240V ~ 50/60Hz	
Dimensions (length/width/H1+H2)	mm	250/157/(72+227)	250/157/(72+371)	250/157/(72+565)
Airflow	m^3/h	≤1500	≤2600	≤4300

PCO Kit - Photocatalytic oxidation

Photocatalytic oxidation (PCO) begins when UV-C radiation activates titanium dioxide layer (TiO_2) and triggers two chemical reactions that lead to almost instantaneous formation of hydroxyl radicals and superoxide anions. These highly reactive chemical agents interact instantaneously with all organic pollutants through oxidation, to accelerate their environmentally beneficial breakdown.



Recommended installation



Check the error codes for **Kaysun** equipment from your phone.

1

Scan the QR code

2

Scan or search the model

3

Check error code list

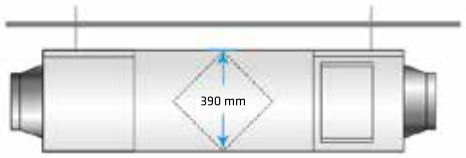
Kaysun by Frigicoll

KRE

New range of cross-flow heat recovery units providing up to 84% efficiency, featuring F7 filter on discharge and M5 filter on air return as standard, and airflows from 500 to 2,000 m³/h. In compliance with ErP 2021 directive, KRE units provide fresh air and significant energy savings in housing, commercial premises, offices, catering facilities, public buildings and schools.

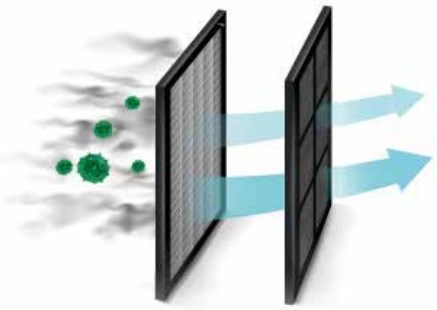
➔ Compact design

Thanks to their reduced height and low sound levels they are designed for horizontal and indoor installation.



➔ High air quality

F7 filtering stages in discharge, and M5 in air return.



➔ Compatible with VRF

The heat recovery unit is fully compatible with a centralised controller system for VRF; KCCT-384B IPS (A) or KCCT-64 IPS (A).

Other important features

- 3-speed DC fans
- Bypass for freecooling
- Remote controller included
- Discharge filter pressure gauge
- Modbus output

KCT-03 SRPS (A)
Included

HEAT RECOVERY MODEL			D500	D1000	D1500	D2000
Heating efficiency	EN308: 5°C outdoors / 25°C indoors	%	77	75	84	79
Indoor unit	No. speeds		3	3	3	3
	Fan type		DC	DC	DC	DC
	Air flow rated	m³/h	375	1000	1500	2000
	Air flow max.	m³/h	500	1000	1500	2000
	Sound pressure rated	dB(A)	36.5	50.2	52.5	54.1
	Rated useful static pressure in supply	Pa	90	90	120	120
	Max. useful static pressure in supply	Pa	65	110	150	160
	Width/height/depth	mm	1106 / 390 / 1311	1526 / 390 / 1311	1375 / 615 / 1740	1575 / 685 / 1811
	Installed weight	kg	76	90	181	208
	Power supply	V/ph/Hz	230/1/50	230/1/50	230/1/50	230/1/50
	Filtration stages (supply/return)		M5+F7 / M5	M5+F7 / M5	M5+F7 / M5	M5+F7 / M5
Working range min./max.		°C	-5°C / 43°C	-5°C / 43°C	-5°C / 43°C	-5°C / 43°C

Preliminary data.
Heating efficiency EN308: According to regulation UE1253/2014, at nominal performance, with temperature and humidity conditions according to EN308.
Air flow rated. Rated useful static pressure in supply. Filtration stages: Including filters.
Sound pressure rated: Sound pressure level at 1 m from the driven unit and nominal flow.
Working range min./max.: Std unit.

