

# RESIDENTIAL AND COMMERCIAL

**MONO & MULTI IN R32 CATALOGUE**



[www.mitsubishi-termal.it](http://www.mitsubishi-termal.it)







# GREEN TECHNOLOGY AND INNOVATIVE DESIGN FOR A BETTER WORLD

MONOSPLIT	9
MULTISPLIT	42
COMMERCIAL	51
CONTROLS	91
ICON KEY	102

Mitsubishi Heavy Industries' passion has led to the development of products with a green spirit. Today's most advanced technology for a better future tomorrow.

# R32, BETTER PERFORMANCE, LESS ENVIRONMENTAL IMPACT

## THE ADVANTAGES OF R32

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

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

The most relevant feature of the R32 gas is its GWP value, which is only 675, allowing the installation of systems containing up to 7 kg of gas, without exceeding the threshold that requires to check the leakage and to keep the equipment register. This limit would already be exceeded by 2.4 kg with a R410A gas.

### THE NEW R32 REFRIGERANT

- Is environmentally friendly.
- Is non-toxic.
- Is slightly flammable.
- Is not harmful and does not present risks to the ozone.
- Is very efficient.

## WARNINGS ON R32 GAS USE

### REFRIGERANT GAS R32

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

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

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

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

### THE REGULATION

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

therefore follow different normative parameters depending on the type of application.

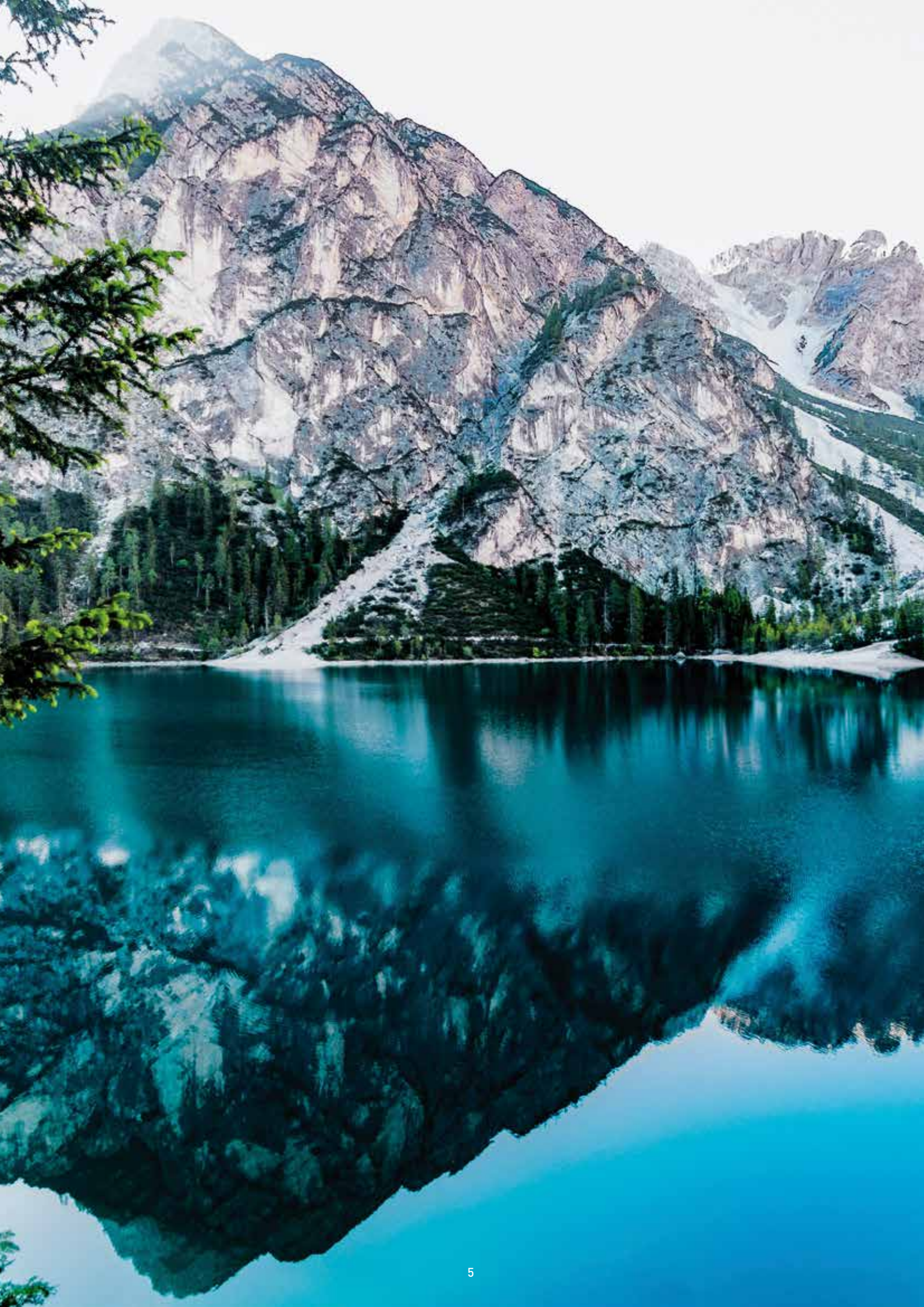
Installation in public buildings is regulated by specific standards concerning the application of appliances with flammable gases, such as: Min. Decree for Hotels 09/04/1994, Min. Decree for shopping centres 27/07/2010, Min. Decree for buildings for public entertainment 19/08/1996, Min. Decree for hospitals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

### DESIGN, INSTALLATION AND MAINTENANCE

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

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

Scrupulous checking of existing regulations is however recommended when using equipment containing R32 gas. Failure to comply with these regulations requires the designers and installers of equipment with R32 to have a direct legal responsibility for their application.



# NEWS

RESIDENTIAL MONOSPLIT / MULTISPLIT  
NEW KIREIA EVO AND LARGE COMFORT MODELS

## Built-in WiFi connectivity

Control your air conditioner from anywhere with the WiFi connectivity, now equipped as standard .

KIREIA EVO SRK 15-20-25-35-50-63-71 ZTL-W models  
Large Comfort SRK 63-71-80 ZR-WF models



KIREIA EVO



Large Comfort

RESIDENTIAL MULTISPLIT

## New Multisplit I.U. Wall

New size of 1.50 kW (only in combination with SCM 30 ZS-W and SCM 41 ZS-W U.E. units)

KIREIA SRK ZS-WF/T  
SKM ZSP-W



RESIDENTIAL MULTISPLIT

## New Multisplit O.U.

Introduction in the range 2 sizes of 1 single-phase capacity SCM 30 ZS-W and SCM 41 ZS-W

Up to 2/3 connectable indoor units

SEER 8.60 / SCOP 4.80 (3 kW)  
SEER 9.20 / SCOP 4.60 (4 kW)



COMMERCIAL

## New I.U. Column

Hyper - Super - Smart

FDF 71-100-125-140 VH  
Touch control included





# HEALTH

## Allergen Clear filter, effective against Covid-19

The Allergen Clear filter, developed by MHI, can capture a wide range of bacteria, allergens and also viruses that can cause serious health complications, including the Coronavirus infection.

The MHI air-purification technology contains a urease-enzyme compound that suppresses pollens, moulds, bacteria, and allergens.

**The tests\* conducted by the Japan Textile Products Quality and Technology Center have confirmed that this technology is effective also for deactivating SARS-CoV-2, the virus that causes COVID-19.**

\*Test conducted according to standard ISO 18184; number 21KB-080059-2.



### THE PURIFICATION DEVICE IS INCLUDED

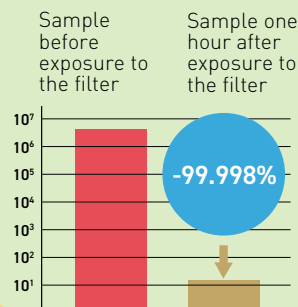
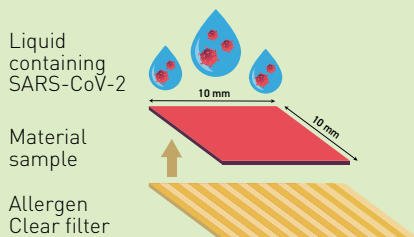


1. Colorimetric test method by ELISA Laboratory: National independent hospital agency of Sagami Hospital, no. 1536.
2. ELISA colorimetric test method/ELISA fluorescent method - Laboratory: National independent hospital agency of Sagami Hospital, no. 1536.
3. TCID test method (value of infection 50%) Laboratory: Foundation of the Center of Environmental Sciences of Kitazato, no. 15-0145.

### TEST

One hour of exposure to the Allergen Clear filter reduces the presence of SARS-CoV-2 on and infected sample by **99,998%**.

The MHI urease-enzyme technology deactivates the virus.



The continuous operation of the internal fan and the consequent filtration of the air, reduces the presence of viruses in the environment and helps to limit the risk of infections and allergies.

**MONOSPLIT/MULTISPLIT RANGE**



# RESIDENTIAL & LIGHT COMMERCIAL

MONOSPLIT/MULTISPLIT R32 CHARACTERISTICS	10
LINE-UP R32	23
MONOSPLIT R32	24
LIGHT COMMERCIAL R32	30
ONLY IN - WITHOUT OUTDOOR UNIT	38
LINE-UP MULTISPLIT R32	40
MULTISPLIT R32	42
MULTISPLIT R32 COMBINATIONS	105

Choosing the air conditioner best suited to your lifestyle is the first step in getting the greatest performance and comfort.

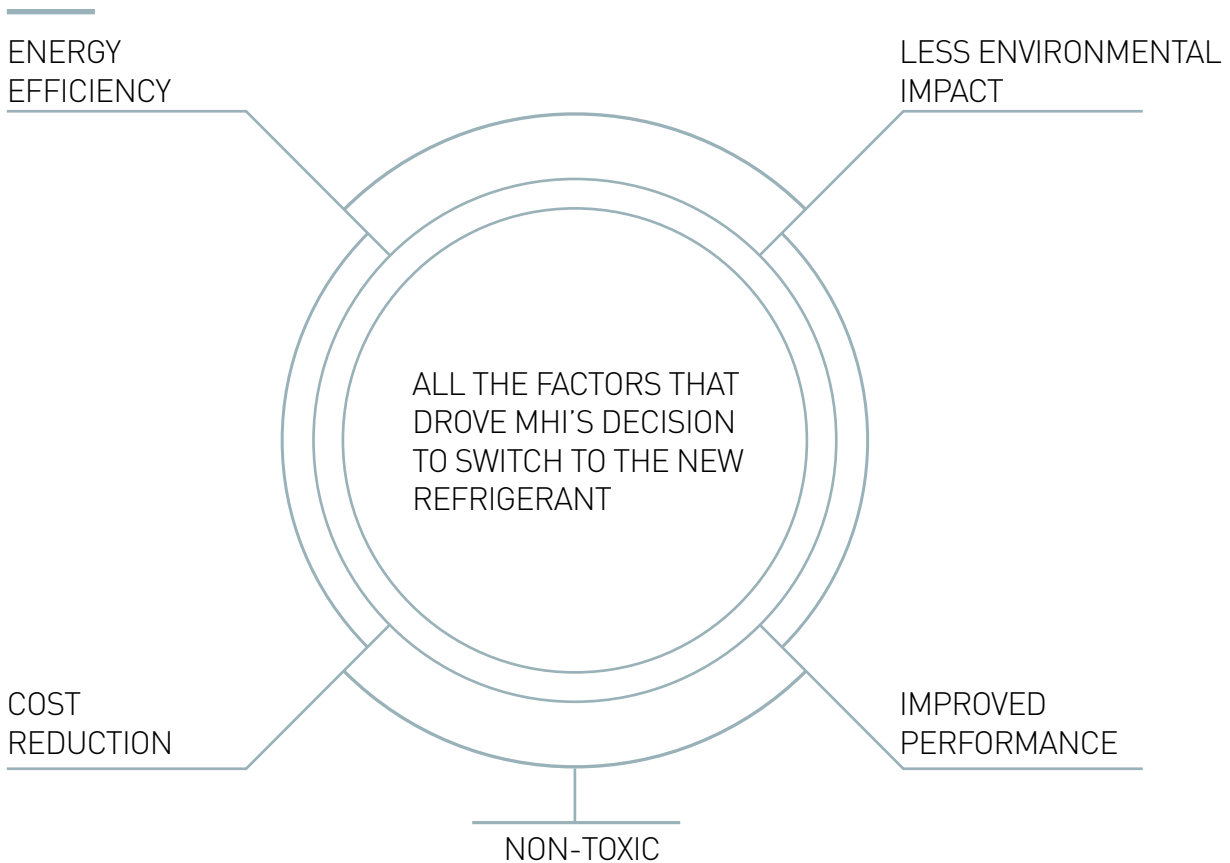
Air treatment, the very low sound level achieved, and guaranteed energy savings are factors that make the MHI residential range the best choice for every home.



# R32 LOW GWP GAS

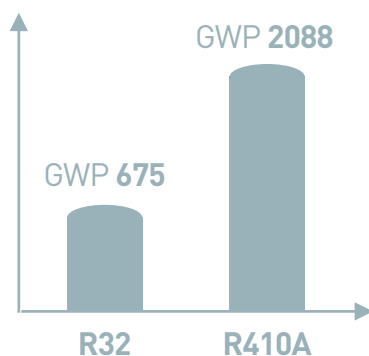
Mitsubishi Heavy Industries has always looked to the future and anticipated the times by offering innovative products in terms of environmental impact and efficiency.

Starting today, the whole range uses the ecological refrigerant R32. This gas has a low environmental impact and improves energy efficiency.



## LOW GLOBAL WARMING POTENTIAL

The global warming potential is reduced to one third.



## SUSTAINABILITY AND SOCIAL RESPONSIBILITY

In 2022 too, Mitsubishi Heavy Industries (MHI) has received the Silver rating (in the categories of environment, labour and human rights, ethics and sustainability) from EcoVadis, the independent platform that regularly assesses Corporate Social Responsibility and sustainable procurement.





# EFFICIENCY IN CLASS A+++

Several design and engineering changes have been made in order to improve energy efficiency and protect the environment. The entire Mitsubishi Heavy Industries residential and light commercial range stands out for its high energy performance.

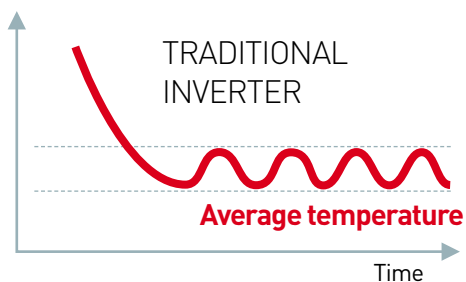
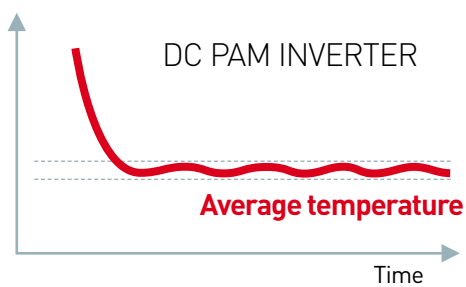
Important energy savings in both cooling and heating have been achieved thanks to the DC PAM Inverter technology and the DC Twin Rotary compressor.



## DC PAM INVERTER

The Inverter driven system has a number of performance advantages over a traditional system. For example, the compressor outputs can provide rapid warm-up during start-up and reach the set temperature more quickly.

The air conditioner then slows down the compressor speed to save energy while maintaining comfortable conditions.

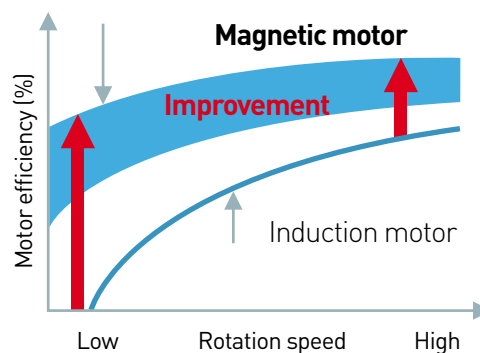


Compared to the traditional Inverter, the DC PAM optimises temperature control, making it more stable over time.

## DC TWIN ROTARY COMPRESSOR

The newly developed compressor has a high level of performance at both low and high speeds.

In addition to low vibration, low noise emissions and high efficiency have been achieved by optimising the size of the mechanical parts and utilising a neodymium motor.



# ADVANCED TECHNOLOGY FOR OUTDOOR UNITS

The MHI outdoor units are nicely designed and robust and can be easily installed on a roof or balcony or simply against an outside wall. The design and materials of the casing are the result of the careful work of MHI engineers. Japanese technology for maximum efficiency.

## HELICAL FAN

Optimisation of the helical fan combined with the fan motor: the same power of the previous model is maintained, with lower electricity consumption.

The synergy with the leaf-shaped grille increases the efficiency by 5%, diminishing the sound level.

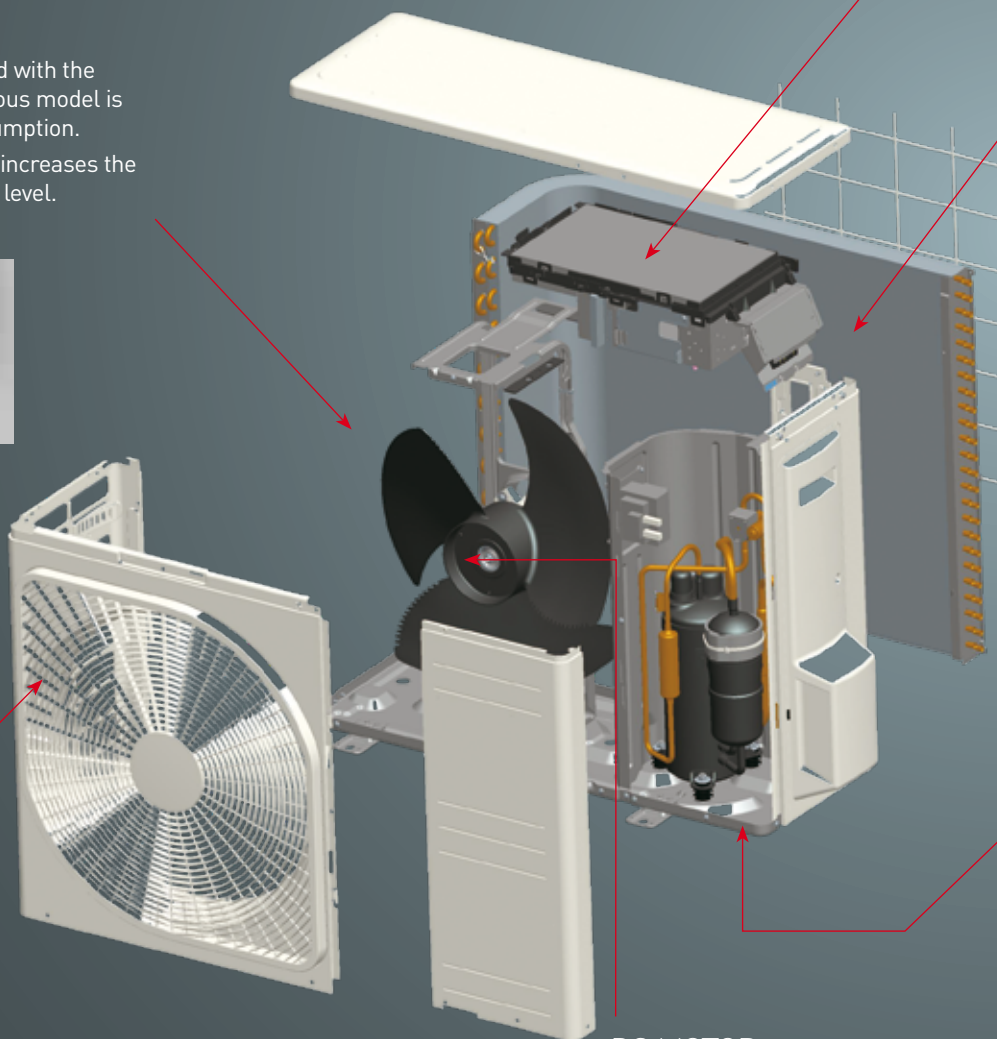


Ventola dentellata

## LEAF-SHAPED GRILLE

This radial-shaped grille has been developed to allow efficient air flow to exit.

The load reduction of the motor and the helical fan creates greater energy efficiency, also contributing to a quieter sound level.



## DC MOTOR

The fan motor produces high efficiency and high power.

## PCB LINING

The printed circuit on the outdoor unit is provided with a lining. It has a long service life as it is moisture-resistant.

## HEAT EXCHANGER

Efficiency has been increased by 10% thanks to a modification made to the louvre configuration, from a flat shape to an "M" shape. This multi-dimensional structure provides an excellent balance of heat transfer and air flow.



## HOT DIP STEEL SHEET WITH HIGH ANTI-CORROSION RESISTANCE

A hot dip steel sheet with high corrosion resistance is used at the base of the outdoor unit.

This sheet boasts higher anti-corrosion and scratch resistance than conventional materials.



## THREE SENSORS

Room temperature control is very important for comfortable living. The use of three sensors - for indoor temperature, indoor humidity and outdoor temperature - help maintain optimal air conditioning.