ACCESSORIES	D500	D1000	D1500	D2000
XYE	Standard	Standard	Standard	Standard
CO2 sensor	Standard	Standard	Standard	Standard
Filters M5 (ISO 16890 ePM10 50%)				
Filters F7 (ISO 16890 ePM1 65%)				
Filters F9 (ISO 16890 ePM1 90%)				

KRE DX

New range of high-efficiency cross airflow heat recovery units that incorporate a direct expansion coil to overcome part of the fan charge. With twin G3 + F9 filter on discharge, for flows from 500 to 3,100 m³/h.
In compliance with the ErP 2021 directive, they allow the renewal and filtering of air with high energy savings.
Ideal for commercial, office, catering, public building and school applications.

➔ DX direct expansion coil

They include the electronics and expansion valve to connect to the Kaysun VRF system easily, while ensuring reliable running.

➔ PCO

The 500 and 1,000 m³/h units include Bioxigen as standard; optional for superior models.

➔ Compatible with VRF

The heat recovery unit is fully compatible with a centralised controller system for VRF; KCCT-384B IPS (A) or KCCT-64 IPS (A).

Other important features

- DC fans
- Bypass for freecooling
- Remote controller included
- Discharge filter pressure gauge
- Modbus output
- Multiple accessories

KCT-03 SRPS (A)
Included

R-410A REFRIGERANT | CROSS FLOW RECOVERY | FREECOOLING | DOUBLE STAGE FILTRATION | PCO | INDOOR INSTALLATION

HEAT RECOVERY MODEL			D500	D1000	D1500	D2300	D3100
Total power (cooling/heating)		kW	3 / 2.5	5.8 / 5.2	9.9 / 8.6	14.2 / 12.2	19.3 / 17.1
Temperature approx. in supply (cooling/heating)		°C	15.90°C / 28°C	16.20°C / 28.50°C	15.10°C / 30°C	15.70°C / 29°C	15.60°C / 29°C
Heating efficiency	EN308: 5°C outdoors / 25°C indoors	%	76	76	73	73	73
Indoor unit	Expansion valve		Electronic	Electronic	Electronic	Electronic	Electronic
	No. speeds		3	3	3	3	3
	Fan type		EC	EC	EC	EC	EC
	Air flow rated	m³/h	500	1000	1500	2300	3100
	Sound pressure rated	dB(A)	39	43	53	59	58
	Rated useful static pressure in supply	Pa	90	115	190	210	190
	Width/height/depth	mm	1450 / 270 / 904	1750 / 388 / 1216	2536 / 670 / 1290	2536 / 670 / 1290	2635 / 670 / 1400
	Installed weight	kg	90	105	230	250	270
	Power supply	V/ph/Hz	230/1/50	230/1/50	230/1/50	230/1/50	230/1/50
	Filtration stages (supply/return)		G3+F9 / G3	G3+F9 / G3	F7 / M5	F7 / M5	F7 / M5
Refrigerant	Gas DX battery		R-410A	R-410A	R-410A	R-410A	R-410A
Working range min./max.		°C	-5°C / 40°C	-5°C / 40°C	-5°C / 45°C	-5°C / 45°C	-5°C / 45°C

Total cooling power. Temperature approx. in supply (cooling): Air inlet in DX coil: 13°C BS 40% RH, condensing at 40°C.
Total heating power. Temperature approx. in supply (heating): Air inlet in DX coil: 28.5°C BS, 50%, evaporating at 7°C.
Heating efficiency EN308: According to regulation UE1253/2014, at nominal performance, with temperature and humidity conditions according to EN308.
Air flow rated. Rated useful static pressure in supply. Filtration stages: Including filters.
Sound pressure rated: Sound pressure level at 1 m from the driven unit and nominal flow.
Working range min./max.: Std unit.

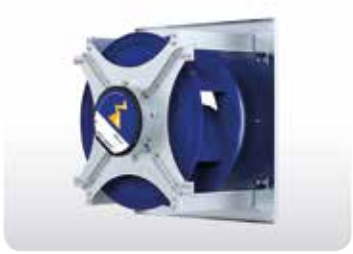
ACCESSORIES	D500	D1000	D1500	D2300	D3100
Electrical resistance prior to recovery unit					
Purification system Bioxigen					

ERP PRO

The ERP PRO heat recovery units achieve efficient air renewal in spaces, while providing fresh, clean, renewed air. The ERP PRO heat recovery units use a cross airflow exchanger and achieve great savings in energy, in compliance with the ECODESIGN 2018 standard. These units also feature reduced consumption thanks to their EC fans, both in extraction and discharge.

➔ Filters

In order to obtain cleaner air, the heat recovery units have an M6 filter as standard for extraction and F7 for air discharge. There is also the option to use F8 and F9 filters, or an additional filter on the air discharge.



➔ EC fans

The EC fans used in the ERP PRO heat recovery unit for air discharge and extraction, stand out due to their high energy efficiency and the possibility to control the two fans independently.

➔ SENSO control

The AERA controller provides a wide range of alternatives for the regulation and control of the heat recovery unit. As an optional extra it is available as a module for installation on discharge with water or DX direct expansion coil.

Other important features

- Ventilation on demand (VOD); through the installation of a CO_2 sensor it is possible to control the ventilation of the space based on the quality of the indoor unit.
- True information regarding the state of the filters and possible faults in the heat recovery unit.
- The unit has a bypass (freecooling) governed by the SENSO controller.

The heat recovery unit allows the Modbus protocol.

SENSO CONTROLLER
Included

CROSS FLOW RECOVERY | FREECOOLING | DOUBLE STAGE FILTRATION | INDOOR INSTALLATION | MODBUS

HEAT RECOVERY MODEL			1200	2200	3200	4200
Heating efficiency	EN308: 5°C outdoors / 25°C indoors	%	73	73	73	73
Indoor unit	Fan type		EC	EC	EC	EC
	Air flow max.	m³/h	1170	2000	3200	4200
	Sound pressure rated	dB(A)	49	49	53	48
	Max. useful static pressure in supply	Pa	350	250	250	250
	Width/height/depth	mm	1752 / 500 / 1102	1990 / 580 / 1232	2500 / 685 / 1600	2500 / 815 / 1600
	Installed weight	kg	148	195	406	420
	Power supply	V/ph/Hz	230/1/50	230/1/50	230/1/50	400/3/50
	Panel	mm	10	10	25	25
	Filtration stages (supply/return)		F7 / M6	F7 / M6	F7 / M6	F7 / M6
Working range min./max.		°C	-5°C / 46°C	-5°C / 46°C	-5°C / 46°C	-5°C / 46°C

Heating efficiency EN308: According to regulation UE1253/2014, at nominal performance, with temperature and humidity conditions according to EN308.
Air flow rated. Max. useful static pressure in supply. Filtration stages: Including filters.
Sound pressure rated: Sound pressure level at 1,5 m from the driven unit and nominal flow.
Installed weight. Working range min./max.: Std unit and with RH < 80% (with PREH down to -12°C).
Filtration stages: Possibility of mounting double stage of impulsion filtration (consult with Technical Department).