Indoor temperature and humidity sensor

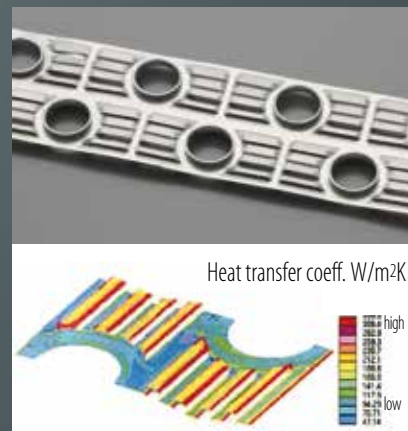


Outdoor temperature sensor

## INDOOR HEAT EXCHANGER

Our excellent combination of louvre configuration with copper pipes helps maximise air flow without increasing the width of the indoor unit.

The efficiency rate of the heat exchanger has been significantly improved by 33% with respect to previous models. The louvre is able to maximise air flow volume, saving energy at the same time.



This page mainly describes the ZSX series.

# MAXIMUM SAVINGS WITH THE HUMAN SENSOR

An all new operating sensor that guarantees automatic energy savings control. Detects not only the presence/absence of people in the room, but also the type of activities being carried out. The units shown below then adjust their cooling and heating capacity based on the actual needs in the room they are installed, in relation to the perception of those present.

Models on  
which the  
sensor can be  
installed



ZSX  
(standard)



FDT



FDTC



FDUM



FDE





## ECO OPERATION BY HUMAN SENSOR

### IN COOLING MODE

The unit activates energy savings when low activity is detected and automatically raises the temperature of outgoing air.



### IN HEATING MODE

The unit activates energy savings when intense physical activity is detected and automatically lowers the temperature of outgoing air.



When the sensor detects that nobody is present in the room, the unit automatically reduces the power delivered to a moderate level after about 15 minutes. The unit returns to normal operation once people enter the room.

## AUTO OFF BY HUMAN SENSOR

If there are still no people in the room after 1 hour (can be set from 1 to 2 hours via remote control), the unit stops operation and goes into "stand-by" mode.

It re-activates when any human presence is detected within 12 hours or switches off entirely after 12 hours if nobody else enters the room.

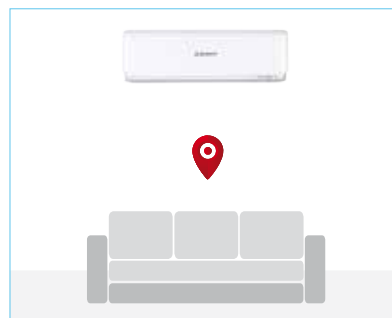
**You can activate and deactivate the AUTO OFF function from the remote control.**

### ABSENCE



**Power control:** when the system detects that nobody is present in the room, the air flow stops.

### AFTER 1 OR 2 HOURS (SELECTABLE)



**Stand by:** the unit stops running if no activity is detected for 1 hour. It re-activates if and when activity is detected.

### PEOPLE IN ROOM



**Function re-activation:** if activity returns inside the room within 12 hours, the air conditioner automatically starts to run again in the pre-set mode.

The HUMAN SENSOR is disabled if any manual timer setting [Sleep timer, Timer on/off, Weekly timer] is activated.

## FUZZY AUTO OPERATION

Fuzzy Auto Operation guarantees automatic control of the comfort temperature even in the presence of a change in climate.

# COMFORT AND BENEFITS MHI TAKES CARE OF YOU

Guaranteeing the most complete personal well-being is a priority for MHI: through numerous operational features, the residential models ensure night-time comfort, controlled humidity levels in the environment and the ideal temperature at any time of the year.



## HIGH POWER: BOOST MODE

This mode provides extra air delivery to quickly bring the room to the desired temperature (in heating or cooling mode).

Useful in both the winter and summer months, the HIGH POWER function ensures a boost of warm air for pleasant warmth when you wake up in the winter, or a boost of fresh air when you get home on a hot summer day.

The air conditioner automatically resets the previous operating mode after 15 minutes to prevent the room from excessive heating or cooling.

## WEEKLY TIMER

Up to 4 timer programs are available (ON-TIMER, programmed automatic start / OFF-TIMER, automatic programmed stop) for each day of the week.

Up to 28 programs can be set per week. Once selected, this mode will repeat the same programming each week unless the setting is changed or cancelled.

## KEEPING HUMIDITY UNDER CONTROL

The perceived temperature in a room also depends on the degree of humidity. Dehumidification removes moisture from the air, lowering the temperature perceived during the summer months.

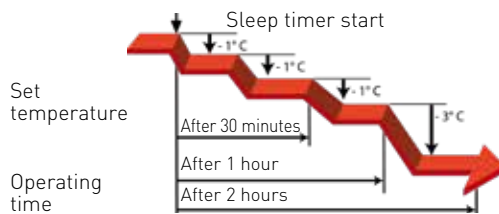
## NIGHT SET-BACK MODE

During the cold months, keep the room temperature at a comfortable level when you're not home, at night and when the room is empty. The air conditioner keeps a constant temperature of about 10° C.

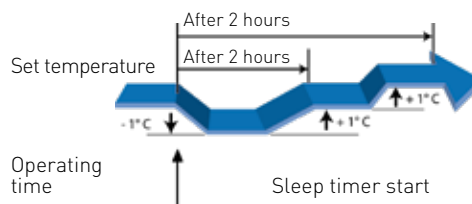
## SLEEP TIMER: NIGHT-TIME OPERATION

Excessive cooling/heating is not needed during night-time rest. Thanks to this function, you can have moderate cooling/heating by means of power adjustment, also guaranteeing energy savings.

### IN HEATING MODE



### IN COOLING MODE



# BREATHE HEALTHY AIR FILTERS AND SANITISATION

Well-being and health also pass through the air that we breathe. That's why Mitsubishi Heavy Industries makes our environments comfortable by sanitising and, at the same time, evenly distributing the air in its air conditioners. In particular, the residential model filters and structure perform a high level of filtering: they remove dust, preventing the formation of fungus and mould and exerting a deep deodorising action.

## ALLERGEN CLEAR FILTER, EFFECTIVE ALSO AGAINST COVID-19



### Using the diamide of carbonic acid

The anti-allergenic filter eliminates and deactivates pollens<sup>1</sup>, lice<sup>2</sup>, the allergens on cat fur, etc.

The secret behind the deactivation is the enzyme-carbonic acid diamide compound. It deactivates not only allergens, but also all kind of bacteria<sup>2</sup>, moulds, and viruses<sup>3</sup>.

**The Allergen Clear filter, developed by MHI, can capture a wide range of bacteria, allergens and also viruses that can cause serious health complications, including the Coronavirus infection.**

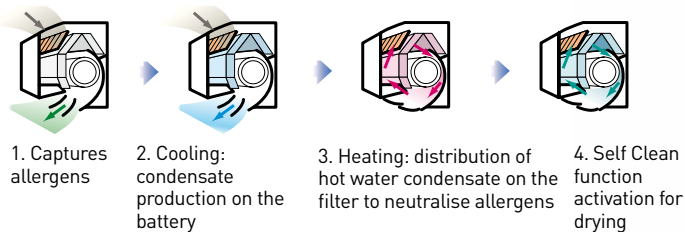
1. Colorimetric test method by ELISA Laboratory: National independent hospital agency of Sagamihara Hospital, no. 1536. 2. ELISA colorimetric test method/ELISA fluorescent method - Laboratory: National independent hospital agency of Sagamihara Hospital, no. 1536. 3. TCID test method (value of infection 50%) Laboratory: Foundation of the Center of Environmental Sciences of Kitazato, no. 15-0145.

## ALLERGEN CLEAR FUNCTION

The Allergen Clear function is a true thermal/mechanical sanitisation program: it is activated via the remote control, lasts one and a half hours and ends with activation of the Self Clean Operation, then shutting down automatically.

This function neutralises bacteria collected on the surface of the special self-cleaning anti-allergenic filter (with Carbonic Acid Diamide), thanks to the sophisticated interaction between the temperature and humidity control which activates the hydrolytic functions of the enzymes present on the filter.

### The 4 phases of the Allergen Clear function



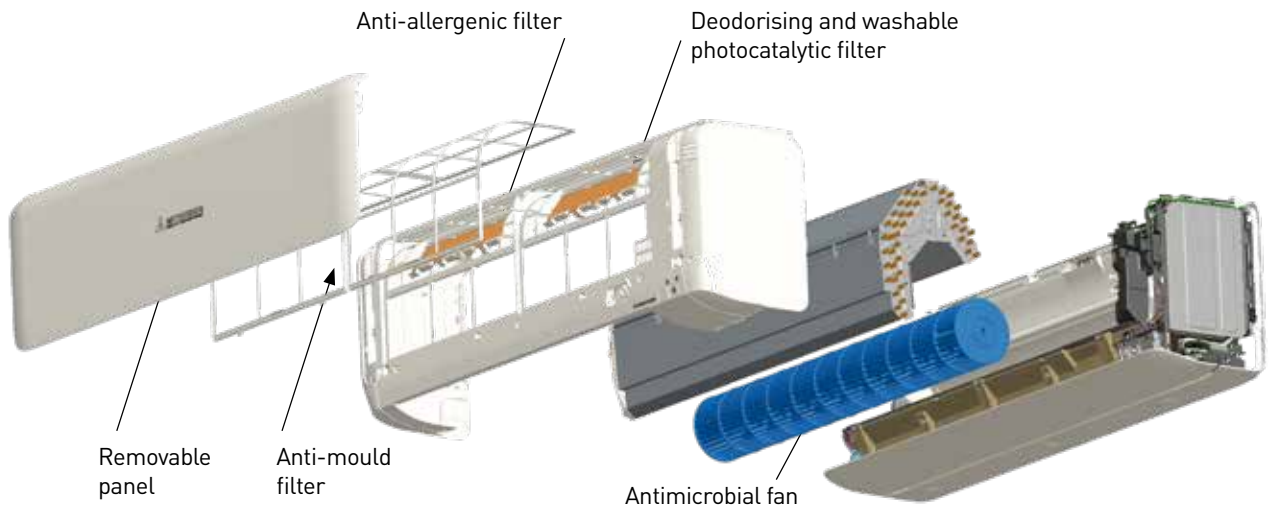
## ANTIMICROBIAL TREATMENTS IN FANS

To keep indoor units clean, the fans have been subjected to antimicrobial treatment against mould and germs, making the system clean and safe. Here below is a comparison between bacteria and mould growth on fan surfaces (microscopic image)



Filters and functions

Model	SRK-ZSXF	SRK-ZSF	SRK-ZTL	SRK-ZRF	SRF-ZS	SRR-ZS	SKM-ZSP
<b>ALLERGEN CLEAR</b>	✓	✓	✓	✓			
Dust-proof	✓	✓		✓	✓		
Photocatalytic	✓	✓		✓	✓		
Self Clean Operation	✓	✓	✓	✓	✓	✓	✓



### SELF CLEAN OPERATION

This function identifies the automatic mould sanitisation program that can be carried out at the end of the machine's operating cycle (or as the last phase of the Allergen Clear function). It lasts a couple hours. Mould proliferation is blocked through a thermal/mechanical process.

#### Example

When the "Self Clean Operation" is NOT performed for a week



Expansion of fungal mycelium

When "Self Clean Operation" is performed



Mould spores do not germinate



### PHOTOCATALYTIC FILTER WITH TITANIUM DIOXIDE + ZEOLITE

#### In non-woven fabric with TiO2 powders + Zeolite

Deodorising and washable, keeps air fresh air by neutralising odour-causing molecules. The filter and its deodorising power can be restored by simply rinsing with water and drying in the sun.



# VENTILATION AIR DISTRIBUTION

Jet Air technology for very quiet, very wide air flow. MHI has used the same aerodynamic analysis technology used in the development of jet engines for their air conditioners.

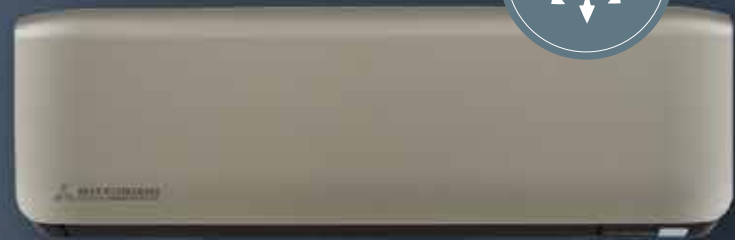
## 3D AIR FLOW, QUIET AND WITH A WIDE AIR FLOW RANGE

MHI made use of aeronautical technology for KIREIA Plus, KIREIA and KIREIA EVO model air flow system component design. Thanks to this technology, the units are able to distribute a wide, uniform air flow into the room, with a considerable reduction in consumption and sound levels: only 19 dB(A) for 2.00, 2.50 and 3.50 kW models and for 1.50, 2.00 kW (KIREIA Evo).

The automatic control of the air flow volume and direction ensures a comfortable, uniform climate in the environment.

Through this control, it is possible to prevent any currents of air that are too cold or too hot from being directed towards those present in the room.

In heating mode, the hot air flow can be aimed toward the ground, thus achieving an optimal degree of comfort.





Up to 20 metres

**DOUBLE FLAP** (large and small)

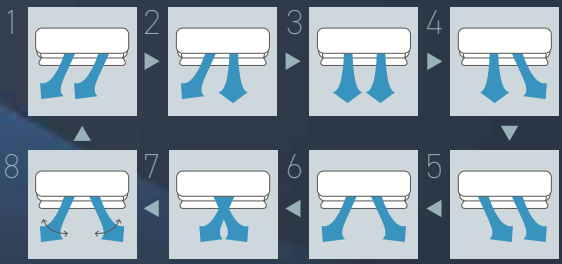
The double flap controls optimisation of the air flow: horizontal and long in cooling, strong and downward in heating.

**WIDE-RANGE AIR FLOW**

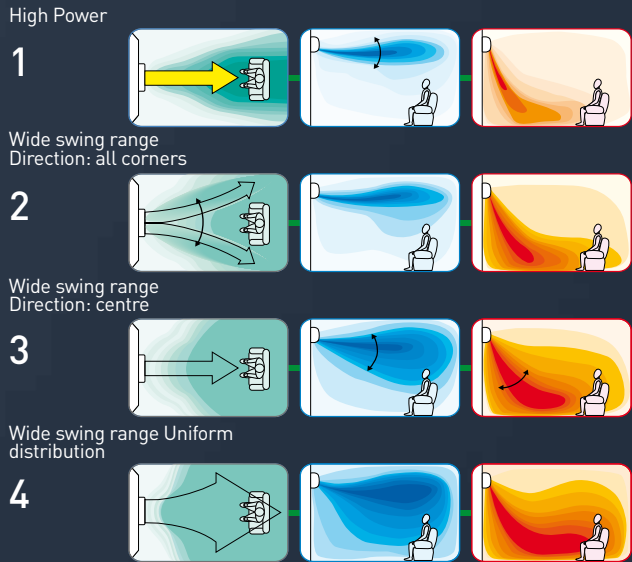
Jet technology lets you reach the corners of large rooms. Ideal for large living rooms, shops, offices.

**HORIZONTAL AIR DELIVERY LOUVRE SWING IN 8 DIFFERENT DIRECTIONS**

It is possible to manage the flow direction of the air delivery louvres individually: 8 different horizontal swing modes, selected from the remote control, to choose the direction of the air that you wish, thus achieving an optimal degree of comfort.



**3D AUTO PROGRAMMING**



This program, which can be selected from the remote control, lets you use a single button to activate three independent air flows, generating a uniform breeze that reaches every corner of the room.

In cooling mode, the cooled air does not hit people in the room directly but first flows on the ceiling, letting them feel the air like a fresh breeze. In heating mode, the hot air flow is diffused directly on the ground.

Where not specified on this page, the characteristics refer to the KIREIA Plus and KIREIA models.

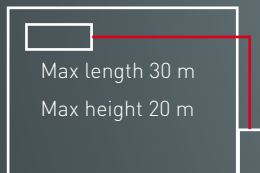
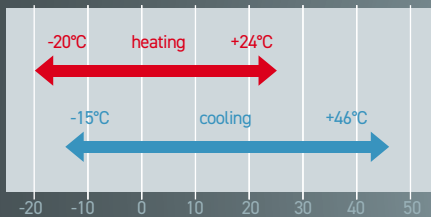


# A BREATH OF FRESH ADVANTAGES

The KIREIA Plus and KIREIA wall-mounted models are at the top in terms of installation convenience, build quality and advanced functionality.

## WIDE-RANGING OPERATION

The advanced technology of MHI air conditioners has extended operation in heating and cooling. The outdoor unit operates down to a temperature of -20°C.



## SPLITTING LENGTH

Up to 30 metres for maximum design flexibility.

## Ssshhh QUIET...

When silent mode is selected, the maximum pressure level on the outdoor unit will be less than 3 dB(A) compared to the standard nominal level [45 dB(A) or less].

The compressor speed is set to a lower interval than the nominal operating interval, at 60% of the rated power. Maximum fan speed on the outdoor unit is lower than nominal operating speed. The KIREIA Plus and KIREIA units have among the lowest sound pressure levels on the market [mod. 2.00, 2.50 and 3.50 kW].

## REMOVABLE PANEL

Advanced design and technology: the removable panel for air recovery has been designed to further reduce air resistance.



## KIREIA PLUS, ALL-ITALIAN DESIGN

Soft lines, great attention to detail and authentic exclusivity. Two colours available, white and titanium, that blend with any home décor. Italian design that wins at home and also abroad, with the Silver A'Design Award'.



## BRIGHTNESS ADJUSTMENT

LED display brightness can be adjusted to suit individual preferences (for ZSX, ZS, ZTL models).



## ALL YOUR PREFERENCES, JUST A CLICK AWAY!

Keeping the same operating mode, temperature, fan speed and air flow direction is now possible thanks to the 'Pre-Set' function: activated via remote control, this feature is able to store and recall the last selected settings, for your complete comfort.



# RESIDENTIAL MONOSPLIT R32

		kw	1.50	2.00	2.50	3.50	4.00	4.50	5.00	6.00	6.30	7.10	8.00
WALL	<b>KIREIA Plus</b> SRK ZSX-WF SRK ZSX-WFT <i>titanium</i>	 		✓	✓	✓			✓	✓			
	<b>KIREIA</b> SRK ZS-WF SRK ZS-WFT <i>titanium</i>	 		✓	✓	✓			✓				
	<b>KIREIA Évo</b> SRK ZTL-W	 	✓	✓	✓	✓			✓		✓	✓	
	<b>LARGE COMFORT</b> SRK ZR-WF										✓	✓	✓
FLOOR	<b>PRIMARY HEATING Console</b> SRF ZS/ZSX-W				✓	✓			✓				
DUCTED	<b>LIGHT COMMERCIAL Low pressure head</b> SRR ZS-W				✓	✓							
	<b>LIGHT COMMERCIAL Medium pressure head</b> FDUM VH						✓		✓	✓			
CEILING	<b>LIGHT COMMERCIAL</b> FDE VH						✓		✓	✓			
CASSETTE	<b>LIGHT COMMERCIAL</b> FDTC VH(1) 60x60				✓	✓	✓		✓	✓			
	<b>LIGHT COMMERCIAL</b> FDT VH 84x84						✓		✓	✓			