ACCESSORIES	1200	2200	3200	4200
Filters M6 (ISO 16890 ePM2.5 50%)				
Filters F7 (ISO 16890 ePM1 65%)				
Filters F8 (ISO 16890 ePM1 80%)				
Electrical resistance prior to recovery unit				
Water coil* (separate module)				
Expansion coil (separate module)				
Controller SENSO+ (manage H2O or DX coil)				
CO2 sensor				

* Valve included

AZURE

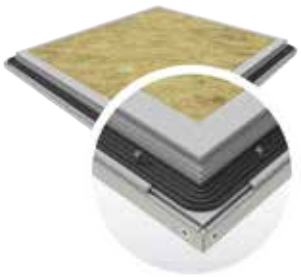
The AZURE range is Frigicoll's most efficient unit and achieves an efficiency of 93%. These units are equipped with low-consumption EC fans. Thanks to the SENSO PLUS controller, it is possible to define 3 working speeds for the two fans in order to achieve exceptional control over the unit and to be able to adapt the heat recovery unit to the system in the best possible way.

➔ Compact design

Ideal for installations in false ceiling with little available height < 4 mm for flows < 1,400 m³/h.

➔ Water or DX direct expansion coil

As an optional extra it is available as a module for installation on discharge with water or DX direct expansion coil.



➔ 50 mm panel

High degree of acoustic and thermal insulation thanks to the sandwich panel with rock wool insulation.

➔ SENSO PLUS controller

The SENSO PLUS controller provides a wide range of alternatives for the regulation and control of the heat recovery unit. Some of the most significant features are the weekly programmer, information on filter status, control of element preheating or the creation of high or low pressure within the space.

Other important features

- Ventilation on demand (VOD); through the installation of a CO_2 sensor it is possible to control the ventilation of the space based on the quality of the indoor air.
- The unit incorporates an F7 filter for air discharge and M6 filter for extraction as standard, with the option to use F8 and F9 filters, or an additional filter on the air discharge.
- The SENSO PLUS controller reports all possible faults in the heat recovery unit.
- Full control over the unit via AeroCloud web page.

SENSO PLUS CONTROLLER
Included

EUROVENT | CROSS FLOW RECOVERY | FREECOOLING | INDOOR INSTALLATION | MODBUS | SOUND LEVEL REDUCTION POSSIBILITY

HEAT RECOVERY MODEL			500	700	1400	2200	3200
Heating efficiency	EN308: 5°C outdoors / 25°C indoors	%	82	82	81	82	83
Indoor unit	Fan type		EC	EC	EC	EC	EC
	Air flow max.	m³/h	500	700	1400	2200	3200
	Sound pressure rated	dB(A)	43	41	46	47	52
	Max. useful static pressure in supply	Pa	300	300	300	300	300
	Width/height/depth	mm	1500 / 359 / 820	1550 / 361 / 995	1675 / 402 / 1295	1900 / 485 / 1665	2050 / 569 / 1915
	Installed weight	kg	130	155	200	285	370
	Power supply	V/ph/Hz	230/1/50	400/3/50	400/3/50	400/3/50	400/3/50
	Panel	mm	50	50	50	50	50
	Filtration stages (supply/return)		F7 / M6	F7 / M6	F7 / M6	F7 / M6	F7 / M6
Working range min./max.		°C	-5°C / 50°C	-5°C / 50°C	-5°C / 50°C	-5°C / 50°C	-5°C / 50°C

Heating efficiency EN308: According to regulation UE1253/2014, at nominal performance, with temperature and humidity conditions according to EN308.
Air flow rated. Max. useful static pressure in supply. Filtration stages: Including filters.
Sound pressure rated: Sound pressure level at 1 m from the driven unit and nominal flow.
Installed weight. Working range min./max.: Std unit and with RH < 80% (with PREH down to -20°C).

ACCESSORIES	500	700	1400	2200	3200
Filters M6 (ISO 16890 ePM2.5 50%)					
Filters F7 (ISO 16890 ePM1 65%)					
Filters F8 (ISO 16890 ePM1 80%)					
Filters F9 (ISO 16890 ePM1 90%)					
Electrical resistance prior to recovery unit					
Hot water coil*					
Water coil* (separate module)					
Expansion coil (separate module)					
Controller EVO Touch					
CO2 sensor					
Variable flow operation VAV					

* Valve included

EVO-R

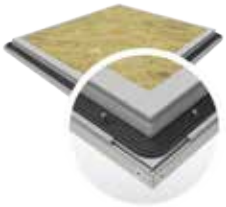
The high-efficiency EVO-R enthalpy heat recovery units can achieve high airflows of up to 17,600 m³/h. Low sound level, thanks to the double insulating panel on the unit and high enery efficiency. All the units have been designed to meet the new ECODESIGN 2018 regulations.