# KIREIA Plus

Wall



titanium



SRC 20~35 ZSX-W  
SRC 50 ZSX-W2  
SRC 60 ZSX-W1

SRK 20~60 ZSX-WF  
SRK 20~60 ZSX-WFT



<INCLUDED>



<ALLERGEN CLEAR FILTER>



<RC INCLUDED>



Indoor unit model		SRK 20 ZSX-WF(T)	SRK 25 ZSX-WF(T)	SRK 35 ZSX-WF(T)	SRK 50 ZSX-WF(T)	SRK 60 ZSX-WF(T)	
Outdoor unit model		SRC 20 ZSX-W	SRC 25 ZSX-W	SRC 35 ZSX-W	SRC 50 ZSX-W2	SRC 60 ZSX-W1	
Type		DC-Inverter heat pump					
Control (included)		Remote control					
Nominal data							
Rated capacity (T=+35°C)	Cooling	kW	2.00 (0.90~3.40)	2.50 (0.90~3.80)	3.50 (0.90~4.50)	5.00 (1.00~6.20)	6.10 (1.00~6.90)
		kW	0.31 (0.16~0.76)	0.44 (0.16~0.91)	0.74 (0.16~1.27)	1.24 (0.19~1.90)	1.71 (0.19~2.50)
		EER1	6.45	5.68	4.73	4.03	3.57
Rated capacity (T=+7°C)	Heating	kW	2.70 (0.80~5.50)	3.20 (0.80~6.00)	4.30 (0.80~6.80)	6.00 (0.80~8.20)	6.80 (0.80~8.80)
		kW	0.47 (0.14~1.36)	0.59 (0.14~1.54)	0.90 (0.14~1.87)	1.36 (0.20~2.46)	1.65 (0.20~2.86)
		COP1	5.74	5.42	4.78	4.41	4.12
Seasonal data							
Theoretical load (Pdesignc)	Cooling	kW	2.00	2.50	3.50	5.00	6.10
		SEER2	10.00	10.30	9.50	8.30	7.80
		626/20113	A+++	A+++	A+++	A++	A++
Annual energy consumption	Heating (average climate conditions)	kWh/a	70	85	129	211	274
		kW	2.80	3.00	3.40	4.50	5.20
		SCOP2	5.20	5.20	5.10	4.70	4.70
Theoretical load (Pdesignh) @-10°C	Heating (average climate conditions)	kWh/a	754	808	934	1341	1551
		kW	2.80	3.00	3.40	4.50	5.20
		SCOP2	5.20	5.20	5.10	4.70	4.70
Annual energy consumption	Heating (average climate conditions)	kWh/a	754	808	934	1341	1551
		kW	2.80	3.00	3.40	4.50	5.20
		SCOP2	5.20	5.20	5.10	4.70	4.70
Electrical data							
Power supply	Outdoor unit	Ph-V-Hz	1Ph - 220/240V - 50Hz	1Ph - 220/240V - 50Hz	1Ph - 220/240V - 50Hz	1Ph - 220/240V - 50Hz	1Ph - 220/240V - 50Hz
Power cable		Type	3 x 2.5 mm <sup>2</sup>	3 x 2.5 mm <sup>2</sup>	3 x 2.5 mm <sup>2</sup>	3 x 4 mm <sup>2</sup>	3 x 4 mm <sup>2</sup>
Connection wires between I.U. and O.U.		no.	4	4	4	4	4
Absorbed current	Cooling	A	1.80	2.40	3.50	5.40	7.50
	Heating	A	2.50	3.00	4.30	6.00	7.20
Maximum current		A	9.00	9.00	9.00	15.00	15.00
Maximum absorbed power		kW	1.92	1.92	1.92	2.90	2.90
Refrigerant circuit							
Refrigerant <sup>4</sup>	Type (GWP)	R32 (675)					
Quantity refrigerant pre-load	Kg	1.2	1.2	1.3	1.3	1.3	
Tons of CO <sub>2</sub> equivalent	t	0.810	0.810	0.878	0.878	0.878	
Diameter of refrigerant piping on liquid/gas	mm (inches)	ø6.35(1/4") - ø9.52(3/8")	ø6.35(1/4") - ø9.52(3/8")	ø6.35(1/4") - ø9.52(3/8")	ø6.35(1/4") - ø12.74(1/2")	ø6.35(1/4") - ø12.74(1/2")	
Max splitting length	m	25	25	25	30	30	
Max height difference I.U./O.U.	m	15	15	15	20	20	
Split length without additional charge	m	15	15	15	15	15	
Additional load	g/m	20	20	20	20	20	
Indoor unit specifications							
Dimensions	LxDxH	mm	920x220x305	920x220x305	920x220x305	920x220x305	920x220x305
Net weight		Kg	13	13	13	13	13
Sound power level	Max	dB(A)	55	56	58	62	63
Sound pressure level (Hi/Me/Lo/ULo)	Cooling	dB(A)	38/31/24/19	39/33/25/19	43/35/26/19	44/39/31/22	48/41/33/22
	Heating	dB(A)	38/33/25/19	40/34/27/19	42/35/28/19	47/41/33/23	47/42/34/23
Treated air volume (Hi/Me/Lo/ULo)	Cooling	m <sup>3</sup> /h	678/546/360/300	732/600/402/300	786/648/438/300	858/744/468/324	978/804/534/324
	Heating	m <sup>3</sup> /h	732/618/432/324	768/660/468/324	834/708/516/324	1038/858/588/372	1068/822/654/372
Outdoor unit specifications							
Dimensions	LxDxH	mm	800(+71)x290x640	800(+71)x290x640	800(+71)x290x640	800(+71)x290x640	800(+71)x290x640
Net weight		Kg	43	43	43	45	45
Sound power level	Max	dB(A)	58	58	62	63	65
Sound pressure level	Max	dB(A)	45	45	48	51	53
Treated air volume	Max	m <sup>3</sup> /h	1860	1860	2160	2340	2490
Operating limits (outside temperature)	Cooling	°C	-15~46				
	Heating	°C	-20~24				
Optional parts							
Wi-Fi module		Included					
Interface for home automation connection and wired control <sup>5</sup>		SC-BIKN2-E					

1. Value measured according to the harmonised standard EN 14511. 2. EU Regulation No. 206/2012 -- Value measured according to the harmonised standard EN 14825. 3. Delegated Regulation (EU) No 626/2011 regarding the new energy labelling of air conditioners. 4. Refrigerant leakage contributes to climate change. When released into the atmosphere, refrigerants with a lower global warming potential (GWP) contribute less to global warming than those with a higher GWP. This appliance contains a refrigerant with a GWP of 675. If 1 kg of this refrigerant fluid were released into the atmosphere, therefore, the impact on global warming would be 675 times higher than 1 kg of CO<sub>2</sub> over a period of 100 years. Under no circumstances should the user try to intervene on the refrigerant circuit or disassemble the product. Always contact qualified personnel if necessary. 5. Home automation protocols available: KNX, Modbus, BACnet. The use of the SC-BIKN2-E interface card inhibits some functions of the unit. Contact your contact person for further details.

# KIREIA

Wall



SRK 20-50 ZS-WF  
SRK 20-50 ZS-WFT



<INCLUDED>



<ALLERGEN CLEAR FILTER>



<RC INCLUDED>



SRC 20 ZS-W SRC 50 ZS-W  
SRC 25-35 ZS-W2



Indoor unit model		SRK 20 ZS-WF(T)	SRK 25 ZS-WF(T)	SRK 35 ZS-WF(T)	SRK 50 ZS-WF(T)	
Outdoor unit model		SRC 20 ZS-W	SRC 25 ZS-W2	SRC 35 ZS-W2	SRC 50 ZS-W	
Type		DC-Inverter heat pump				
Control (included)		Remote control				
<b>Nominal data</b>						
Rated capacity (T=+35°C)	Cooling	kW	2.00 (0.90~2.90)	2.50 (0.90~3.10)	3.50 (0.90~4.00)	5.00 (1.30~5.50)
		kW	0.44 (0.19~0.80)	0.62 (0.19~0.90)	0.89 (0.17~1.24)	1.35 (0.29~1.80)
		EER1	4.55	4.03	3.93	3.70
Rated capacity (T=+7°C)	Heating	kW	2.70 (0.90~4.30)	3.20 (0.90~4.50)	4.00 (0.90~5.00)	5.80 (1.30~6.60)
		kW	0.59 (0.20~1.40)	0.74 (0.20~1.42)	0.94 (0.19~1.45)	1.56 (0.25~1.98)
		COP1	4.58	4.32	4.26	3.72
<b>Seasonal data</b>						
Theoretical load (Pdesignc)	Cooling	kW	2.00	2.50	3.50	5.00
		SEER2	8.50	8.50	8.40	7.00
		626/20113	A+++	A+++	A++	A++
Annual energy consumption		kWh/a	83	103	146	250
Theoretical load (Pdesignh) @-10°C	Heating (average climate conditions)	kW	2.60	2.70	3.00	3.80
		SCOP2	4.60	4.70	4.70	4.60
		626/20113	A++	A++	A++	A++
Annual energy consumption		kWh/a	793	804	895	1158
<b>Electrical data</b>						
Power supply	Outdoor unit	Ph-V-Hz	1Ph - 220/240V - 50Hz			
Power cable		Type	3 x 2.5 mm <sup>2</sup>	3 x 2.5 mm <sup>2</sup>	3 x 2.5 mm <sup>2</sup>	3 x 4 mm <sup>2</sup>
Connection wires between I.U. and O.U.		no.	4	4	4	4
Absorbed current	Cooling	A	2.50	3.10	4.20	5.90
	Heating	A	3.00	3.60	4.40	6.90
Maximum current		A	9.00	9.00	9.00	14.50
Maximum absorbed power		kW	1.65	1.65	1.65	2.68
<b>Refrigerant circuit</b>						
Refrigerant <sup>4</sup>		Type (GWP)	R32 (675)			
Quantity refrigerant pre-load		Kg	0.62	0.62	0.78	1.05
Tons of CO2 equivalent		t	0.419	0.419	0.527	0.709
Diameter of refrigerant piping on liquid/gas		mm (inches)	ø6.35(1/4") - ø9.52(3/8")	ø6.35(1/4") - ø9.52(3/8")	ø6.35(1/4") - ø9.52(3/8")	ø6.35(1/4") - ø12.74(1/2")
Max splitting length		m	20	20	20	25
Max height difference I.U./O.U.		m	10	10	10	15
Split length without additional charge		m	15	15	15	15
Additional load		g/m	20	20	20	20
<b>Indoor unit specifications</b>						
Dimensions	LxDxH	mm	870x230x290	870x230x290	870x230x290	870x230x290
Net weight		Kg	9.5	9.5	9.5	10
Sound power level	Max	dB(A)	50	53	56	60
Sound pressure level (Hi/Me/Lo/U/Lo)	Cooling	dB(A)	34/25/22/19	36/28/23/19	40/30/26/19	46/36/29/22
	Heating	dB(A)	36/29/23/19	39/30/24/19	41/36/25/19	46/37/31/24
Treated air volume (Hi/Me/Lo/U/Lo)	Cooling	m <sup>3</sup> /h	558/420/354/300	594/480/354/300	678/522/420/300	726/594/444/354
	Heating	m <sup>3</sup> /h	600/510/390/354	678/522/402/354	738/660/420/336	834/672/546/444
<b>Outdoor unit specifications</b>						
Dimensions	LxDxH	mm	780(+62)x290x540	780(+62)x290x540	780(+62)x290x540	780(+62)x290x595
Net weight		Kg	31.5	31	34.5	36
Sound power level	Max	dB(A)	56	58	61	63
Sound pressure level	Max	dB(A)	45	46	50	52
Treated air volume	Max	m <sup>3</sup> /h	1482	1644	1890	1968
Operating limits (outside temperature)	Cooling	°C	-15~46			
	Heating	°C	-15~24			
<b>Optional parts</b>						
Wi-Fi module			Included			
Interface for home automation connection and wired control <sup>5</sup>			SC-BIKN2-E			

1. Value measured according to the harmonised standard EN 14511. 2. EU Regulation No. 206/2012 -- Value measured according to the harmonised standard EN 14825. 3. Delegated Regulation (EU) No 626/2011 regarding the new energy labelling of air conditioners. 4. Refrigerant leakage contributes to climate change. When released into the atmosphere, refrigerants with a lower global warming potential (GWP) contribute less to global warming than those with a higher GWP. This appliance contains a refrigerant with a GWP of 675. If 1 kg of this refrigerant fluid were released into the atmosphere, therefore, the impact on global warming would be 675 times higher than 1 kg of CO<sub>2</sub> over a period of 100 years. Under no circumstances should the user try to intervene on the refrigerant circuit or disassemble the product. Always contact qualified personnel if necessary. 5. Home automation protocols available: KNX, Modbus, BACnet. The use of the SC-BIKN2-E interface card inhibits some functions of the unit. Contact your contact person for further details.

# KIREIA EVO

Wall

NEW



SRK 15~50 ZTL-W



SRC 15 ZTL-W SRC 20 ZTL-W  
SRC 25 ZTL-W SRC 35 ZTL-W  
SRC 50 ZTL-W



\* The weekly timer function can be used just from the WF-RAC application

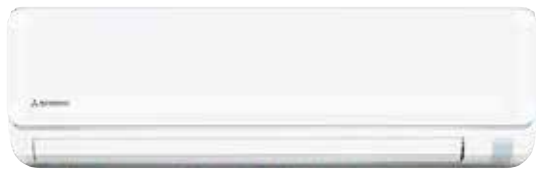
Indoor unit model	SRK 15 ZTL-W	SRK 20 ZTL-W	SRK 25 ZTL-W	SRK 35 ZTL-W	SRK 50 ZTL-W		
Outdoor unit model	SRC 15 ZTL-W	SRC 20 ZTL-W	SRC 25 ZTL-W	SRC 35 ZTL-W	SRC 50 ZTL-W		
Type	DC-Inverter heat pump						
Control (included)	Remote control						
<b>Nominal data</b>							
Rated capacity (T=+35°C)	Cooling	kW	1.50 (0.80~2.50)	2.00 (0.80~2.80)	2.50 (0.80~3.20)	3.50 (0.80~3.70)	5.00 (1.30~5.30)
Rated absorbed power (T=+35°C)		kW	0.35 (0.20~0.85)	0.52 (0.20~0.92)	0.58 (0.19~0.95)	1.05 (0.19~1.30)	1.59 (0.29~1.77)
Rated energy efficiency coefficient		EER1	4.29	3.92	4.31	3.33	3.14
Rated capacity (T=+7°C)	Heating	kW	2.00 (0.90~4.10)	2.70 (0.90~4.20)	3.00 (1.00~4.80)	3.80 (1.00~4.90)	5.80 (1.30~6.30)
Rated absorbed power (T=+7°C)		kW	0.42 (0.21~1.39)	0.64 (0.21~1.40)	0.66 (0.21~1.48)	0.90 (0.21~1.50)	1.62 (0.27~2.04)
Rated energy performance coefficient		COP1	4.76	4.22	4.55	4.22	3.58
<b>Seasonal data</b>							
Theoretical load (Pdesignc)	Cooling	kW	1.50	2.00	2.50	3.50	5.00
Seasonal energy efficiency index		SEER2	6.40	6.70	6.90	6.50	6.50
Seasonal energy efficiency class		626/20113	A++	A++	A++	A++	A++
Annual energy consumption		kWh/a	83	105	127	189	270
Theoretical load (Pdesignh) @-10°C	Heating (average climate conditions)	kW	2.30	2.40	2.70	2.80	4.00
Seasonal energy efficiency index		SCOP2	4.40	4.40	4.70	4.70	4.30
Seasonal energy efficiency class		626/20113	A+	A+	A++	A++	A+
Annual energy consumption		kWh/a	732	764	804	835	1302
<b>Electrical data</b>							
Power supply	Outdoor unit	Ph-V-Hz	1Ph - 220/240V - 50Hz				
Power cable		Type	3 x 2.5 mm <sup>2</sup>	3 x 2.5 mm <sup>2</sup>	3 x 2.5 mm <sup>2</sup>	3 x 2.5 mm <sup>2</sup>	3 x 4 mm <sup>2</sup>
Connection wires between I.U. and O.U.		no.	4	4	4	4	4
Absorbed current	Cooling	A	2.00	2.90	3.20	4.90	7.00
	Heating	A	2.40	3.50	3.60	4.30	7.10
Maximum current		A	9.00	9.00	9.00	9.00	14.50
Maximum absorbed power		kW	1.53	1.53	1.63	1.65	2.24
<b>Refrigerant circuit</b>							
Refrigerant <sup>4</sup>		Type (GWP)	R32 (675)				
Quantity refrigerant pre-load		Kg	0.43	0.43	0.59	0.59	0.9
Tons of CO <sub>2</sub> equivalent		t	0.290	0.290	0.398	0.398	0.606
Diameter of refrigerant piping on liquid/gas		mm (inches)	ø6.35(1/4") - ø9.52(3/8")	ø6.35(1/4") - ø9.52(3/8")	ø6.35(1/4") - ø9.52(3/8")	ø6.35(1/4") - ø9.52(3/8")	ø6.35(1/4") - ø12.74(1/2")
Max splitting length		m	20	20	20	20	25
Max height difference I.U./O.U.		m	15	15	15	15	20
Split length without additional charge		m	10	10	10	10	15
Additional load		g/m	20	20	20	20	20
<b>Indoor unit specifications</b>							
Dimensions	LxDxH	mm	798x210x294	798x210x294	798x210x294	798x210x294	798x210x294
Net weight		Kg	8.5	8.5	9	9	9.5
Sound power level	Max	dB(A)	53	54	55	57	60
Sound pressure level (Hi/Me/Lo/ULo)	Cooling	dB(A)	36/30/23/19	37/31/23/19	41/36/26/22	42/37/27/22	47/40/32/25
	Heating	dB(A)	38/32/24/19	39/34/25/19	41/36/29/22	43/37/31/22	47/40/33/25
Treated air volume (Hi/Me/Lo/ULo)	Cooling	m <sup>3</sup> /h	570/450/294/228	594/468/294/228	600/480/318/264	624/510/330/264	750/624/432/324
	Heating	m <sup>3</sup> /h	600/522/348/264	624/546/372/264	660/564/390/300	708/588/408/300	756/690/534/384
<b>Outdoor unit specifications</b>							
Dimensions	LxDxH	mm	645(+57)x275x540	645(+57)x275x540	645(+57)x275x540	645(+57)x275x540	780(+62)x290x595
Net weight		Kg	19.5	19.5	21.5	21.5	31.5
Sound power level	Max	dB(A)	57	58	59	62	65
Sound pressure level	Max	dB(A)	44	46	47	50	53
Treated air volume	Max	m <sup>3</sup> /h	1776	1776	1302	1446	2028
Operating limits (outside temperature)	Cooling	°C	-15~46				
	Heating	°C	-15~24				
<b>Optional parts</b>							
Wi-Fi module			Included				
Interface for home automation connection and wired control <sup>5</sup>			SC-BIKN2-E				

1. Value measured according to the harmonised standard EN 14511. 2. EU Regulation No. 206/2012 -- Value measured according to the harmonised standard EN 14825. 3. Delegated Regulation (EU) No 626/2011 regarding the new energy labelling of air conditioners. 4. Refrigerant leakage contributes to climate change. When released into the atmosphere, refrigerants with a lower global warming potential (GWP) contribute less to global warming than those with a higher GWP. This appliance contains a refrigerant with a GWP of 675. If 1 kg of this refrigerant fluid were released into the atmosphere, therefore, the impact on global warming would be 675 times higher than 1 kg of CO<sub>2</sub> over a period of 100 years. Under no circumstances should the user try to intervene on the refrigerant circuit or disassemble the product. Always contact qualified personnel if necessary. 5. Home automation protocols available: KNX, Modbus, BACnet. The use of the SC-BIKN2-E interface card inhibits some functions of the unit. Contact your contact person for further details.

# KIREIA Evo

Wall

NEW



SRK 63~71 ZTL-W



<INCLUDED>



<ALLERGEN CLEAR FILTER>



<RC INCLUDED>



SRC 63~71 ZTL-W



\* The weekly timer function can be used just from the WF-RAC application

Indoor unit model		SRK 63 ZTL-W		SRK 71 ZTL-W	
Outdoor unit model		SRC 63 ZTL-W		SRC 71 ZTL-W	
Type		DC-Inverter heat pump			
Control (included)		Remote control			
<b>Nominal data</b>					
Rated capacity (T=+35°C)	Cooling	kW	6.30 (1.20~7.10)	7.10 (1.20~7.30)	
Rated absorbed power (T=+35°C)		kW	1.84 (0.27~2.43)	2.45 (0.28~2.67)	
Rated energy efficiency coefficient		EER1	3.42	2.90	
Rated capacity (T=+7°C)	Heating	kW	7.10 (1.00~8.50)	8.00 (1.10~9.10)	
Rated absorbed power (T=+7°C)		kW	2.01 (0.25~2.89)	2.37 (0.26~3.30)	
Rated energy performance coefficient		COP1	3.53	3.38	
<b>Seasonal data</b>					
Theoretical load (Pdesignc)	Cooling	kW	6.30	7.10	
Seasonal energy efficiency index		SEER2	7.50	7.10	
Seasonal energy efficiency class		626/20113	A++	A++	
Annual energy consumption		kWh/a	295	351	
Theoretical load (Pdesignh) @-10°C	Heating (average climate conditions)	kW	5.30	6.20	
Seasonal energy efficiency index		SCOP2	4.60	4.40	
Seasonal energy efficiency class		626/20113	A++	A+	
Annual energy consumption		kWh/a	1615	1972	
<b>Electrical data</b>					
Power supply	Outdoor unit	Ph-V-Hz	1Ph - 220/240V - 50Hz		
Power cable		Type	3 x 4 mm <sup>2</sup>	3 x 4 mm <sup>2</sup>	
Connection wires between I.U. and O.U.		no.	4	4	
Absorbed current	Cooling	A	8.10	10.80	
	Heating	A	8.80	10.40	
Maximum current		A	17.00	17.00	
Maximum absorbed power		kW	3.18	3.63	
<b>Refrigerant circuit</b>					
Refrigerant <sup>†</sup>		Type (GWP)	R32 (675)		
Quantity refrigerant pre-load		Kg	1.2	1.2	
Tons of CO2 equivalent		t	0.810	0.810	
Diameter of refrigerant piping on liquid/gas		mm (inches)	ø6.35(1/4") - ø12.74(1/2")	ø6.35(1/4") - ø12.74(1/2")	
Max splitting length		m	30	30	
Max height difference I.U./O.U.		m	20	20	
Split length without additional charge		m	15	15	
Additional load		g/m	20	20	
<b>Indoor unit specifications</b>					
Dimensions	LxDxH	mm	998x230x294	998x230x294	
Net weight		Kg	12	12	
Sound power level	Max	dB(A)	60	61	
Sound pressure level (Hi/Me/Lo/ULo)	Cooling	dB(A)	46/43/38/30	48/44/39/31	
	Heating	dB(A)	47/43/39/32	47/44/40/33	
Treated air volume (Hi/Me/Lo/ULo)	Cooling	m <sup>3</sup> /h	1020/882/726/564	1050/912/756/564	
	Heating	m <sup>3</sup> /h	1104/1032/846/696	1134/1062/876/696	
<b>Outdoor unit specifications</b>					
Dimensions	LxDxH	mm	800(+71)x290x640	800(+71)x290x640	
Net weight		Kg	42.5	42.5	
Sound power level	Max	dB(A)	66	66	
Sound pressure level	Max	dB(A)	54	54	
Treated air volume	Max	m <sup>3</sup> /h	2580	2580	
Operating limits (outside temperature)	Cooling	°C	-15~46		
	Heating	°C	-15~24		
<b>Optional parts</b>					
Wi-Fi module			Included		
Interface for home automation connection and wired control <sup>5</sup>			SC-BIKN2-E		

1. Value measured according to the harmonised standard EN 14511. 2. EU Regulation No. 206/2012 -- Value measured according to the harmonised standard EN 14825. 3. Delegated Regulation (EU) No 626/2011 regarding the new energy labelling of air conditioners. 4. Refrigerant leakage contributes to climate change. When released into the atmosphere, refrigerants with a lower global warming potential (GWP) contribute less to global warming than those with a higher GWP. This appliance contains a refrigerant with a GWP of 675. If 1 kg of this refrigerant fluid were released into the atmosphere, therefore, the impact on global warming would be 675 times higher than 1 kg of CO<sub>2</sub> over a period of 100 years. Under no circumstances should the user try to intervene on the refrigerant circuit or disassemble the product. Always contact qualified personnel if necessary. 5. Home automation protocols available: KNX, Modbus, BACnet. The use of the SC-BIKN2-E interface card inhibits some functions of the unit. Contact your contact person for further details.

# LARGE COMFORT

## Wall



SRK 63~80 ZR-WF



<INCLUDED>



<ALLERGEN CLEAR FILTER>



<RC INCLUDED>



SRC 63 ZR-W SRC 71~80 ZR-W



Indoor unit model		SRK 63 ZR-WF		SRK 71 ZR-WF		SRK 80 ZR-WF	
Outdoor unit model		SRC 63 ZR-W		SRC 71 ZR-W		SRC 80 ZR-W	
Type		DC-Inverter heat pump					
Control (included)		Remote control					
<b>Nominal data</b>							
Rated capacity (T=+35°C)	Cooling	kW	6.30 (1.20~7.40)	7.10 (2.30~7.80)	8.00 (2.30~9.70)		
Rated absorbed power (T=+35°C)		kW	1.63 (0.20~2.50)	1.93 (0.48~2.40)	2.09 (0.48~3.20)		
Rated energy efficiency coefficient		EER1	3.89	3.68	3.83		
Rated capacity (T=+7°C)	Heating	kW	7.10 (0.80~9.30)	8.00 (2.00~10.80)	9.00 (2.10~11.20)		
Rated absorbed power (T=+7°C)		kW	1.64 (0.16~2.80)	1.95 (0.40~3.60)	2.27 (0.40~3.50)		
Rated energy performance coefficient		COP1	4.33	4.10	3.96		
<b>Seasonal data</b>							
Theoretical load (Pdesignc)	Cooling	kW	6.30	7.10	8.00		
Seasonal energy efficiency index		SEER2	8.10	7.40	7.00		
Seasonal energy efficiency class		626/20113	A++	A++	A++		
Annual energy consumption		kWh/a	273	337	401		
Theoretical load (Pdesignh) @-10°C	Heating (average climate conditions)	kW	5.40	6.60	7.10		
Seasonal energy efficiency index		SCOP2	4.70	4.50	4.40		
Seasonal energy efficiency class		626/20113	A++	A+	A+		
Annual energy consumption		kWh/a	1608	2055	2259		
<b>Electrical data</b>							
Power supply	Outdoor unit	Ph-V-Hz	1Ph - 220/240V - 50Hz				
Power cable		Type	3 x 4 mm <sup>2</sup>	3 x 4 mm <sup>2</sup>	3 x 4 mm <sup>2</sup>		
Connection wires between I.U. and O.U.		no.	4	4	4		
Absorbed current	Cooling	A	7.20	8.60	9.30		
	Heating	A	7.20	8.70	10.10		
Maximum current		A	14.50	17.00	17.00		
Maximum absorbed power		kW	2.90	3.65	3.65		
<b>Refrigerant circuit</b>							
Refrigerant <sup>†</sup>		Type (GWP)	R32 (675)				
Quantity refrigerant pre-load		Kg	1.25	1.5	1.6		
Tons of CO2 equivalent		t	0.844	1.013	1.080		
Diameter of refrigerant piping on liquid/gas		mm (inches)	ø6.35(1/4") - ø12.74(1/2")	ø6.35(1/4") - ø15.88(5/8")	ø6.35(1/4") - ø15.88(5/8")		
Max splitting length		m	30	30	30		
Max height difference I.U./O.U.		m	20	20	20		
Split length without additional charge		m	15	15	15		
Additional load		g/m	20	25	25		
<b>Indoor unit specifications</b>							
Dimensions	LxDxH	mm	1197x262x339	1197x262x339	1197x262x339		
Net weight		Kg	15.5	15.5	16.5		
Sound power level	Max	dB(A)	58	60	62		
Sound pressure level (Hi/Me/Lo/ULo)	Cooling	dB(A)	44/39/35/25	44/41/37/25	47/44/39/26		
	Heating	dB(A)	44/38/34/28	46/39/35/28	47/41/36/29		
Treated air volume (Hi/Me/Lo/ULo)	Cooling	m <sup>3</sup> /h	1230/1086/942/624	1230/1116/972/624	1410/1212/1050/624		
	Heating	m <sup>3</sup> /h	1350/1140/990/786	1500/1188/1038/798	1590/1278/1104/810		
<b>Outdoor unit specifications</b>							
Dimensions	LxDxH	mm	800(+71)x290x640	880(+88)x340x750	880(+88)x340x750		
Net weight		Kg	45	56	57		
Sound power level	Max	dB(A)	65	63	67		
Sound pressure level	Max	dB(A)	54	53	56		
Treated air volume	Max	m <sup>3</sup> /h	2490	3300	3780		
Operating limits (outside temperature)	Cooling	°C	-15~46				
	Heating	°C	-15~24				
<b>Optional parts</b>							
Wi-Fi module			Included				
Interface for home automation connection and wired control <sup>5</sup>			SC-BIKN2-E				

1. Value measured according to the harmonised standard EN 14511. 2. EU Regulation No. 206/2012 -- Value measured according to the harmonised standard EN 14825. 3. Delegated Regulation (EU) No 626/2011 regarding the new energy labelling of air conditioners. 4. Refrigerant leakage contributes to climate change. When released into the atmosphere, refrigerants with a lower global warming potential (GWP) contribute less to global warming than those with a higher GWP. This appliance contains a refrigerant with a GWP of 675. If 1 kg of this refrigerant fluid were released into the atmosphere, therefore, the impact on global warming would be 675 times higher than 1 kg of CO<sub>2</sub> over a period of 100 years. Under no circumstances should the user try to intervene on the refrigerant circuit or disassemble the product. Always contact qualified personnel if necessary. 5. Home automation protocols available: KNX, Modbus, BACnet. The use of the SC-BIKN2-E interface card inhibits some functions of the unit. Contact your contact person for further details.

# PRIMARY HEATING

## Console



SRC 25~35 ZS-W2



SRC 50 ZSX-W2

SRF 25~35 ZS-W / SRF 50 ZSX-W



Indoor unit model		SRF 25 ZS-W		SRF 35 ZS-W		SRF 50 ZSX-W	
Outdoor unit model		SRC 25 ZS-W2		SRC 35 ZS-W2		SRC 50 ZSX-W2	
Type		DC-Inverter heat pump					
Control (included)		Remote control					
<b>Nominal data</b>							
Rated capacity (T=+35°C)	Cooling	kW	2.50 (0.90~3.10)	3.50 (0.90~4.10)	5.00 (1.10~5.60)		
Rated absorbed power (T=+35°C)		kW	0.59 (0.19~0.89)	0.82 (0.18~1.33)	1.32 (0.19~1.90)		
Rated energy efficiency coefficient		EER1	4.24	4.27	3.79		
Rated capacity (T=+7°C)	Heating	kW	2.90 (0.80~3.70)	4.50 (0.80~5.20)	6.00 (0.80~7.40)		
Rated absorbed power (T=+7°C)		kW	0.66 (0.20~1.14)	1.12 (0.19~1.53)	1.58 (0.19~2.34)		
Rated energy performance coefficient		COP1	4.39	4.02	3.80		
<b>Seasonal data</b>							
Theoretical load (Pdesignc)	Cooling	kW	2.50	3.50	5.00		
Seasonal energy efficiency index		SEER2	7.40	8.10	7.50		
Seasonal energy efficiency class		626/2011 <sup>3</sup>	A++	A++	A++		
Annual energy consumption		kWh/a	119	152	234		
Theoretical load (Pdesignh) @-10°C	Heating (average climate conditions)	kW	2.40	2.90	4.10		
Seasonal energy efficiency index		SCOP2	4.00	4.70	4.60		
Seasonal energy efficiency class		626/2011 <sup>3</sup>	A+	A++	A++		
Annual energy consumption		kWh/a	840	864	1247		
<b>Electrical data</b>							
Power supply	Outdoor unit	Ph-V-Hz	1Ph - 220/240V - 50Hz				
Power cable		Type	3 x 2.5 mm <sup>2</sup>	3 x 2.5 mm <sup>2</sup>	3 x 4 mm <sup>2</sup>		
Connection wires between I.U. and O.U.		no.	4	4	4		
Absorbed current	Cooling	A	3.00	3.90	5.80		
	Heating	A	3.30	5.10	6.90		
Maximum current		A	9.00	9.00	15.00		
Maximum absorbed power		kW	1.65	1.65	2.90		
<b>Refrigerant circuit</b>							
Refrigerant <sup>4</sup>		Type (GWP)	R32 (675)				
Quantity refrigerant pre-load		Kg	0.62	0.78	1.3		
Tons of CO2 equivalent		t	0.419	0.527	0.878		
Diameter of refrigerant piping on liquid/gas		mm (inches)	ø6.35(1/4") - ø9.52(3/8")	ø6.35(1/4") - ø9.52(3/8")	ø6.35(1/4") - ø12.74(1/2")		
Max splitting length		m	20	20	30		
Max height difference I.U./O.U.		m	10	10	20		
Split length without additional charge		m	10	15	15		
Additional load		g/m	20	20	20		
<b>Indoor unit specifications</b>							
Dimensions	LxDxH	mm	860x238x600	860x238x600	860x238x600		
Net weight		Kg	18	19	19		
Sound power level	Max	dB(A)	51	52	58		
Sound pressure level (Hi/Me/Lo/ULo)	Cooling	dB(A)	38/32/29/25	40/35/33/29	46/38/33/28		
	Heating	dB(A)	39/35/33/39	41/36/35/33	46/41/38/32		
Treated air volume (Hi/Me/Lo/ULo)	Cooling	m <sup>3</sup> /h	540/456/402/348	552/468/438/384	690/576/444/396		
	Heating	m <sup>3</sup> /h	630/492/462/396	642/498/486/444	720/600/564/456		
<b>Outdoor unit specifications</b>							
Dimensions	LxDxH	mm	780(+62)x290x540	780(+62)x290x540	800(+71)x290x640		
Net weight		Kg	31	34.5	45		
Sound power level	Max	dB(A)	60	64	63		
Sound pressure level	Max	dB(A)	47	51	51		
Treated air volume	Max	m <sup>3</sup> /h	1644	1890	2340		
Operating limits (outside temperature)	Cooling	°C	-15~46				
	Heating	°C	-15~24				
<b>Optional parts</b>							
Wi-Fi module <sup>5</sup>			WF-RAC				
Interface for home automation connection and wired control <sup>6</sup>			SC-BIKN2-E				

1. Value measured according to the harmonised standard EN 14511. 2. EU Regulation No. 206/2012 -- Value measured according to the harmonised standard EN 14825. 3. Delegated Regulation (EU) No 626/2011 regarding the new energy labelling of air conditioners. 4. Refrigerant leakage contributes to climate change. When released into the atmosphere, refrigerants with a lower global warming potential (GWP) contribute less to global warming than those with a higher GWP. This appliance contains a refrigerant with a GWP of 675. If 1 kg of this refrigerant fluid were released into the atmosphere, therefore, the impact on global warming would be 675 times higher than 1 kg of CO2, over a period of 100 years. Under no circumstances should the user try to intervene on the refrigerant circuit or disassemble the product. Always contact qualified personnel if necessary. 5. Use of the Wi-Fi module excludes the possibility of connecting any other optional Accessories. 6. Available home automation protocols: KNX, Modbus, BACnet The use of the SC-BIKN2-E interface board inhibits some unit functions. Contact your contact person for further information.

## LIGHT COMMERCIAL

### Low head ducted



SRR 25-35 ZS-W



SRC 25-35 ZS-W2



Indoor unit model		SRR 25 ZS-W		SRR 35 ZS-W	
Outdoor unit model		SRC 25 ZS-W2		SRC 35 ZS-W2	
Type		DC-Inverter heat pump			
Control (included)		Remote control			
<b>Nominal data</b>					
Rated capacity (T=+35°C)	Cooling	kW	2.50 (0.90~3.20)	3.50 (0.90~4.10)	
Rated absorbed power (T=+35°C)		kW	0.62 (0.19~0.99)	0.93 (0.19~1.26)	
Rated energy efficiency coefficient		EER1	4.03	3.76	
Rated capacity (T=+7°C)	Heating	kW	2.90 (0.90~4.40)	4.20 (1.00~5.20)	
Rated absorbed power (T=+7°C)		kW	0.65 (0.19~1.32)	1.01 (0.20~1.45)	
Rated energy performance coefficient		COP1	4.46	4.16	
<b>Seasonal data</b>					
Theoretical load (Pdesignc)	Cooling	kW	2.50	3.50	
Seasonal energy efficiency index		SEER2	6.60	6.80	
Seasonal energy efficiency class		626/2011 <sup>3</sup>	A++	A++	
Annual energy consumption		kWh/a	133	181	
Theoretical load (Pdesignh) @-10°C	Heating (average climate conditions)	kW	2.50	3.10	
Seasonal energy efficiency index		SCOP2	4.10	4.50	
Seasonal energy efficiency class		626/2011 <sup>3</sup>	A+	A+	
Annual energy consumption		kWh/a	853	966	
<b>Electrical data</b>					
Power supply	Outdoor unit	Ph-V-Hz	1Ph - 220/240V - 50Hz		
Power cable		Type	3 x 2.5 mm <sup>2</sup>	3 x 2.5 mm <sup>2</sup>	
Connection wires between I.U. and O.U.		no.	4	4	
Absorbed current	Cooling	A	3.10	4.30	
	Heating	A	3.20	4.70	
Maximum current		A	9.00	9.00	
Maximum absorbed power		kW	1.65	1.65	
<b>Refrigerant circuit</b>					
Refrigerant <sup>4</sup>		Type (GWP)	R32 (675)		
Quantity refrigerant pre-load		Kg	0.62	0.78	
Tons of CO2 equivalent		t	0.419	0.527	
Diameter of refrigerant piping on liquid/gas		mm (inches)	ø6.35(1/4") - ø9.52(3/8")	ø6.35(1/4") - ø9.52(3/8")	
Max splitting length		m	20	20	
Max height difference I.U./O.U.		m	10	10	
Split length without additional charge		m	15	15	
Additional load		g/m	20	20	
<b>Indoor unit specifications</b>					
Dimensions	LxDxH	mm	750x500x200	750x500x200	
Net weight		Kg	20.5	20.5	
Sound power level	Max	dB(A)	59	60	
Sound pressure level (Hi/Me/Lo/ULo)	Cooling	dB(A)	37/33/30/24	38/34/31/25	
	Heating	dB(A)	40/37/34/28	42/38/35/29	
Treated air volume (Hi/Me/Lo/ULo)	Cooling	m <sup>3</sup> /h	570/480/390/270	600/510/420/300	
	Heating	m <sup>3</sup> /h	600/540/480/360	630/570/510/390	
<b>Outdoor unit specifications</b>					
Dimensions	LxDxH	mm	780(+62)x290x540	780(+62)x290x540	
Net weight		Kg	31	34.5	
Sound power level	Max	dB(A)	58	62	
Sound pressure level	Max	dB(A)	47	50	
Treated air volume	Max	m <sup>3</sup> /h	1644	1890	
Operating limits (outside temperature)	Cooling	°C		-15~46	
	Heating	°C		-15~24	
<b>Optional parts</b>					
Wi-Fi module <sup>5</sup>				WF-RAC	
Interface for home automation connection and wired control <sup>6</sup>				SC-BIKN2-E	
Kit for recovery from bottom				UT-BAT1EF	

1. Value measured according to the harmonised standard EN 14511. 2. EU Regulation No. 206/2012 -- Value measured according to the harmonised standard EN 14825. 3. Delegated Regulation (EU) No 626/2011 regarding the new energy labelling of air conditioners. 4. Refrigerant leakage contributes to climate change. When released into the atmosphere, refrigerants with a lower global warming potential (GWP) contribute less to global warming than those with a higher GWP. This appliance contains a refrigerant with a GWP of 675. If 1 kg of this refrigerant fluid were released into the atmosphere, therefore, the impact on global warming would be 675 times higher than 1 kg of CO<sub>2</sub> over a period of 100 years. Under no circumstances should the user try to intervene on the refrigerant circuit or disassemble the product. Always contact qualified personnel if necessary. 5. Use of the Wi-Fi module excludes the possibility of connecting any other optional Accessories. 6. Available home automation protocols: KNX, Modbus, BACnet The use of the SC-BIKN2-E interface board inhibits some unit functions. Contact your contact person for further information.



## LIGHT COMMERCIAL

### Medium head ducted



FDUM 40~50 VH

FDUM 60 VH



RCN-KIT4-E2  
Optional kit



SRC 40, 60 ZSX-W1  
SRC 50 ZSX-W2



\*optional

Compatible with **AIRZONE** systems

Indoor unit model	FDUM 40 VH		FDUM 50 VH		FDUM 60 VH	
Outdoor unit model	SRC 40 ZSX-W1		SRC 50 ZSX-W2		SRC 60 ZSX-W1	
Type	DC-Inverter heat pump					
<b>Nominal data</b>						
Rated capacity (T=+35°C)	Cooling	kW	4.00 (1.10~4.70)	5.00 (1.10~5.60)	5.60 (1.10~6.30)	
Rated absorbed power (T=+35°C)		kW	1.10	1.51	1.54	
Rated energy efficiency coefficient		EER1	3.62	3.31	3.64	
Rated capacity (T=+7°C)	Heating	kW	4.50 (0.60~5.40)	5.40 (0.60~6.30)	6.70 (0.60~7.10)	
Rated absorbed power (T=+7°C)		kW	1.10	1.59	1.75	
Rated energy performance coefficient		COP1	4.09	3.39	3.83	
<b>Seasonal data</b>						
Theoretical load (Pdesignc)	Cooling	kW	4.00	5.00	5.60	
Seasonal energy efficiency index		SEER2	6.11	5.82	6.43	
Seasonal energy efficiency class		626/20113	A++	A+	A++	
Annual energy consumption		kWh/a	230	301	305	
Theoretical load (Pdesignh) @-10°C	Heating (average climate conditions)	kW	3.00	3.70	4.70	
Seasonal energy efficiency index		SCOP2	3.81	3.89	4.37	
Seasonal energy efficiency class		626/20113	A	A	A+	
Annual energy consumption		kWh/a	1102	1332	1508	
<b>Electrical data</b>						
Power supply	Outdoor unit	Ph-V-Hz	1-220~240V-50Hz			
Power cable		Type	3 x 4 mm <sup>2</sup>	3 x 4 mm <sup>2</sup>	3 x 4 mm <sup>2</sup>	
Connection wires between I.U. and O.U.		no.	4	4	4	
Absorbed current	Cooling	A	5.10	6.90	6.80	
	Heating	A	5.00	7.20	7.80	
Maximum current		A	15.00	15.00	15.00	
Maximum absorbed power		kW	2.60	2.90	2.90	
<b>Refrigerant circuit</b>						
Refrigerant <sup>4</sup>	Type (GWP)	R32 (675)				
Quantity refrigerant pre-load	Kg	1.3				
Tons of CO2 equivalent	t	0.878				
Diameter of refrigerant piping on liquid/gas	mm (inches)	ø6.35(1/4") - ø12.74(1/2")		ø6.35(1/4") - ø12.74(1/2")		ø6.35(1/4") - ø12.74(1/2")
Max splitting length	m	30				
Max height difference I.U./O.U.	m	20				
Split length without additional charge	m	15				
Additional load	g/m	20				
<b>Indoor unit specifications</b>						
Dimensions	LxDxH	mm	750x635x280	750x635x280	950x635x280	
Net weight		Kg	29	29	34	
Sound power level	Max	dB(A)	60	60	60	
Sound pressure level	P-Hi/Hi/Me/Lo	dB(A)	37/32/29/26	37/32/29/26	36/31/28/25	
Treated air volume	P-Hi/Hi/Me/Lo	m <sup>3</sup> /h	780/600/540/480	780/600/540/480	1200/900/780/600	
Fan pressure head	Std/Max	Pa	35/100	35/100	35/100	
<b>Outdoor unit specifications</b>						
Dimensions	LxDxH	mm	800(+71)x290x640	800(+71)x290x640	800(+71)x290x640	
Net weight		Kg	45	45	45	
Sound power level	Max	dB(A)	63	63	65	
Sound pressure level	Max	dB(A)	52	52	54	
Treated air volume	Max	m <sup>3</sup> /h	1980	2340	2490	
Operating limits (outside temperature)	Cooling	°C	-15~+46			
	Heating	°C	-20~+20			
<b>Accessories</b>						
Wired remote control	RC-E5 (LCD) / RC-EX3A (touch) / RCH-E3 (simplified)					
IR remote control (KIT)	RCN-KIT4-E2					
<b>Optional parts</b>						
Wi-Fi module	INWFIMH1001R000					
Human sensor (KIT)	LB-KIT2					
SUPERLINK II interface	SC-ADNA-E					
Recovery filter (KIT)	UM-FL1EF					

1. Value measured according to the harmonised standard EN 14511. 2. EU Regulation No. 206/2012 -- Value measured according to the harmonised standard EN 14825. 3. Delegated Regulation (EU) No 626/2011 regarding the new energy labelling of air conditioners. 4. Refrigerant leakage contributes to climate change. When released into the atmosphere, refrigerants with a lower global warming potential (GWP) contribute less to global warming than those with a higher GWP. This appliance contains a refrigerant with a GWP of 675. If 1 kg of this refrigerant fluid were released into the atmosphere, therefore, the impact on global warming would be 675 times higher than 1 kg of CO2, over a period of 100 years. Under no circumstances should the user try to intervene on the refrigerant circuit or disassemble the product. Always contact qualified personnel if necessary.