➔ Rotary

High-efficiency rotary heat recovery with enthalpy option through EVO R S absorption rotor.

➔ Water or DX direct expansion coil

As an optional, water or DX direct expansion coil, is available as a module to install on discharge.



➔ Sheath design

The unit's panels feature high thermal resistance and stand out for their low sound level. Units made from two metal plates joined by a specially-designed PVC frame.

➔ SENSO PLUS controller

The SENSO PLUS controller provides a wide range of alternatives for the regulation and control of the heat recovery unit. Some of the most significant features are the weekly programmer, information on filter status, control of element preheating or the creation of high or low pressure within the space.

Other important features

- Ventilation on demand (VOD); through the installation of a CO_2 sensor it is possible to control the ventilation of the space based on the quality of the indoor air.
- The unit incorporates an F7 filter for air discharge and M6 filter for extraction as standard, with the option to use F8 and F9 filters, or an additional filter on the air discharge.
- The SENSO PLUS controller reports all possible faults in the heat recovery unit.
- The heat recovery unit permits the Modbus, EXOline and BACnet protocols.
- Full control over the unit via AeroCloud web page.
- Module for air recirculation.
- Preheating kit for extreme climates < -5°C.
- Ready for outdoor installation.

SENSO PLUS CONTROLLER
Included

HEAT RECOVERY MODEL			EVO-R 15	EVO-R 30	EVO-R 60	EVO-R 95	EVO-R 120	EVO-R 150
Heating efficiency	EN308: 5°C outdoors / 25°C indoors	%	81	79	81	81	79	82
Indoor unit	Fan type		EC	EC	EC	EC	EC	EC
	Air flow rated	m³/h	1400	2900	5500	9500	12500	15000
	Sound pressure rated	dB(A)	48	56	53	56	57	59
	Max. useful static pressure in supply	Pa	250	300	350	350	350	350
	Width/height/depth	mm	1700 / 1295 / 760	1700 / 1500 / 970	2015 / 1895 / 590	2315 / 2245 / 1710	2450 / 2400 / 1860	2535 / 2645 / 2110
	Installed weight	kg	205	340	590	840	1095	1390
	Power supply	V/ph/Hz	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50	400/3/50
	Panel	mm	50	50	50	50	50	50
	Filtration stages (supply/return)		F7 / M5	F7 / M5	F7 / M5	F7 / M5	F7 / M5	F7 / M5
Working range min./max.		°C	-5°C / 50°C	-5°C / 50°C	-5°C / 50°C	-5°C / 50°C	-5°C / 50°C	-5°C / 50°C

Heating efficiency EN308: According to regulation UE1253/2014, at nominal performance, with temperature and humidity conditions according to EN308.
Air flow rated. Max. useful static pressure in supply. Filtration stages: Including filters.
Sound pressure rated: Sound pressure level at 1,5 m from the driven unit and nominal flow.
Installed weight. Working range min./max.: Std unit and with RH < 80% (with PREH down to -12°C).
Filtration stages: Possibility of mounting double stage of impulsion filtration (consult with Technical Department).