## LIGHT COMMERCIAL

### Ceiling



FDE 40~60 VH



OPTIONAL



RCN-E-E3  
Optional kit



SRC 40, 60 ZSX-W1  
SRC 50 ZSX-W2



\*optional

Indoor unit model		FDE 40 VH		FDE 50 VH		FDE 60 VH	
Outdoor unit model		SRC 40 ZSX-W1		SRC 50 ZSX-W2		SRC 60 ZSX-W1	
Type		DC-Inverter heat pump					
<b>Nominal data</b>							
Rated capacity (T=+35°C)	Cooling	kW	4.00 (1.10~4.70)	5.00 (1.10~4.70)	5.60 (1.10~6.30)		
		kW	1.02	1.43	1.51		
		EER1	3.92	3.49	3.71		
Rated capacity (T=+7°C)	Heating	kW	4.50 (0.60~5.40)	5.40 (0.60~5.40)	6.70 (0.60~7.10)		
		kW	1.10	1.46	1.86		
		COP1	4.09	3.70	3.60		
<b>Seasonal data</b>							
Theoretical load (Pdesignc)	Cooling	kW	4.00	5.00	5.60		
		SEER2	A++	A++	A++		
		626/20113	6.46	6.15	6.72		
Theoretical load (Pdesignh) @-10°C	Heating (average climate conditions)	kW	3.00	3.80	4.50		
		SCOP2	4.02	4.07	4.41		
		626/20113	A+	A+	A+		
<b>Electrical data</b>							
Power supply	Outdoor unit	Ph-V-Hz	1-220~240V-50Hz				
Power cable		Type	3 x 4 mm <sup>2</sup>	3 x 4 mm <sup>2</sup>	3 x 4 mm <sup>2</sup>		
Connection wires between I.U. and O.U.		no.	4	4	4		
Absorbed current	Cooling	A	4.80	6.60	6.90		
	Heating	A	5.10	7.00	8.70		
Maximum current		A	15.00	15.00	15.00		
Maximum absorbed power		kW	2.60	2.90	2.90		
<b>Refrigerant circuit</b>							
Refrigerant <sup>4</sup>	Type (GWP)	R32 (675)					
Quantity refrigerant pre-load	Kg	1.3	1.3	1.3			
Tons of CO2 equivalent	t	0.878	0.878	0.878			
Diameter of refrigerant piping on liquid/gas	mm (inches)	ø6.35(1/4") - ø12.74(1/2")	ø6.35(1/4") - ø12.74(1/2")	ø6.35(1/4") - ø12.74(1/2")			
Max splitting length	m	30	30	30			
Max height difference I.U./O.U.	m	20	20	20			
Split length without additional charge	m	15	15	15			
Additional load	g/m	20	20	20			
<b>Indoor unit specifications</b>							
Dimensions	LxDxH	mm	1070x690x210	1070x690x210	1320x690x210		
Net weight		Kg	28	28	33		
Sound power level	Max	dB(A)	60	60	60		
Sound pressure level	P-Hi/Hi/Me/Lo	dB(A)	46/38/36/31	46/38/36/31	47/41/37/32		
Treated air volume	P-Hi/Hi/Me/Lo	m <sup>3</sup> /h	780/600/540/420	780/600/540/420	1200/960/780/600		
<b>Outdoor unit specifications</b>							
Dimensions	LxDxH	mm	800(+71)x290x640	800(+71)x290x640	800(+71)x290x640		
Net weight		Kg	45	45	45		
Sound power level	Max	dB(A)	63	63	65		
Sound pressure level	Max	dB(A)	52	52	54		
Treated air volume	Max	m <sup>3</sup> /h	1980	2340	2490		
Operating limits (outside temperature)	Cooling	°C	-15~+46				
	Heating	°C	-20~+20				
<b>Accessories</b>							
Wired remote control	RC-E5 (LCD) / RC-EX3A (touch) / RCH-E3 (simplified)						
IR remote control (KIT)	RCN-E-E3						
<b>Optional parts</b>							
Wi-Fi module	INWFIMHI001R000						
Human sensor (KIT)	LB-E						
SUPERLINK II interface	SC-ADNA-E						

1. Value measured according to the harmonised standard EN 14511. 2. EU Regulation No. 206/2012 -- Value measured according to the harmonised standard EN 14825. 3. Delegated Regulation (EU) No 626/2011 regarding the new energy labelling of air conditioners. 4. Refrigerant leakage contributes to climate change. When released into the atmosphere, refrigerants with a lower global warming potential (GWP) contribute less to global warming than those with a higher GWP. This appliance contains a refrigerant with a GWP of 675. If 1 kg of this refrigerant fluid were released into the atmosphere, therefore, the impact on global warming would be 675 times higher than 1 kg of CO2, over a period of 100 years. Under no circumstances should the user try to intervene on the refrigerant circuit or disassemble the product. Always contact qualified personnel if necessary.

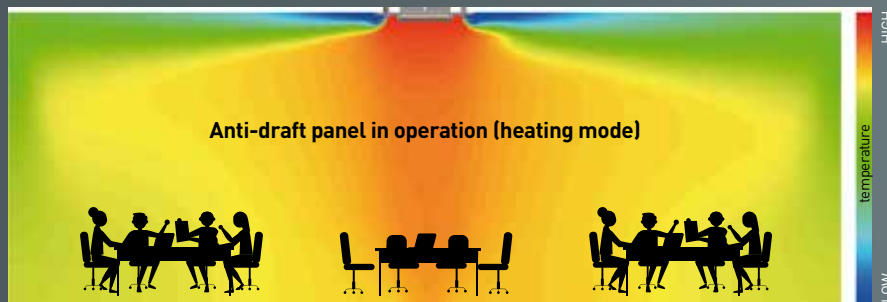
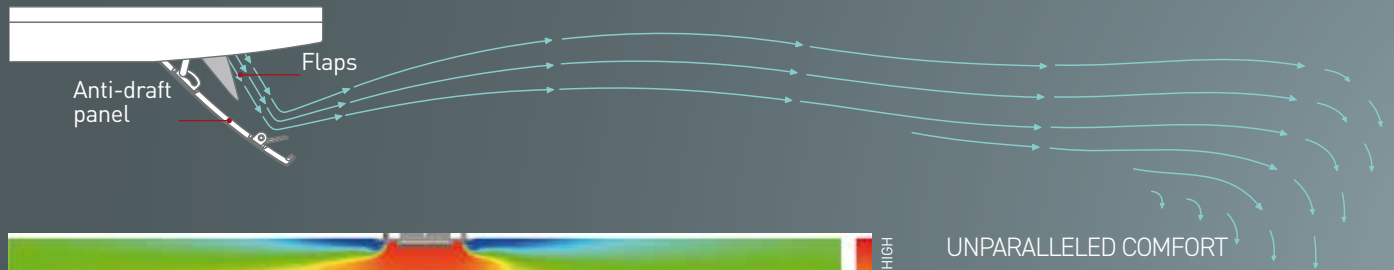


# FDTC AND FDT CASSETTE

## Anti-draft panel (optional)

Flexible flap control to prevent direct currents.

4 extra flaps, individually controlled in each operating mode: they change the direction of the air flow and prevent the unpleasant sensation of direct currents.

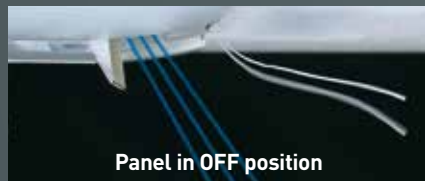


### UNPARALLELED COMFORT

The anti-draft panel ensures a uniform air flow and a comfortable temperature in the room, both in cooling and in heating: it can be controlled to instantly eliminate any air currents that are too cold or too hot.

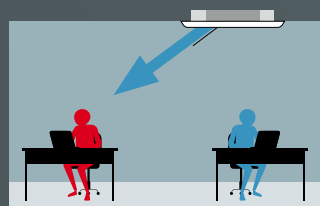
Furthermore, the panel helps the unit to aim the air flow for correct and uniform diffusion in the room.

The additional flaps are closed when the unit is not running.



## Individual control of the four flaps (standard and anti-draft panels)

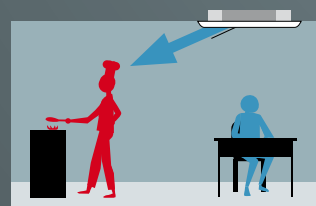
The flap control system lets you direct the air flow as needed



To reach people further away from the unit.



To reach only people who are feeling too hot or too cold.



To reach the warmest parts of the room.

### NOTE

The flaps cannot be controlled individually using the IR remote control.

# FDTC CASSETTE 60x60

## Ultra-compact design

FDTC weighs just 14 kg. The height of the thin panel and the main body is just 248 mm, allowing for very simple installation.

Measurements reduced to 620 mm, ideal for application in European modular ceilings.

JUST 10 MM THICK

The FDTC panel perfectly adheres to the ceiling because it only protrudes 10 mm.

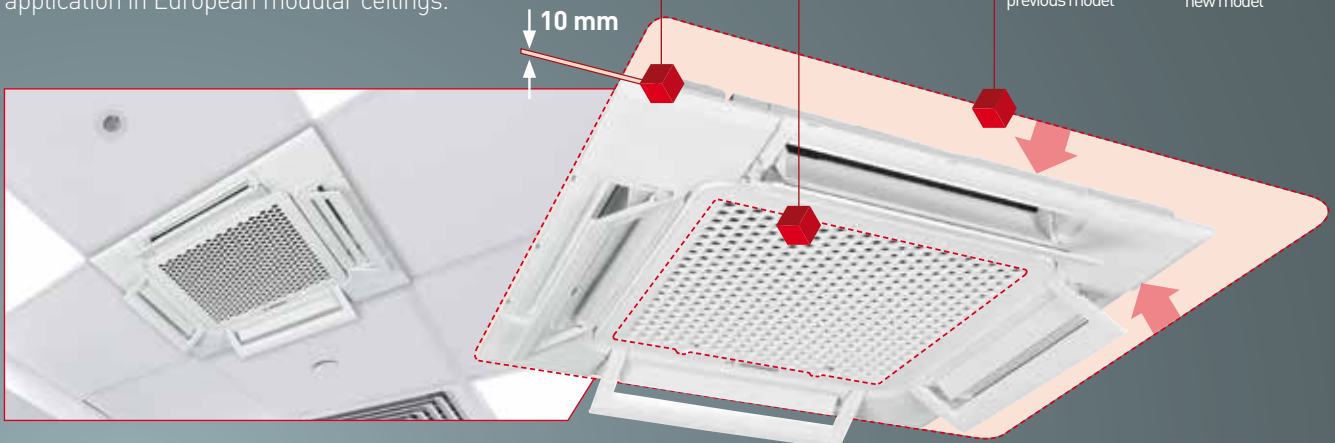
HONEYCOMB GRILLE

New grille design.

VERY COMPACT DESIGN

The panel dimensions adapt perfectly to European modular ceiling lattices.

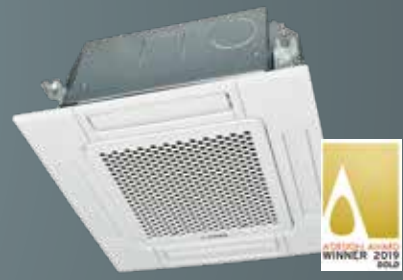
 700 mm → 620 mm  
previous model      new model



## Standard linear and honeycomb panels



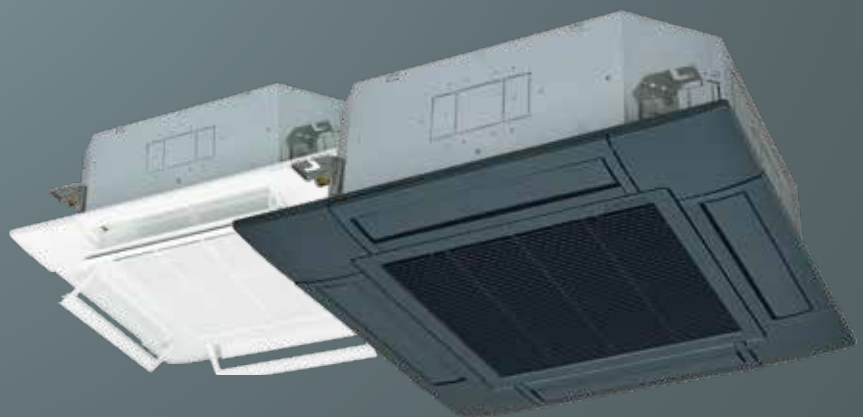
Standard linear panel



Standard honeycomb panel

# FDT CASSETTE 84x84

Black and white colors of the standard and anti-draft panels, to expand the design possibilities in shops, offices and restaurants.



Anti-draft white panel

Standard black panel

## LIGHT COMMERCIAL

### Cassette 60x60



OPTIONAL



FDTC 25-35 VH1/FDTC 40-60 VH  
Standard honeycomb panel  
TC-PSA-5AW-E

FDTC 25-35 VH1/FDTC 40-60 VH  
Anti-draft honeycomb panel  
TC-PSAE-5AW-E

FDTC 25-35 VH1/FDTC 40-60 VH  
Standard linear panel  
TC-PSAG-5AW-E

FDTC 25-35 VH1/FDTC 40-60 VH  
Anti-draft linear panel  
TC-PSAGE-5AW-E



\*optional

Indoor unit model		FDTC 25 VH1	FDTC 35 VH1	FDTC 40 VH	FDTC 50 VH	FDTC 60 VH	
Outdoor unit model		SRC 25 ZS-W2	SRC 35 ZS-W2	SRC 40 ZSX-W1	SRC 50 ZSX-W2	SRC 60 ZSX-W1	
Type		DC-Inverter heat pump					
<b>Nominal data</b>							
Rated capacity (T=+35°C)	Cooling	kW	2.50 (0.90~3.20)	3.50 (0.90~4.30)	4.00 (1.10~4.70)	5.00 (1.10~5.60)	5.60 (1.10~6.30)
		kW	0.61 (0.18~0.98)	0.91 (0.18~1.37)	0.98	1.40	1.73
		EER1	4.10	3.85	4.08	3.58	3.23
Rated capacity (T=+7°C)	Heating	kW	2.90 (0.90~4.00)	4.25 (0.9~5.6)	4.50 (0.60~5.40)	5.40 (0.60~6.30)	6.70 (0.60~6.70)
		kW	0.71 (0.19~1.31)	1.15 (0.19~1.33)	1.13	1.53	2.14
		COP1	4.08	3.70	3.98	3.53	3.13
<b>Seasonal data</b>							
Theoretical load (Pdesignc)	Cooling	kW	2.50	3.50	4.00	5.00	5.60
		SEER2	6.80	7.10	6.94	6.52	6.45
		626/20113	A++	A++	A++	A++	A++
Annual energy consumption	Heating (average climate conditions)	kWh/a	129	173	202	269	304
		kW	2.40	2.90	4.00	4.30	5.10
		SCOP2	4.00	4.60	4.37	4.30	4.10
626/20113	A+	A++	A+	A+	A+		
	kWh/a	840	883	1283	1401	1744	
<b>Electrical data</b>							
Power supply	Outdoor unit	Ph-V-Hz	1-220~240V-50Hz				
Power cable	Type	3 x 2.5 mm <sup>2</sup>	3 x 2.5 mm <sup>2</sup>	3 x 4 mm <sup>2</sup>	3 x 4 mm <sup>2</sup>	3 x 4 mm <sup>2</sup>	
Connection wires between I.U. and O.U.	no.	4	4	4	4	4	
Absorbed current	Cooling	A	3.10	4.30	4.30	6.20	7.60
	Heating	A	3.40	5.30	5.00	6.70	9.40
Maximum current	A	9.00	9.00	15.00	15.00	15.00	
Maximum absorbed power	kW	1.65	1.65	2.60	2.90	2.90	
<b>Refrigerant circuit</b>							
Refrigerant <sup>4</sup>	Type (GWP)	R32 (675)					
Quantity refrigerant pre-load	Kg	0.62	0.78	1.3	1.3	1.3	
Tons of CO2 equivalent	t	0.419	0.527	0.878	0.878	0.878	
Diameter of refrigerant piping on liquid/gas	mm (inches)	ø6.35(1/4") - ø9.52(3/8")	ø6.35(1/4") - ø9.52(3/8")	ø6.35(1/4") - ø12.74(1/2")	ø6.35(1/4") - ø12.74(1/2")	ø6.35(1/4") - ø12.74(1/2")	
Max splitting length	m	20	20	30	30	30	
Max height difference I.U./O.U.	m	10	10	20	20	20	
Split length without additional charge	m	15	15	15	15	15	
Additional load	g/m	20	20	20	20	20	
<b>Indoor unit specifications</b>							
Dimensions	LxDxH	mm	570x570x248	570x570x248	570x570x248	570x570x248	
Net weight	Kg	13.5	13.5	14	14	14	
Sound power level	Max	dB(A)	52	53	59	59	
Sound pressure level	P-Hi/Hi/Me/Lo	dB(A)	39/36/32/28	41/38/34/30	44/40/35/27	44/40/35/27	46/42/38/31
Treated air volume (P-Hi/Hi/Me/Lo)	Cooling	m <sup>3</sup> /h	510/450/420/360	540/480/450/390	780/660/540/420	780/660/540/420	840/720/600/480
	Heating	m <sup>3</sup> /h	570/510/450/390	600/540/480/420			
<b>Outdoor unit specifications</b>							
Dimensions	LxDxH	mm	780(+62)x290x540	780(+62)x290x540	800(+71)x290x640	800(+71)x290x640	
Net weight	Kg	31	31	34.5	45	45	
Sound power level	Max	dB(A)	59	62	63	63	
Sound pressure level	Max	dB(A)	47	50	52	52	
Treated air volume	Max	m <sup>3</sup> /h	1644	1890	1980	2340	
Operating limits (outside temperature)	Cooling	°C	-15~+46				
	Heating	°C	-20~+20				
<b>Accessories</b>							
<b>Standard panel</b>			TC-PSA-5AW-E (honeycomb) / TC-PSAG-5AW-E (linear)				
Dimensions	LxDxH	mm	620x620x10	620x620x10	620x620x10	620x620x10	
Net weight	Kg	2.5	2.5	2.5	2.5	2.5	
Wired remote control	RC-E5 (LCD) / RC-EX3A (touch) / RCH-E3 (simplified)						
IR remote control (corner KIT)	RCN-TC-5AW-E3						
<b>Optional parts</b>							
Wi-Fi module	INWFIMH1001R000						
Human sensor (corner KIT)	LB-TC-SW-E						
SUPERLINK II interface	SC-ADNA-E						
Anti-draft panel	TC-PSAE-5AW-E (honeycomb) / TC-PSAGE-5AW-E (linear)						

1. Value measured according to the harmonised standard EN 14511. 2. EU Regulation No. 206/2012 -- Value measured according to the harmonised standard EN 14825. 3. Delegated Regulation (EU) No 626/2011 regarding the new energy labelling of air conditioners. 4. Refrigerant leakage contributes to climate change. When released into the atmosphere, refrigerants with a lower global warming potential (GWP) contribute less to global warming than those with a higher GWP. This appliance contains a refrigerant with a GWP of 675. If 1 kg of this refrigerant fluid were released into the atmosphere, therefore, the impact on global warming would be 675 times higher than 1 kg of CO<sub>2</sub> over a period of 100 years. Under no circumstances should the user try to intervene on the refrigerant circuit or disassemble the product. Always contact qualified personnel if necessary.