ACCESSORIES	EVO-R 15	EVO-R 30	EVO-R 60	EVO-R 95	EVO-R 120	EVO-R 150
Rotary absorption recovery unit EVO-R/SO						
Compact filters M5 (ISO 16890 ePM10 50%)						
Filters M5 (ISO 16890 ePM10 50%)						
Filters F7 (ISO 16890 ePM1 65%)						
Filters F9 (ISO 16890 ePM1 90%)						
Recirculation damper						
Electrical resistance prior to recovery unit						
Hot water coil*						
Water coil* (separate module)						
Expansion coil (separate module)						
Controller EVO Touch						
CO2 sensor						
Variable flow operation VAV						
Outdoor installation						

* Valve included

EVO M

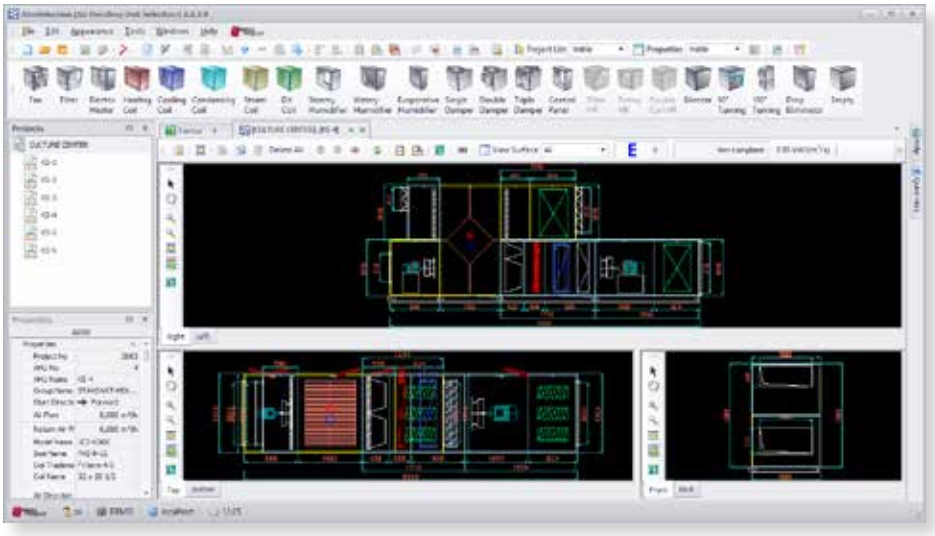
→ General Characteristics

- EVO Modular air handling units are designed to have features that are different from those for similar heating, cooling and ventilation requirements in indoor areas. The casing structure is manufactured with special PVC frame design and without thermal bridging. EVO Modular Air Handling Units are manufactured with AL profile framework, rock wool insulated double wall panels, specially designed gasket for high sealing, VDI 6022 suitable internal structure and drain pan, special filter frame, adjustable hinges and locks. The inner surfaces of the panels are made of Aluzinc coated with Aluminium/ Zinc coating with high corrosion resistance and the outer surface is made of painted sheet with polyester. The units achieve high energy efficiency using the latest technology components. Reports can be obtained by using web based and extremely easy to use selection program and selections can be made with Eurovent criterias.

- The components such as fan, exchanger, filter, battery, humidifier are selected in the most accurate and optimum conditions and the unit is designed accordingly. It can be controlled with an advanced user interface automation system which can be optionally controlled over the Internet.

➔ Selection Software

The air handling units selection software allows to size the units and to have immediately the complete technical offer with executive drawings, technical data sheets and a list of main components and materials used.



➔ Accessories

The air treatment units of the EVO M series are available with a vast range of accessories that can be selected directly with the selection software. A few of the most common accessories are listed below:

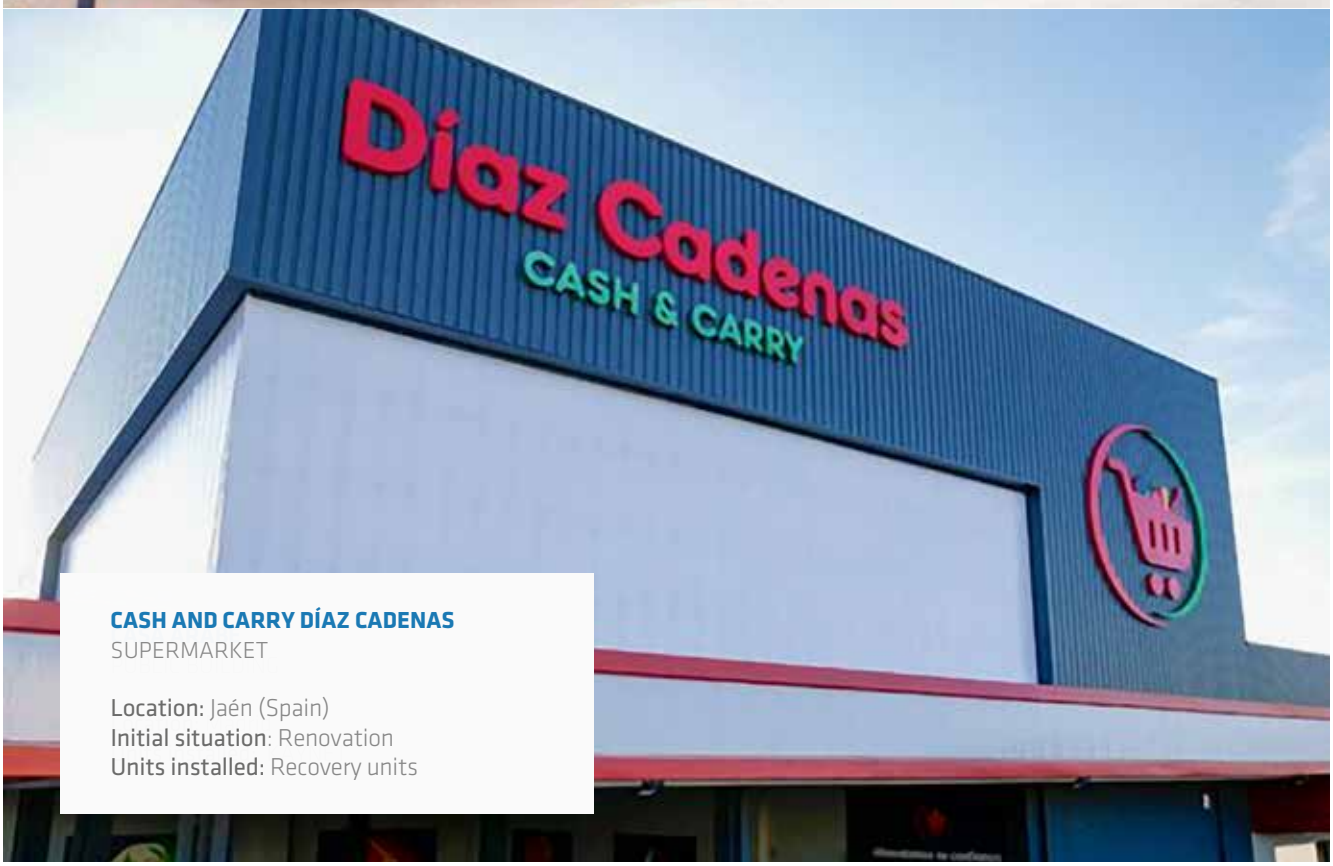
- Weatherproof roof and control protection technical compartment
- Weatherproof covers on the external air inlets and outlets
- Safety device for moving components
- Spotlights and viewing panel for inspection
- Inverters on the fan motors
- Other accessories not found in the basic selection can be assessed on request

REFERENCES. KEY INSTALLATIONS

Indoor Air Quality (IAQ) has become an increasingly important issue for building owners, managers and occupants. To increase IAQ, Kaysun introduces a complete range of solutions suitable to all needs. Small portable purifiers, active solutions suitable for advanced installations, such as PCO and Puro air kits, and a renovated heat recovery systems line-up.