# LIGHT COMMERCIAL

## Cassette 84x84

# R32



FDT 40~60 VH  
Standard white panel  
T-PSA-5BW-E

FDT 40~60 VH  
Anti-draft white panel  
T-PSAE-5BW-E

FDT 40~60 VH  
Standard black panel  
T-PSA-5BB-E

FDT 40~60 VH  
Standard black panel  
T-PSAE-5BB-E



Indoor unit model		FDT 40 VH		FDT 50 VH		FDT 60 VH	
Outdoor unit model		SRC 40 ZSX-W1		SRC 50 ZSX-W2		SRC 60 ZSX-W1	
Type		DC-Inverter heat pump					
<b>Nominal data</b>							
Rated capacity (T=+35°C)	Cooling	kW	4.00 (1.10~4.70)	5.00 (1.10~5.60)	5.60 (1.10~6.30)		
Rated absorbed power (T=+35°C)		kW	0.89	1.29	1.33		
Rated energy efficiency coefficient		EER1	4.49	3.88	4.21		
Rated capacity (T=+7°C)	Heating	kW	4.50 (0.60~5.40)	5.40 (0.60~6.30)	6.70 (0.60~6.70)		
Rated absorbed power (T=+7°C)		kW	1.03	1.31	1.56		
Rated energy performance coefficient		COP1	4.37	4.12	4.29		
<b>Seasonal data</b>							
Theoretical load (Pdesignc)	Cooling	kW	4.00	5.00	5.60		
Seasonal energy efficiency index		SEER2	8.63	7.93	8.74		
Seasonal energy efficiency class		626/20113	A+++	A++	A+++		
Annual energy consumption		kWh/a	163	221	225		
Theoretical load (Pdesignh) @-10°C	Heating (average climate conditions)	kW	3.90	4.00	5.20		
Seasonal energy efficiency index		SCOP2	4.62	4.63	5.00		
Seasonal energy efficiency class		626/20113	A++	A++	A++		
Annual energy consumption		kWh/a	1167	1210	1455		
<b>Electrical data</b>							
Power supply	Outdoor unit	Ph-V-Hz	1-220~240V-50Hz				
Power cable		Type	3 x 4 mm <sup>2</sup>	3 x 4 mm <sup>2</sup>	3 x 4 mm <sup>2</sup>		
Connection wires between I.U. and O.U.		no.	4	4	4		
Absorbed current	Cooling	A	4.00	5.80	5.90		
	Heating	A	4.60	5.90	6.90		
Maximum current		A	15.00	15.00	15.00		
Maximum absorbed power		kW	2.60	2.90	2.90		
<b>Refrigerant circuit</b>							
Refrigerant <sup>4</sup>	Type (GWP)	R32 (675)					
Quantity refrigerant pre-load	Kg	1.3					
Tons of CO2 equivalent	t	0.878					
Diameter of refrigerant piping on liquid/gas	mm (inches)	ø6.35(1/4") - ø12.74(1/2")		ø6.35(1/4") - ø12.74(1/2")		ø6.35(1/4") - ø12.74(1/2")	
Max splitting length	m	30					
Max height difference I.U./O.U.	m	20					
Split length without additional charge	m	15					
Additional load	g/m	20					
<b>Indoor unit specifications</b>							
Dimensions	LxDxH	mm	840x840x236	840x840x236	840x840x236		
Net weight		Kg	19	19	21		
Sound power level	Max	dB(A)	50	56	59		
Sound pressure level (P-Hi/Hi/Me/Lo)	Cooling	dB(A)	36/33/30/26	41/33/30/26	44/34/30/27		
	Heating	dB(A)	36/33/28/20	42/33/28/20	44/34/30/23		
Treated air volume	P-Hi/Hi/Me/Lo	m <sup>3</sup> /h	1140/960/780/600	1320/960/780/600	1560/1020/840/660		
<b>Outdoor unit specifications</b>							
Dimensions	LxDxH	mm	800(+71)x290x640	800(+71)x290x640	800(+71)x290x640		
Net weight		Kg	45	45	45		
Sound power level	Max	dB(A)	63	63	65		
Sound pressure level	Max	dB(A)	52	52	54		
Treated air volume	Max	m <sup>3</sup> /h	1980	2340	2490		
Operating limits (outside temperature)	Cooling	°C	-15~+46				
	Heating	°C	-20~+20				
<b>Accessories</b>							
<b>Standard panel</b>				T-PSA-5BW-E (white) / T-PSA-5BB-E (black)			
Dimensions	LxDxH	mm	950x950x35	950x950x35	950x950x35		
Net weight		Kg	5	5	5		
Wired remote control	RC-E5 (LCD) / RC-EX3A (touch) / RCH-E3 (simplified)						
IR remote control (corner KIT)	RCN-T-5BW-E2 (white) / RCN-T-5BB-E2 (black)						
<b>Optional parts</b>							
Wi-Fi module	INWFIMH1001R000						
Human sensor (corner KIT)	LB-T-5BW-E (white) / LB-T-5BB-E (black)						
SUPERLINK II interface	SC-ADNA-E						
Anti-draft panel	T-PSAE-5BW-E (white) / T-PSAE-5BB-E (black)						

1. Value measured according to the harmonised standard EN 14511. 2. EU Regulation No. 206/2012 -- Value measured according to the harmonised standard EN 14825. 3. Delegated Regulation (EU) No 626/2011 regarding the new energy labelling of air conditioners. 4. Refrigerant leakage contributes to climate change. When released into the atmosphere, refrigerants with a lower global warming potential (GWP) contribute less to global warming than those with a higher GWP. This appliance contains a refrigerant with a GWP of 675. If 1 kg of this refrigerant fluid were released into the atmosphere, therefore, the impact on global warming would be 675 times higher than 1 kg of CO2, over a period of 100 years. Under no circumstances should the user try to intervene on the refrigerant circuit or disassemble the product. Always contact qualified personnel if necessary.

# Only in

DC Inverter heat pump  
without outdoor unit.  
Cool in the summer. Warm in the  
winter. Design all year long.

“Only in”, the heat pump without outdoor unit combines the evaporating and condensing part in a single unit, normally divided into traditional splits composed by two units. “Only in” air conditions in summer and heats in winter, for comfort all year round.

## The advantages of “Only In”

### ■ Ideal for historical buildings

Since it has no outdoor unit, its installation does not compromise the aesthetics of the building’s façade. Its modern, essential design with a depth of only 17 cm adapts to all types of interiors, for air conditioning “without architectural barriers.”

### ■ Low consumption

DC Inverter technology makes “Only in” consumption very low. Once the desired temperature has been reached, the units run at minimum power, reducing air outlet speed in the environment, thus significantly reducing electrical consumption.

### ■ Less Maintenance

Practically no maintenance is required since the cooling circuit is “sealed” and therefore free of any refrigerant pipes.



TTWIS 2350 X-1  
A+/A

### ■ Quiet

Thanks to the power used, the internal layout and skilful use of soundproofing materials, “Only in” offers exceptional levels of quiet: it is difficult to tell it apart from a normal wall split unit.

### ■ Easy to install

Without an outdoor unit, it can be easily installed on any perimeter wall, even without the presence of a qualified refrigeration installer. Simply drill two 16.2 cm diameter holes in the wall. No need to then lay any pipes which normally connect the indoor and outdoor units.





# AIR CONDITIONER WITHOUT OUTDOOR UNIT

## Remote and on-board control

"Only in" is equipped with a practical, functional remote control. A convenient control panel is also present on-board the machine, from where all settings can be made including the "LOCK" function which locks the keyboard. The "heating" function can also be deactivated from the control panel. "Only in" therefore can operate only in "cold" and can be installed without a condensate drain pipe.



## Retractable outer grilles

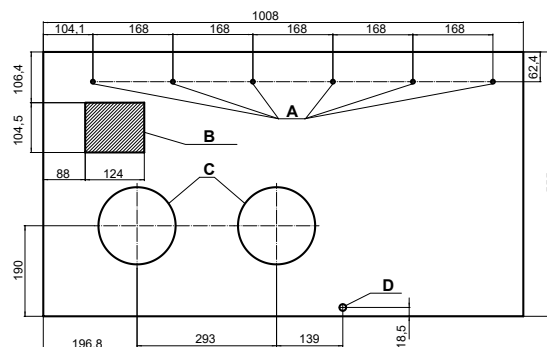
The tilting outer grilles open only when the unit is running. This guarantees better indoor comfort as it reduces the entry of dust, noise and pollution and requires less maintenance and even less visibility outside. The outer grilles can be painted with the same colour as the façade to almost completely hide its installation.



## Technical installation information

- A** Holes for M8 plugs
- B** Area for electrical connection
- C** Holes for Ø160 mm air ducting
- D** Ø14 mm condensate drain

Assembly template, support bracket, pipes for holes and outer grilles are contained inside packaging.




















Model		TTWIS 2350 X-1	
Type		Monobloc double duct - DC-Inverter heat pump	
Control		Panel + Remote control	
Rated capacity (T=+35°C)	Cooling	kW	2.35
Rated capacity (Dual-Power function)		kW	3.10
Rated absorbed power		kW	0.73
Rated energy efficiency coefficient		EER <sup>1</sup>	3.22
Seasonal energy efficiency class		626/20112	A+
Dehumidifying capacity		L/h	1.1
Rated capacity (T=+7°C)	Heating	kW	2.36
Rated capacity (Dual-Power function)		kW	3.05
Rated absorbed power		kW	0.72
Rated energy efficiency coefficient		COP <sup>1</sup>	3.28
Seasonal energy efficiency class		626/20112	A
<b>Electrical data</b>			
Power		Ph-V-Hz	1Ph - 220/240V - 50Hz
MAX absorbed current		A	3.40
<b>Refrigerant circuit</b>			
Refrigerant <sup>3</sup>		Type (GWP)	R410A (2088)
Quantity (tons CO <sub>2</sub> )		kg (t)	0.65 (1.357)
<b>Product specifications</b>			
Dimensions	LxDxH	mm	1030x555x170
Net weight		kg	41
Sound power level		dB(A)	58
Sound pressure level	Hi-Lo	dB(A)	41-27
Treated air volume (indoor/outdoor)	Hi	m <sup>3</sup> /h	400/480
	Mi	m <sup>3</sup> /h	320/390
	Lo	m <sup>3</sup> /h	270/340
Operating limit (indoor environment)	Cooling	°C	18~32
	Heating	°C	5~25
Operating limit (outdoor environment)	Cooling	°C	-5~45
	Heating	°C	-12~18
<b>Installation</b>			
Wall hole diameter		mm	162
Wall hole distance		mm	293
<b>Optional parts</b>			
Decorative foot kit			TWIS 2200 CINF

<sup>1</sup> Value measured according to the harmonised standard EN 14511. <sup>2</sup> Delegated Regulation (EU) No 626/2011 regarding the new energy labelling of air conditioners. <sup>3</sup> Refrigerant leakage contributes to climate change. When released into the atmosphere, refrigerants with a lower global warming potential (GWP) contribute less to global warming than those with a higher GWP. This appliance contains a refrigerant with a GWP of 2088. If 1 kg of this refrigerant fluid were released into the atmosphere, therefore, the impact on global warming would be 2088 times higher than 1 kg of CO<sub>2</sub> over a period of 100 years. Under no circumstances should the user try to intervene on the refrigerant circuit or disassemble the product. Always contact qualified personnel if necessary.

# RESIDENTIAL MULTISPLIT R32

R32

		kW	3.00	4.00	4.50	4.00	5.00	6.00	7.10	8.00	10.00
No. connectable indoor units			2-2	2-2	2-2	2-3	2-3	2-3	2-4	2-4	2-5
			<b>NEW</b>			<b>NEW</b>					
											
			SCM 30 ZS-W	SCM 40 ZS-W	SCM 45 ZS-W	SCM 41 ZS-W	SCM 50 ZS-W	SCM 60 ZS-W	SCM 71 ZS-W	SCM 80 ZS-W	SCM 100 ZS-W
	SRK 20 ZSX-WF(T)			✓	✓		✓	✓	✓	✓	✓
	SRK 25 ZSX-WF(T)			✓	✓		✓	✓	✓	✓	✓
	SRK 35 ZSX-WF(T)			✓	✓		✓	✓	✓	✓	✓
	SRK 50 ZSX-WF(T)						✓	✓	✓	✓	✓
	SRK 60 ZSX-WF(T)							✓	✓	✓	✓
	SRK 15 ZS-WF(T)	✓				✓					
	SRK 20 ZS-WF(T)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	SRK 25 ZS-WF(T)	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	SRK 35 ZS-WF(T)		✓	✓	✓	✓	✓	✓	✓	✓	✓
	SRK 50 ZS-WF(T)						✓	✓	✓	✓	✓
	SRK 71 ZR-WF								✓	✓	✓
	SRK 80 ZR-WF										✓
	SKM 15 ZSP-W	✓				✓					
	SKM 20 ZSP-W	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	SKM 25 ZSP-W	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
	SKM 35 ZSP-W		✓	✓	✓	✓	✓	✓	✓	✓	✓
	SRF 25 ZS-W		✓	✓	✓	✓	✓	✓	✓	✓	✓
	SRF 35 ZS-W		✓	✓	✓	✓	✓	✓	✓	✓	✓
	SRK 50 ZSX-W						✓	✓	✓	✓	✓
	SRR 25 ZS-W		✓	✓	✓	✓	✓	✓	✓	✓	✓
	SRR 35 ZS-W		✓	✓	✓	✓	✓	✓	✓	✓	✓
	SRR 50 ZS-W						✓	✓	✓	✓	✓
	SRR 60 ZS-W							✓	✓	✓	✓
	FDUM 50 VH						✓	✓	✓	✓	✓
	FDE 50 VH						✓	✓	✓	✓	✓
	FDTC 25 VH1		✓	✓	✓	✓	✓	✓	✓	✓	✓
	FDTC 35 VH1		✓	✓	✓	✓	✓	✓	✓	✓	✓
	FDTC 50 VH						✓	✓	✓	✓	✓
	FDTC 60 VH							✓	✓	✓	✓

## HIGH PERFORMANCE

Outdoor unit	EER*	COP*	SEER*	SCOP*
SCM 30 ZS-W	<b>5.77</b>	<b>5.41</b>	<b>8.60 / A+++</b>	<b>4.80 / A++</b>
SCM 40 ZS-W	<b>5.00</b>	<b>5.42</b>	<b>9.10 / A+++</b>	<b>4.70 / A++</b>
SCM 45 ZS-W	<b>4.69</b>	<b>5.00</b>	<b>9.10 / A+++</b>	<b>4.70 / A++</b>
SCM 41 ZS-W	<b>5.56</b>	<b>5.56</b>	<b>9.20 / A+++</b>	<b>4.60 / A++</b>
SCM 50 ZS-W	<b>4.90</b>	<b>5.17</b>	<b>8.80 / A+++</b>	<b>4.60 / A++</b>
SCM 60 ZS-W	<b>4.55</b>	<b>4.86</b>	<b>8.80 / A+++</b>	<b>4.60 / A++</b>
SCM 71 ZS-W	<b>5.00</b>	<b>4.91</b>	<b>8.30 / A++</b>	<b>4.60 / A++</b>
SCM 80 ZS-W	<b>4.71</b>	<b>4.77</b>	<b>8.20 / A++</b>	<b>4.60 / A++</b>
SCM 100 ZS-W	<b>3.70</b>	<b>4.41</b>	<b>8.60 / A+++</b>	<b>4.50 / A+</b>

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

## OPERATING RANGE

**-15°C / +46°C**  
cooling operation

## OPERATING RANGE

**-15°C / +24°C**  
in heating

## HIGHLY COMPACT

High compactness for models 3.00 to 6.00 kW. Easy installation.

### SCM 30-40-45 ZS-W



### SCM 41-50-60 ZS-W



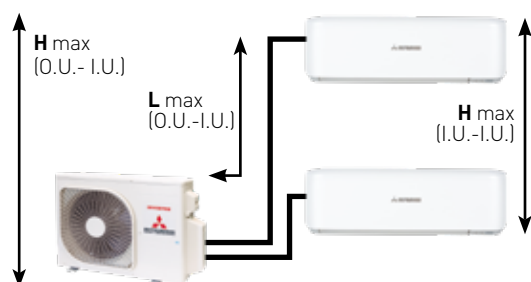
### SCM 71-80 ZS-W



### SCM 100 ZS-W



## INSTALLATION FLEXIBILITY



### SCM 30-40-45 ZS-W

L	TOT PIPING	= 30 m
L	MAX O.U.-I.U.	= 25 m
H	MAX O.U.-I.U.	= 15 m
H	MAX I.U.-I.U.	= 25 m

### SCM 41-50-60 ZS-W

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

### SCM 71-80 ZS-W

L	TOT PIPING	= 70 m
L	MAX O.U.-I.U.	= 25 m
H	MAX O.U.-I.U.	= 20 m
H	MAX I.U.-I.U.	= 25 m

### SCM 100 ZS-W

L	TOT PIPING	= 75 m
L	MAX O.U.-I.U.	= 25 m
H	MAX O.U.-I.U.	= 20 m
H	MAX I.U.-I.U.	= 25 m

# OUTDOOR UNITS

NEW



SCM 30-40-45 ZS-W



SCM 41-50-60 ZS-W

Model		SCM 30 ZS-W	SCM 40 ZS-W	SCM 45 ZS-W	SCM 41 ZS-W	SCM 50 ZS-W	SCM 60 ZS-W
<b>Type</b>		<b>Outdoor DC-Inverter heat pump unit</b>					
<b>Connectable indoor units (min - max)</b>		no. 2-2		2-2		2-3	
I.U. connectable rated capacity min/max		kW 3.00-5.00		4.00-6.00		4.50-7.00	
<b>Nominal data</b>							
Rated capacity (T=+35°C)	Cooling	kW		3.00 (1.40~5.00)		4.00 (1.50~5.90)	
		kW		0.52 (0.32~1.60)		0.80 (0.34~2.10)	
		EER1		5.77		5.00	
Rated capacity (T=+7°C)	Heating	kW		4.00 (1.00~5.70)		4.50 (1.00~6.50)	
		kW		0.74 (0.25~1.49)		0.83 (0.25~1.48)	
		COP1		5.41		5.42	
<b>Seasonal data</b>							
Theoretical load (Pdesignc)	Cooling	kW		3.00		4.00	
		SEER2		8.60		9.10	
		626/20113		A+++		A+++	
Annual energy consumption	Cooling	kWh/a		123		154	
		kW		3.30		4.10	
		SCOP2		4.80		4.70	
Theoretical load (Pdesignh) @-10°C	Heating (average climate conditions)	kW		3.30		4.10	
		626/20113		A++		A++	
		kWh/a		962		1222	
<b>Electrical data</b>							
Power supply	Ph-V-Hz	1-220~240V-50Hz					
Power cable	Type	3 x 4 mm <sup>2</sup>		3 x 4 mm <sup>2</sup>		3 x 4 mm <sup>2</sup>	
Connection wires between I.U. and O.U.	no.	4		4		4	
Absorbed current	Cooling	A 2.50		A 3.50		A 4.30	
	Heating	A 3.40		A 3.70		A 4.70	
Maximum current	A	14.00		14.00		15.00	
<b>Refrigerant circuit</b>							
Refrigerant <sup>4</sup>	Type (GWP)	R32 (675)					
Quantity refrigerant pre-load	Kg	1.25		1.4		1.6	
Tons of CO2 equivalent	t	0.844		0.945		1.080	
Diameter of refrigerant piping	Liquid	mm		ø6.35 (1/4") x 2		ø6.35 (1/4") x 3	
	Gas	mm		ø9.52 (3/8") x 2		ø9.52 (3/8") x 3	
Total splitting length	m	30		30		40	
Max length of a single refrigeration line	m	25		25		25	
Max height difference I.U./O.U.	m	15		15		15	
Max height difference between I.U.	m	25		25		25	
Splitting length without additional load	m	30		20		40	
Additional load per metre of splitting	g/m	20		20		20	
<b>Product specifications</b>							
Dimensions	LxDxH	mm 780(+90)x290x595		780(+90)x290x595		780(+90)x290x595	
Net weight	Kg	35.5		40		42.5	
Sound power level	Max	dB(A) 64		64		64	
	Silent mode	dB(A) 45		46		44	
Sound pressure level	Max	dB(A) 51		51		52	
	Silent mode	dB(A) 45		46		44	
Treated air volume	Max	m <sup>3</sup> /h 1950		1950		2460	
Operating limits (outside temperature)	Cooling	°C -15~46					
	Heating	°C -15~24					

1. Value measured according to the harmonised standard EN 14511. 2. EU Regulation No. 206/2012 -- Value measured according to the harmonised standard EN 14825. The values refer to the following combinations: **SCM 30 ZS-W** + 2 x SRK 15 ZS-WF / **SCM 40 ZS-W** + 2 x SRK 20 ZSX-W / **SCM 45 ZS-W** + SRK 20 ZSX-W + SRK 25 ZSX-W / **SCM 41 ZS-W** + 3 x SRK 15 ZS-WF / **SCM 50 ZS-W** + 3 x SRK 20 ZSX-W / **SCM 60 ZS-W** + 3 x SRK 20 ZSX-W.  
 3. Delegated Regulation (EU) No 626/2011 regarding the new energy labelling of air conditioners. 4. Refrigerant leakage contributes to climate change. When released into the atmosphere, refrigerants with a lower global warming potential (GWP) contribute less to global warming than those with a higher GWP. This appliance contains a refrigerant with a GWP of 675. If 1 kg of this refrigerant fluid were released into the atmosphere, therefore, the impact on global warming would be 675 times higher than 1 kg of CO<sub>2</sub>, over a period of 100 years. Under no circumstances should the user try to intervene on the refrigerant circuit or disassemble the product. Always contact qualified personnel if necessary.