LABORATORIOS ROVI
LABORATORY

Location: Granada (Spain)
Initial situation: Renovation
Units installed: Recovery units



CASH AND CARRY DÍAZ CADENAS
SUPERMARKET

Location: Jaén (Spain)
Initial situation: Renovation
Units installed: Recovery units

CONDITIONS OF SALE

1.- ORDERS

An order is considered to be the receipt of a written document (via mail, Fax or regular mail which includes the description of the materials requested, order reference, delivery time requested, expected place of delivery and any data that may be required for the successful confirmation in the process of accepting the invoice.

For telephone orders, delivery of the materials shall be subject to receipt of the written confirmation of the order with the data described above.

For orders of materials or specially manufactured equipment not generally available in stock, a deposit of 30% of the total amount of the final price of the equipment will be required as a prerequisite to its manufacture.

2.- ORDER CANCELLATION

Only those cancellations will be accepted that have been notified in writing prior to deliver the goods.

Under no circumstances may orders be cancelled for materials or equipment that are specially manufactured and not generally in stock. Additional the buyer waives the right to a refund of the 30% of the total amount of the final price of the equipment invoiced prior to its manufacture.

3.- PRICES

Prices do not include value-added taxes (VAT), RAE for machines of less than 12kW or any other tax in force and will always will be for the buyer's account.

4.- DELIVERY TIME

The buyer shall indicate the delivery time for the materials that he requests. When any of the materials are not available from stock, a forecast delivery date will be provided for guidance and in no case will a failure to meet this be the cause of a claim on the part of the buyer.

5.- DELIVERY CONDITIONS

Standard incoterms would be Ex-Works Vilarodona. Other conditions to be agreed individually.

Deliveries of the goods by ourselves cannot be at a specific time of day, such deliveries being for the account of the buyer by any means he deems appropriate.

Complaints about the material or equipment delivered with defects arising from the transport shall be made within 24 Hours of receipt. Claims made after this will be exempt.

6.- RETURNS

The buyer may request return of those materials and equipment for reasons beyond his will provided that the packaging and operation are in a perfect condition for approval by Frigicoll SA and subsequent return of the same after written and signed acceptance and return number provided.

A written and numbered authorization from Frigicoll is essential for receipt of the goods in our facilities and the costs of carriage for the aforementioned return will always be for the account of the buyer. A demerit of 15% of the value of the sale will be applied.

If after inspection of the material does not meet these requirements there will be a devaluation from your payment, which may be up to the total original invoice value of your order.

7.- GUARANTEES

The equipment supplied will have a minimum of 3 years garantee against manufacturing defects provided that its installation and use is appropriate, and in no case can faults be attributable to the guarantee that arise from improper installation, abnormal use, inappropriate electrical voltage, faulty maintenance, use of materials not approved by Frigicoll SA, and manipulation by people not approved for this purpose.

The guarantee will cover the replacement of parts and components in poor condition by new parts, but in no case the labour required for that purpose.

8.- JURISDICTION

The general conditions of sale shall be construed as being accepted by the buyer at time of ordering.

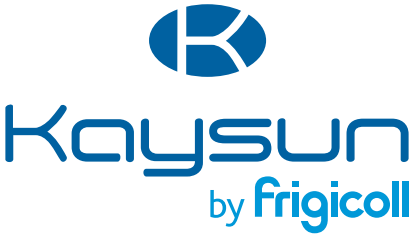
In the case of any disagreement that may arise between the parties, these expressly commit themselves to the courts of Barcelona with express waiver of any other jurisdiction that might apply.

9.- SPECIFICATIONS AND IMAGES

The manufacturer reserves the right to change the specifications and images of the product without prior notice.

10.- DATA

All the data quoted in this catalogue are subject to change without prior notice, including the possible typographical errors.



Inspiration, Innovation, Evolution

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www.kaysun.es

Kaysun participates in the EUROVENT certification program. The products correspond to those listed into the EUROVENT certified products directory.