# OUTDOOR UNITS

# R32



SCM 71-80 ZS-W



SCM 100 ZS-W

Model		SCM 71 ZS-W		SCM 80 ZS-W		SCM 100 ZS-W	
<b>Type</b>		<b>Outdoor DC-Inverter heat pump unit</b>					
<b>Connectable indoor units (min - max)</b>		<b>no.</b>	2 - 4		2 - 4		* 2 - 5
I.U. connectable rated capacity min/max		<b>kW</b>	7.00 - 12.50		8.00 - 13.50		9.00 - 16.00
<b>Nominal data</b>							
Rated capacity (T=+35°C)	Cooling	<b>kW</b>	7.10 (1.80~8.80)		8.00 (1.80~9.20)		10.00 (1.70~11.50)
		<b>kW</b>	1.42 (0.48~2.75)		1.70 (0.48~2.83)		2.70 (0.48~3.65)
		<b>EER1</b>	5.00		4.71		3.70
Rated capacity (T=+7°C)	Heating	<b>kW</b>	8.60 (1.10~9.40)		9.30 (1.10~9.80)		10.50 (0.90~11.50)
		<b>kW</b>	1.75 (0.35~3.00)		1.95 (0.35~3.12)		2.38 (0.37~2.90)
		<b>COP1</b>	4.91		4.77		4.41
<b>Seasonal data</b>							
Theoretical load (Pdesignc)	Cooling	<b>kW</b>	7.10		8.00		10.00
		<b>SEER2</b>	8.30		8.20		8.60
		<b>626/20113</b>	A++		A++		A+++
Annual energy consumption	Heating (average climate conditions)	<b>kWh/a</b>	300		342		407
		<b>kW</b>	6.70		6.70		6.80
		<b>SCOP2</b>	4.60		4.60		4.50
Theoretical load (Pdesignh) @-10°C	Heating (average climate conditions)	<b>626/20113</b>	A++		A++		A+
		<b>kWh/a</b>	2038		2038		2116
		<b>kWh/a</b>	2038		2038		2116
<b>Electrical data</b>							
Power supply		<b>Ph-V-Hz</b>	1-220~240V-50Hz				
Power cable		<b>Type</b>	3 x 4 mm <sup>2</sup>		3 x 4 mm <sup>2</sup>		3 x 4 mm <sup>2</sup>
Connection wires between I.U. and O.U.		<b>no.</b>	4		4		4
Absorbed current	Cooling	<b>A</b>	6.20		7.50		11.90
	Heating	<b>A</b>	7.80		8.60		10.50
Maximum current		<b>A</b>	20.00		20.00		21.00
<b>Refrigerant circuit</b>							
Refrigerant <sup>4</sup>		<b>Type (GWP)</b>	R32 (675)				
Quantity refrigerant pre-load		<b>Kg</b>	2.55		2.55		2.98
Tons of CO2 equivalent		<b>t</b>	1.721		1.721		2.012
Diameter of refrigerant piping	Liquid	<b>mm</b>	ø6.35 (1/4") x 4		ø6.35 (1/4") x 4		ø6.35 (1/4") x 5
	Gas	<b>mm</b>	ø9.52 (3/8") x 4		ø9.52 (3/8") x 4		ø9.52 (3/8") x 5
Total splitting length		<b>m</b>	70		70		75
Max length of a single refrigeration line		<b>m</b>	25		25		25
Max height difference I.U./O.U.		<b>m</b>	20		20		20
Max height difference between I.U.		<b>m</b>	25		25		25
Splitting length without additional load		<b>m</b>	30		30		40
Additional load per metre of splitting		<b>q/m</b>	20		20		20
<b>Product specifications</b>							
Dimensions		<b>LxDxH</b>	mm 880(+73)x340x750		880(+73)x340x750		970(+73)x370x945
Net weight		<b>Kg</b>	61		61		73
Sound power level	Max	<b>dB(A)</b>	67		67		72
	Max	<b>dB(A)</b>	54		54		59
Sound pressure level	Silent mode	<b>dB(A)</b>	50		50		50
	Max	<b>m<sup>3</sup>/h</b>	3360		3360		4500
Treated air volume	Cooling	<b>°C</b>	-15~46		-15~46		
	Heating	<b>°C</b>	-15~24		-15~24		

\* The combinations with 2 indoor units have many limitations. Always check the proposed combination with our technical office.

1. Value measured according to the harmonised standard EN 14511. 2. EU Regulation No. 206/2012 -- Value measured according to the harmonised standard EN 14825.

The values refer to the following combinations: **SCM 71 ZS-W** + 4 x SRK 20 ZSX-W / **SCM 80 ZS-W** + 4 x SRK 20 ZSX-W / **SCM 100 ZS-W** + 5 x SRK 20 ZSX-W. 3. Delegated Regulation (EU) No 626/2011 regarding the new energy labelling of air conditioners. 4. Refrigerant leakage contributes to climate change. When released into the atmosphere, refrigerants with a lower global warming potential (GWP) contribute less to global warming than those with a higher GWP. This appliance contains a refrigerant with a GWP of 675. If 1 kg of this refrigerant fluid were released into the atmosphere, therefore, the impact on global warming would be 675 times higher than 1 kg of CO<sub>2</sub> over a period of 100 years. Under no circumstances should the user try to intervene on the refrigerant circuit or disassemble the product. Always contact qualified personnel if necessary.

# INDOOR UNITS

## KIREIA Plus Wall



<INCLUDED>



<RC INCLUDED>

SRK 20-25-35-50-60 ZSX-WF(T)

Model			SRK 20 ZSX-WF(T)	SRK 25 ZSX-WF(T)	SRK 35 ZSX-WF(T)	SRK 50 ZSX-WF(T)	SRK 60 ZSX-WF(T)
Type			Indoor wall unit				
Control			Remote control				
Rated heating	Cooling	kW	2.00	2.50	3.50	5.00	6.00
	Heating	kW	3.00	3.40	4.50	5.80	6.80
<b>Electrical data</b>							
Power	Outdoor unit	Ph-V-Hz	1-220~240V-50Hz				
Connection wires between I.U. and O.U.		no.	4	4	4	4	4
<b>Refrigerant circuit</b>							
Diameter of refrigerant piping on liquid/gas		mm (inches)	ø6.35(1/4") - ø9.52(3/8")	ø6.35(1/4") - ø9.52(3/8")	ø6.35(1/4") - ø9.52(3/8")	ø6.35(1/4") - ø12.74(1/2")	ø6.35(1/4") - ø12.74(1/2")
<b>Product specifications</b>							
Dimensions	LxDxH	mm	920x220x305	920x220x305	920x220x305	920x220x305	920x220x305
Net weight		Kg	13	13	13	13	13
Sound power level (Hi)	Cooling	dB(A)	53	55	58	59	62
	Heating		55	56	58	62	63
Sound pressure level (Hi/Me/Lo/Ulo)	Cooling	dB(A)	38/31/24/19	39/33/25/19	43/35/26/19	44/39/31/22	48/41/33/22
	Heating		38/33/25/19	40/34/27/19	42/35/28/19	47/41/33/23	47/42/34/23
Treated air volume (Hi/Me/Lo/Ulo)	Cooling	m³/h	678/546/360/300	732/600/402/300	786/648/438/300	858/744/468/324	978/804/534/324
	Heating		732/618/432/324	768/660/468/324	834/708/516/324	1038/858/588/372	1068/822/654/372
<b>Optional parts</b>							
Wi-Fi module			Included				
Interface for home automation connection and wired control <sup>1</sup>			SC-BIKN2-E				

1. Available home automation protocols: KNX, Modbus, BACnet. The use of the interface card SC-BIKN2-E forbids some indoor unit functions. Keep in touch with your contact person for further information.

## KIREIA Wall



<INCLUDED>



<RC INCLUDED>

SRK 15-20-25-35-50 ZS-WF(T)

Model			SRK 15 ZS-WF(T)	SRK 20 ZS-WF(T)	SRK 25 ZS-WF(T)	SRK 35 ZS-WF(T)	SRK 50 ZS-WF(T)
Type			Indoor wall unit				
Control			Remote control				
Rated heating	Cooling	kW	1.50	2.00	2.50	3.50	5.00
	Heating	kW	2.00	3.00	3.40	4.50	5.80
<b>Electrical data</b>							
Power	Outdoor unit	Ph-V-Hz	1-220~240V-50Hz				
Connection wires between I.U. and O.U.		no.	4	4	4	4	4
<b>Refrigerant circuit</b>							
Diameter of refrigerant piping on liquid/gas		mm (inches)	ø6.35(1/4") - ø9.52(3/8")	ø6.35(1/4") - ø9.52(3/8")	ø6.35(1/4") - ø9.52(3/8")	ø6.35(1/4") - ø9.52(3/8")	ø6.35(1/4") - ø12.74(1/2")
<b>Product specifications</b>							
Dimensions	LxDxH	mm	870x230x290	870x230x290	870x230x290	870x230x290	870x230x290
Net weight		Kg	9.5	9.5	9.5	9.5	10
Sound power level (Hi)	Cooling	dB(A)	48	48	50	54	59
	Heating		50	50	53	56	60
Sound pressure level (Hi/Me/Lo/Ulo)	Cooling	dB(A)	34/25/22/19	34/25/22/19	36/28/23/19	40/30/26/19	46/36/29/22
	Heating		36/29/23/19	36/29/23/19	39/30/24/19	41/36/25/19	46/37/31/24
Treated air volume (Hi/Me/Lo/Ulo)	Cooling	m³/h	558/420/354/300	558/420/354/300	594/480/354/300	678/522/420/300	726/594/444/354
	Heating		600/510/390/354	600/510/390/354	678/522/402/354	738/660/420/336	834/672/546/444
<b>Optional parts</b>							
Wi-Fi module			Included				
Interface for home automation connection and wired control <sup>1</sup>			SC-BIKN2-E				

1. Available home automation protocols: KNX, Modbus, BACnet. The use of the interface card SC-BIKN2-E forbids some indoor unit functions. Keep in touch with your contact person for further information.

# INDOOR UNITS

## Wall



<INCLUDED>



<RC INCLUDED>

SRK 71-80 ZR-WF

Model			SRK 71 ZR-WF	SRK 80 ZR-WF
<b>Type</b>			Indoor wall unit	
Control			Remote control	
Rated heating	Cooling	kW	7.10	8.00
	Heating	kW	8.00	9.00
<b>Electrical data</b>				
Power	Outdoor unit	Ph-V-Hz	1-220~240V-50Hz	
Connection wires between I.U. and O.U.		no.	4	4
<b>Refrigerant circuit</b>				
Diameter of refrigerant piping on liquid/gas		mm (inches)	ø6.35(1/4") - ø15.88(5/8")	ø6.35(1/4") - ø15.88(5/8")
<b>Product specifications</b>				
Dimensions	LxDxH	mm	1197x262x339	1197x262x339
Net weight		Kg	15.5	16.5
Sound power level (Hi)	Cooling	dB(A)	57	60
	Heating		60	62
Sound pressure level (Hi/Me/Lo/ULo)	Cooling	dB(A)	44/41/37/25	47/44/39/26
	Heating		46/39/35/28	47/41/36/29
Treated air volume (Hi/Me/Lo/ULo)	Cooling	m³/h	1230/1116/972/624	1410/1212/1050/624
	Heating		1500/1188/1038/798	1590/1278/1104/810
<b>Optional parts</b>				
Wi-Fi module			Included	
Interface for home automation connection and wired control <sup>1</sup>			SC-BIKN2-E	

1. Available home automation protocols: KNX, Modbus, BACnet. The use of the interface card SC-BIKN2-E forbids some indoor unit functions. Keep in touch with your contact person for further information.

## Wall



OPTIONAL



<RC INCLUDED>

SKM 15-20-25-35 ZSP-W

Model			SKM 15 ZSP-W	SKM 20 ZSP-W	SKM 25 ZSP-W	SKM 35 ZSP-W
<b>Type</b>			Indoor wall unit			
Control			Remote control			
Rated heating	Cooling	kW	1.50	2.00	2.50	3.50
	Heating	kW	2.00	3.00	3.40	4.50
<b>Electrical data</b>						
Power	Outdoor unit	Ph-V-Hz	1-220~240V-50Hz			
Connection wires between I.U. and O.U.		no.	4	4	4	4
<b>Refrigerant circuit</b>						
Diameter of refrigerant piping on liquid/gas		mm (inches)	ø6.35(1/4") - ø9.52(3/8")	ø6.35(1/4") - ø9.52(3/8")	ø6.35(1/4") - ø9.52(3/8")	ø6.35(1/4") - ø9.52(3/8")
<b>Product specifications</b>						
Dimensions	LxDxH	mm	783x210x267	783x210x267	783x210x267	783x210x267
Net weight		Kg	7.5	7.5	7.5	7.5
Sound power level (Hi)	Cooling	dB(A)	57	57	57	58
	Heating		56	56	56	58
Sound pressure level (Hi/Me/Lo)	Cooling	dB(A)	42/35/22	42/35/22	43/36/23	44/37/25
	Heating		41/36/26	41/36/26	41/36/27	42/37/30
Treated air volume (Hi/Me/Lo)	Cooling	m³/h	510/420/300	510/420/300	510/420/300	540/450/300
	Heating		480/420/330	480/420/330	480/420/330	510/420/360
<b>Optional parts</b>						
Wi-Fi module			INWFIUNIO011000			
Interface for home automation connection and wired control			Not available for this product			

# INDOOR UNITS

## Low head ducted



SRR 25-35-50-60 ZS-W



<RC INCLUDED>

Model			SRR 25 ZS-W	SRR 35 ZS-W	SRR 50 ZS-W	SRR 60 ZS-W
<b>Type</b>			Indoor duct unit			
Control			Remote control			
Rated heating	Cooling	kW	2.50	3.50	5.00	6.00
	Heating	kW	3.40	4.50	5.80	6.80
<b>Electrical data</b>						
Power	Outdoor unit	Ph-V-Hz	1-220~240V-50Hz			
Connection wires between I.U. and O.U.		no.	4	4	4	4
<b>Refrigerant circuit</b>						
Diameter of refrigerant piping on liquid/gas		mm (inches)	ø6.35(1/4") - ø9.52(3/8")	ø6.35(1/4") - ø9.52(3/8")	ø6.35(1/4") - ø12.74(1/2")	ø6.35(1/4") - ø12.74(1/2")
<b>Product specifications</b>						
Dimensions	LxDxH	mm	750x500x200	750x500x200	950x500x200	950x500x200
Net weight		Kg	20.5	20.5	24	24
Sound power level (Hi)	Cooling	dB(A)	56	57	59	60
	Heating		59	60	61	63
Sound pressure level (Hi/Me/Lo/ULo)	Cooling	dB(A)	37/33/30/24	38/34/31/25	41/37/34/29	44/38/35/30
	Heating		40/37/34/28	42/38/35/29	43/39/37/32	45/41/38/33
Treated air volume (Hi/Me/Lo/ULo)	Cooling	m³/h	570/480/390/270	600/510/420/300	810/660/600/450	870/690/630/480
	Heating		600/540/480/360	630/570/510/390	840/750/660/510	900/780/690/540
Fan pressure head	Hi	Pa	35	35	50	50
<b>Optional parts</b>						
Wi-Fi module <sup>1</sup>			WF-RAC			
Interface for home automation connection and wired control <sup>2</sup>			SC-BIKN2-E			
Kit for recovery from bottom			UT-BAT1EF		UT-BAT2EF	

1 Using the Wi-Fi module excludes the possibility of connecting any other optional accessory.

2 Home automation and optional protocols with dedicated interfaces: KNX, Modbus, BACnet.

## Console



SRF 25-35 ZS-W  
SRF 50 ZSX-W



<RC INCLUDED>

Model			SRF 25 ZS-W	SRF 35 ZS-W	SRF 50 ZSX-W
<b>Type</b>			Indoor console unit		
Control			Remote control		
Rated heating	Cooling	kW	2.50	3.50	5.00
	Heating	kW	3.40	4.50	5.80
<b>Electrical data</b>					
Power	Outdoor unit	Ph-V-Hz	1-220~240V-50Hz		
Connection wires between I.U. and O.U.		no.	4	4	4
<b>Refrigerant circuit</b>					
Diameter of refrigerant piping on liquid/gas		mm (inches)	ø6.35(1/4") - ø9.52(3/8")	ø6.35(1/4") - ø9.52(3/8")	ø6.35(1/4") - ø12.74(1/2")
<b>Product specifications</b>					
Dimensions	LxDxH	mm	860x238x600	860x238x600	860x238x600
Net weight		Kg	18	19	19
Sound power level (Hi)	Cooling	dB(A)	50	51	58
	Heating		51	52	58
Sound pressure level (Hi/Me/Lo/ULo)	Cooling	dB(A)	38/32/29/25	40/35/33/29	46/38/33/28
	Heating		39/35/33/39	41/36/35/33	46/41/38/32
Treated air volume (Hi/Me/Lo/ULo)	Cooling	m³/h	540/456/402/348	552/468/438/384	690/576/444/396
	Heating		630/492/462/396	642/498/486/444	720/600/564/456
<b>Optional parts</b>					
Wi-Fi module <sup>1</sup>			WF-RAC		
Interface for home automation connection and wired control <sup>2</sup>			SC-BIKN2-E		

1 Using the Wi-Fi module excludes the possibility of connecting any other optional accessory.

2 Home automation and optional protocols with dedicated interfaces: KNX, Modbus, BACnet.



# INDOOR UNITS

## Medium head ducted



FDUM 50 VH



OPTIONAL

Compatible with **AIRZONE** systems

Model			FDUM 50 VH
<b>Type</b>			<b>Indoor duct unit</b>
Rated heating	Cooling	kW	5.00
	Heating	kW	5.80
<b>Electrical data</b>			
Power	Outdoor unit	Ph-V-Hz	1-220~240V-50Hz
Connection wires between I.U. and O.U.		no.	4
<b>Refrigerant circuit</b>			
Diameter of refrigerant piping on liquid/gas		mm (inches)	ø6.35(1/4") - ø12.74(1/2")
<b>Product specifications</b>			
Dimensions	LxDxH	mm	750x635x280
Net weight		Kg	29
Sound power level	Max	dB(A)	60
Sound pressure level	P-Hi/Hi/Me/Lo	dB(A)	37/32/29/26
Treated air volume	P-Hi/Hi/Me/Lo	m <sup>3</sup> /h	780/600/540/480
Fan pressure head	Std/Max	Pa	35/100
<b>Accessories</b>			
Wired remote control			RC-E5 / RC-EX3A / RC-EXZ3A / RCH-E3
IR remote control (KIT)			RCN-KIT4-E2
<b>Optional parts</b>			
Wi-Fi module			INWFIMHI001R000
Human sensor (KIT)			LB-KIT2
SUPERLINK II interface			SC-ADNA-E
Recovery filter (KIT)			UM-FL1EF

## Ceiling



FDE 50 VH



OPTIONAL

Model			FDE 50 VH
<b>Type</b>			<b>Indoor ceiling unit</b>
Rated heating	Cooling	kW	5.00
	Heating	kW	5.80
<b>Electrical data</b>			
Power	Outdoor unit	Ph-V-Hz	1-220~240V-50Hz
Connection wires between I.U. and O.U.		no.	4
<b>Refrigerant circuit</b>			
Diameter of refrigerant piping on liquid/gas		mm (inches)	ø6.35(1/4") - ø12.74(1/2")
<b>Product specifications</b>			
Dimensions	LxDxH	mm	1070x690x210
Net weight		Kg	28
Sound power level	Max	dB(A)	60
Sound pressure level	P-Hi/Hi/Me/Lo	dB(A)	46/38/36/31
Treated air volume	P-Hi/Hi/Me/Lo	m <sup>3</sup> /h	780/600/540/420
<b>Accessories</b>			
Wired remote control			RC-E5 / RC-EX3A / RCH-E3
IR remote control (KIT)			RCN-E-E3
<b>Optional parts</b>			
Wi-Fi module			INWFIMHI001R000
Human sensor (KIT)			LB-E
SUPERLINK II interface			SC-ADNA-E

# INDOOR UNITS

## 60x60 Compact cassette



FDTC 25-35 VH1/FDTC 50-60 VH  
Standard honeycomb panel  
TC-PSA-5AW-E

FDTC 25-35 VH1/FDTC 50-60 VH  
Anti-draft honeycomb panel  
TC-PSAE-5AW-E

FDTC 25-35 VH1/FDTC 50-60 VH  
Standard linear panel  
TC-PSAG-5AW-E

FDTC 25-35 VH1/FDTC 50-60 VH  
Anti-draft linear panel  
TC-PSAGE-5AW-E

Model			FDTC 25 VH1	FDTC 35 VH1	FDTC 50 VH	FDTC 60 VH
<b>Type</b>						
			<b>Indoor cassette unit</b>			
Rated heating	Cooling	kW	2.50	3.50	5.00	6.00
	Heating	kW	3.40	4.50	5.80	6.80
<b>Electrical data</b>						
Power	Outdoor unit	Ph-V-Hz	1-220~240V-50Hz			
Connection wires between I.U. and O.U.		no.	4	4	4	4
<b>Refrigerant circuit</b>						
Diameter of refrigerant piping on liquid/gas		mm (inches)	ø6.35(1/4") - ø9.52(3/8")	ø6.35(1/4") - ø9.52(3/8")	ø6.35(1/4") - ø12.74(1/2")	ø6.35(1/4") - ø12.74(1/2")
<b>Product specifications</b>						
Dimensions	LxDxH	mm	570x570x248	570x570x248	570x570x248	570x570x248
Net weight		Kg	13.5	13.5	14	14
Sound power level (Hi)	Cooling	dB(A)	51	52	59	60
	Heating		52	53	59	60
Sound pressure level (P-Hi/Hi/Me/Lo)	Cooling	dB(A)	38/34/30/27	39/36/32/29	44/40/35/27	46/42/38/31
	Heating		39/36/32/28	41/38/34/30	44/40/35/27	46/42/38/31
Treated air volume (P-Hi/Hi/Me/Lo)	Cooling	m <sup>3</sup> /h	510/450/420/360	540/480/450/390	780/660/540/420	840/720/600/480
	Heating		570/510/450/390	600/540/480/420		
<b>Accessories</b>						
<b>Standard panel</b>			<b>TC-PSA-5AW-E (honeycomb) / TC-PSAG-5AW-E (linear)</b>			
Panel dimensions	LxDxH	mm	620x620x10	620x620x10	620x620x10	620x620x10
Net weight		Kg	2.5	2.5	2.5	2.5
Wired remote control			RC-E5 (LCD) / RC-EX3A (touch) / RCH-E3 (simplified)			
IR remote control (corner KIT)			RCN-TC-5AW-E3			
<b>Optional parts</b>						
Wi-Fi module			INWFIMH1001R000			
Human sensor (corner KIT)			LB-TC-5W-E			
SUPERLINK II interface			SC-ADNA-E			
Anti-draft panel			TC-PSAE-5AW-E (honeycomb) / TC-PSAGE-5AW-E (linear)			



**COMMERCIAL RANGE**



# COMMERCIAL MONO & MULTI

R32 COMMERCIAL CHARACTERISTICS	52
LINE-UP R32	56
<b>COMMERCIAL MONOSPLIT</b>	
HYPER R32 series	58
SUPER R32 series	66
SMART R32 series	74
<b>COMMERCIAL MULTISPLIT</b>	
HYPER series R32 combinations	82
SUPER series R32 combinations	84
<b>ENTHALPY HEAT RECOVERY UNIT</b>	86
<b>AIR HANDLING UNIT INTERFACE</b>	88

MHI commercial range air conditioners have been designed for ample spaces like offices and companies and for small and medium applications.

MHI offers all possible useful solutions to combine operating costs, flexibility and maintenance, depending on the area and characteristics of the work environment.



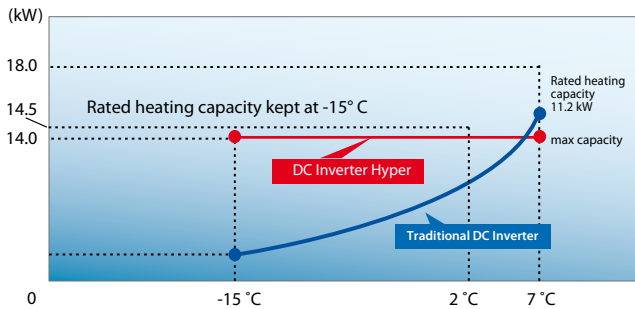
# HIGH PERFORMANCE WITH R32

MHI introduces R32 refrigerant gas on its entire commercial line. The new, more ecological technology guarantees energy savings for all sizes.

Reliable, innovative, environmentally friendly: commercial line air conditioners have all the characteristics to meet the most varied installation requirements.

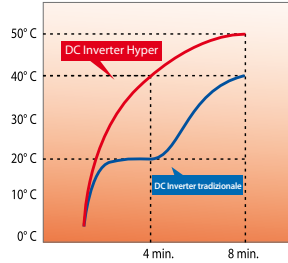
## FDC 100 VSX-W (4HP) - THREE-PHASE

Rated heating capacity kept constant down to -15° C.



## SUPER HEAT: START-UP AT HIGH TEMPERATURE

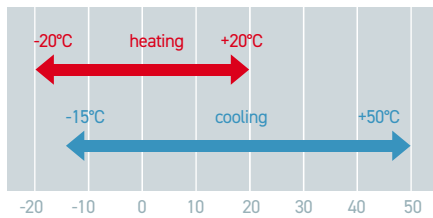
At start-up, the unit reaches the temperature of 40° C in only 4 minutes - in an operating condition with indoor and outdoor temperature of 2° C - and can reach 50° C in the following 8 minutes.



Refer to technical specifications concerning the following: application conditions, operating range and heating/cooling capacity.

## OPERATING RANGE

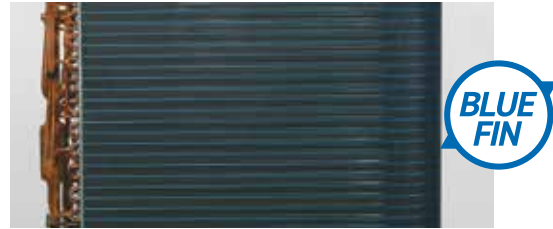
HYPER VSX-W



The new advanced technology, installed on R32 units, has extended the range of cooling operation compared to R410A units, making it possible for the systems to be installed in locations with more extreme climatic conditions.

## LESS CORROSION THANKS TO BLUE FIN

The particular coating of the heat exchanger louvres guarantees perfect resistance to corrosion and deterioration caused by atmospheric agents.



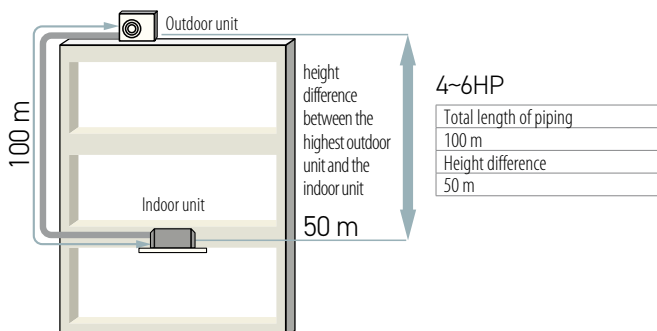
## SPLITTING DISTANCE OF 100 M, HIGH INSTALLATION FLEXIBILITY

The maximum length of the refrigerant pipes can be up to 100 m. The maximum height difference between indoor units is 15 m. Each unit is also equipped with a refrigerant pre-load sufficient for 30 m splits.

The versatility offered by the numerous installation solutions also makes it possible to centralise the systems via the Superlink network, applying the SC-ADNA-E adapter to each indoor unit to be controlled.

### 4-5-6HP VSX models (three-phase)

Series	Piping length	Height difference
Hyper 4~6	100 m	50 m
Super 4~6	50 m	50 m
Smart 3~5	30 m	20 m



## DC TWIN ROTARY COMPRESSOR

Reduction in size and increase in energy performance (4~6HP models). The application of DC Twin Rotary compressor allows units to reach 120rps speed. Improved performance and vibration reduction are guaranteed by the use of the Inverter Vector control.



# ADVANCED TECHNOLOGY WITH THE HUMAN SENSOR

The most advanced solution for controlling room temperature and comfort. The HUMAN SENSOR detects the presence of people in the room and the type of activity occurring; the temperature is adjusted accordingly automatically, with beneficial effects on consumption and well-being.





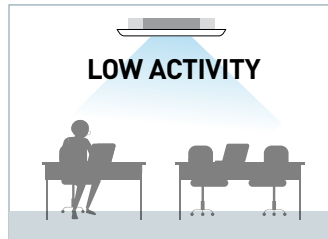
# ENERGY SAVINGS THROUGH MOTION DETECTION IN THE ROOM

The HUMAN SENSOR detects the presence/absence and/or movement of persons in the room to improve comfort and performance, thanks to the unit's energy saving functions.

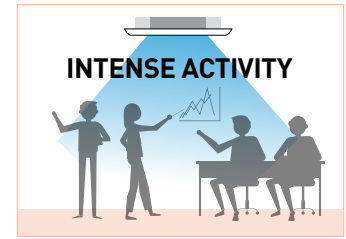
## 3 ENERGY SAVING CONTROL MODES

### 1. POWER CONTROL

The new motion sensor detects human activity in the room. Energy saving control is obtained by modifying the set temperature based on the amount and type of detected activity.



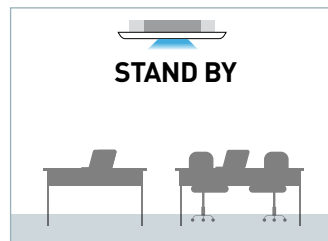
Power control increases energy saving.



Power control increases comfort.

### 2. AUTO-OFF: STAND BY

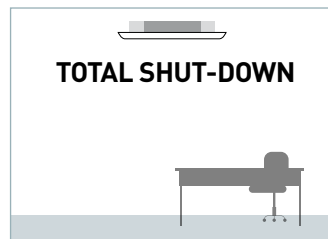
The unit stops running if no activity is detected for 1 hour. It re-starts automatically when activity is detected.



Operation shuts off temporarily.

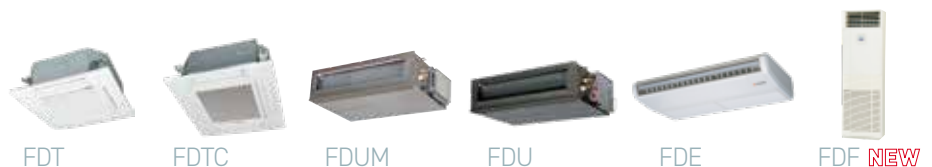
### 3. AUTO-OFF TOTAL SHUT-DOWN

The unit shuts down automatically if no activity is detected for 12 hours.



Operation shuts off completely.

AVAILABLE AS AN OPTIONAL FOR THE FOLLOWING INDOOR UNIT MODELS:



# COMMERCIAL MONOSPLIT R32

Outdoor units		HYPER				SUPER					SMART					
																
		FDC VNX-W		FDC VSX-W		FDC VNA-W/VSA-W		FDC VSA-W			FDC VNP-W					
kW		7.10	10.00	12,50	14.00	10.00	12.50	14.00	20.00	25.00	28.00	7.10	9.00	10.00	12.50	
INDOOR UNITS	FDT VH 	✓	✓	✓	✓	✓	✓	✓				✓	✓	✓	✓	
	FDUM VH 	✓	✓	✓	✓	✓	✓	✓				✓	✓	✓	✓	
	FDU VH 	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓	
	FDE VH 	✓	✓	✓	✓	✓	✓	✓				✓	✓	✓	✓	
	SRK ZR-WF 	✓	✓				✓						✓		✓	
	FDV VH 	✓	✓	✓	✓	✓	✓	✓					✓	✓	✓	

# MULTISPLIT COMBINATIONS TWIN/TRIPLE/DOUBLE TWIN R32

## VALID COMBINATIONS FOR HYPER AND SUPER SERIES

### HYPER

	TWIN	TRIPLE
FDC 71 VNX-W	40+40	-
FDC 100 VSX-W	50+50	-
FDC 125 VSX-W	60+60	-
FDC 140 VSX-W	71+71	50+50+50

### SUPER

	TWIN	TRIPLE	DOUBLE TWIN
FDC 100 VNA-W/FDC 100 VSA-W	50+50	-	-
FDC 125 VNA-W/FDC 125 VSA-W	60+60	-	-
FDC 140 VNA-W/FDC 140 VSA-W	71+71	50+50+50	-
FDC 200 VSA-W	100+100	71+71+71	50+50+50+50
FDC 250 VSA-W	125+125	-	60+60+60+60
FDC 280 VSA-W	140+140	-	71+71+71+71



Note: Combinations other than those indicated on pages 82-85 are prohibited.

# MULTISPLIT COMBINATIONS V MULTI R32

## VALID COMBINATIONS FOR HYPER AND SUPER SERIES

### HYPER

	TWIN	TRIPLE
FDC 71 VNX-W	40+40	-
FDC 100 VSX-W	50+50	-
FDC 125 VSX-W	60+60	-
	50+71	-
FDC 140 VSX-W	71+71	50+50+50

### SUPER

	TWIN	TRIPLE	DOUBLE TWIN
FDC 100 VNA-W/FDC 100 VSA-W	50+50	-	-
FDC 125 VNA-W/FDC 125 VSA-W	60+60	-	-
	50+71	-	-
FDC 140 VNA-W/FDC 140 VSA-W	71+71	50+50+50	-
FDC 200 VSA-W	100+100	71+71+71	50+50+50+50
	71+125		
FDC 250 VSA-W	125+125	60+60+125	60+60+60+60
		71+71+100	
FDC 280 VSA-W	140+140	71+71+140	71+71+71+71



Note: Combinations other than those indicated on pages 82-85 are prohibited.

# HYPER SERIES



Operation in heating mode with outside temperature limit of:  $-20^{\circ}\text{C}$

If the outdoor temperature decreases, the supplied power keeps constant

■ **4 power levels**

- 1 Single-phase 3HP= 7.10 kW
- 3 Three-phase 4~6HP=10.0~14.0 kW

- Minimum outdoor operating temperature
- Super Heat at start-up
- The supplied power is kept also as the outdoor temperature decreases
- **100 m** Split length.
- Application of Twin Rotary compressors: reduction in size and increase in performance



VNX-W = SINGLE-PHASE  
VSX-W = THREE-PHASE

FDC 71 VNX-W (3HP)

FDC100 VSX-W (4HP)  
FDC125 VSX-W (5HP)  
FDC140 VSX-W (6HP)

# MONOSPLIT HYPER

## Cassette 84x84



FDT 71-100-125-140 VH  
Standard white panel  
T-PSA-5BW-E

FDT 71-100-125-140 VH  
Anti-draft white panel  
T-PSAE-5BW-E

FDT 71-100-125-140 VH  
Standard black panel  
T-PSA-5BB-E

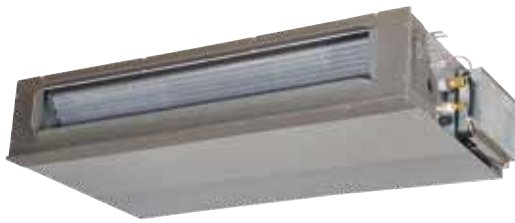
FDT 71-100-125-140 VH  
Black anti-draft pane  
T-PSAE-5BB-E

Indoor unit model		FDT 71 VH	FDT 100 VH	FDT 125 VH	FDT 140 VH	
Outdoor unit model		FDC 71 VNX-W	FDC 100 VSX-W	FDC 125 VSX-W	FDC 140 VSX-W	
Type		DC-Inverter heat pump				
<b>Nominal data</b>						
Rated capacity (T=+35°C)	Cooling	kW	7.10 (3.20~8.00)	10.00 (3.50~11.20)	12.50 (3.50~14.00)	14.00 (3.50~16.00)
Rated absorbed power (T=+35°C)		kW	1.69	2.28	3.21	3.87
Rated energy efficiency coefficient		EER <sup>1</sup>	4.20	4.38	3.89	2.84
Rated capacity (T=+7°C)	Heating	kW	8.00 (3.60~9.00)	11.20 (2.70~16.00)	14.00 (2.70~18.00)	16.00 (2.70~20.00)
Rated absorbed power (T=+7°C)		kW	1.75	2.48	3.43	4.20
Rated energy performance coefficient		COP <sup>1</sup>	4.58	4.52	4.08	3.71
<b>Seasonal data</b>						
Theoretical load (Pdesignc)	Cooling	kW	7.10	10.00	12.50	14.00
Seasonal energy efficiency index		SEER <sup>2</sup>	7.60	8.00	7.64	7.20
Seasonal energy efficiency class		626/2011 <sup>3</sup>	A++	A++	-	-
Annual energy consumption		kWh/a	327	438	-	-
Theoretical load (Pdesignh) @-10°C	Heating (average climate conditions)	kW	5.80	11.20	14.00	16.00
Seasonal energy efficiency index		SCOP <sup>2</sup>	4.61	4.44	4.26	4.14
Seasonal energy efficiency class		626/2011 <sup>3</sup>	A++	A+	-	-
Annual energy consumption		kWh/a	1762	3534	-	-
<b>Electrical data</b>						
Power supply	Outdoor unit	Ph-V-Hz	1-220~240V-50Hz	3-380~415V-50Hz		
Power cable		Type	3 x 4 mm <sup>2</sup>	5 x 4 mm <sup>2</sup>	5 x 4 mm <sup>2</sup>	5 x 4 mm <sup>2</sup>
Connection wires between I.U. and O.U.		no.	4	4	4	4
Absorbed current	Cooling	A	7.50	3.90	5.20	6.20
	Heating	A	7.80	4.20	5.60	6.70
Maximum current		A	19.10	14.00	14.00	14.00
Maximum absorbed power		kW	4.11	8.90	8.90	8.90
<b>Refrigerant circuit</b>						
Refrigerant <sup>4</sup>		Type (GWP)	R32 (675)			
Quantity refrigerant pre-load		Kg	2.75	4	4	4
Tons of CO <sub>2</sub> equivalent		t	1.856	2.700	2.700	2.700
Diameter of refrigerant piping on liquid/gas		mm (inches)	ø9.52 (3/8") - ø15.88(5/8")	ø9.52 (3/8") - ø15.88(5/8")	ø9.52 (3/8") - ø15.88(5/8")	ø9.52 (3/8") - ø15.88(5/8")
Max splitting length	Min/Max	m	3/50	3/100	3/100	3/100
Max height difference I.U./O.U.	O.U. above/O.U. under	m	30/15	50/15	50/15	50/15
Split length without additional charge		m	30	30	30	30
Additional load		g/m	54	54	54	54
<b>Indoor unit specifications</b>						
Dimensions	LxDxH	mm	840x840x236	840x840x298	840x840x298	840x840x298
Net weight		Kg	21	25	25	25
Sound power level	Max	dB(A)	60	62	64	64
Sound pressure level (P-Hi/Hi/Mi/Lo)	Cooling	dB(A)	46/34/31/26	47/39/36/30	48/41/39/31	48/42/39/32
	Heating			47/39/36/29	48/41/38/31	48/41/38/31
Treated air volume	P-Hi/Hi/Me/Lo	m <sup>3</sup> /h	1680/1080/900/720	2220/1560/1380/1020	2280/1680/1500/1080	2280/1740/1560/1140
<b>Outdoor unit specifications</b>						
Dimensions	LxDxH	mm	880(+88)x340x750	970x370x1300	970x370x1300	970x370x1300
Net weight		Kg	60	99	99	99
Sound power level	Max	dB(A)	66	67	70	71
Sound pressure level	Max	dB(A)	51	53	54	54
Treated air volume	Max	m <sup>3</sup> /h	3600	6000	6000	6000
Operating limits (outside temperature)	Cooling	°C	-15~+50			
	Heating	°C	-20~+20			
<b>Accessories</b>						
<b>Standard panel</b>			T-PSA-5BW-E (white) / T-PSA-5BB-E (black)			
Dimensions	LxDxH	mm	950x950x35	950x950x35	950x950x35	950x950x35
Net weight		Kg	5	5	5	5
Wired remote control			RC-E5 (LCD) / RC-EX3A (touch) / RCH-E3 (simplified)			
IR remote control (corner KIT)			RCN-T-5BW-E2 (white) / RCN-T-5BB-E2 (black)			
<b>Optional parts</b>						
Wi-Fi module			INWFIMHIO01R000			
Human sensor (corner KIT)			LB-T-5BW-E (white) / LB-T-5BB-E (black)			
SUPERLINK II interface			SC-ADNA-E			
Anti-draft panel			T-PSAE-5BW-E (white) / T-PSAE-5BB-E (black)			

1. Value measured according to the harmonised standard EN 14511. 2. EU Regulation No. 206/2012 -- Value measured according to the harmonised standard EN 14825. 3. Delegated Regulation (EU) No 626/2011 regarding the new energy labelling of air conditioners. 4. Refrigerant leakage contributes to climate change. When released into the atmosphere, refrigerants with a lower global warming potential (GWP) contribute less to global warming than those with a higher GWP. This appliance contains a refrigerant with a GWP of 675. If 1 kg of this refrigerant fluid were released into the atmosphere, therefore, the impact on global warming would be 675 times higher than 1 kg of CO<sub>2</sub> over a period of 100 years. Under no circumstances should the user try to intervene on the refrigerant circuit or disassemble the product. Always contact qualified personnel if necessary.

# MONOSPLIT HYPER

## Ducted with medium adjustable head



FDUM 71-100-125-140 VH

- **max 100**  
Fan pressure head
- Unit with bottom or rear air intake (filter not included)
- **280 mm**  
Height
- **100 m**  
Split length
- ESP function: automatic maintenance of the air flow rate as flow resistance varies
- Filter not included
- Compatible with **AIRZONE** systems

Indoor unit model			FDUM 71 VH	FDUM 100 VH	FDUM 125 VH	FDUM 140 VH
Outdoor unit model			FDC 71 VNX-W	FDC 100 VSX-W	FDC 125 VSX-W	FDC 140 VSX-W
Type			DC-Inverter heat pump			
<b>Nominal data</b>						
Rated capacity (T=+35°C)	Cooling	kW	7.10 (3.20~8.00)	10.00 (3.50~11.20)	12.50 (3.50~14.00)	14.00 (3.50~16.00)
Rated absorbed power (T=+35°C)		kW	1.77	2.59	3.49	4.22
Rated energy efficiency coefficient		EER <sup>1</sup>	4.01	3.86	3.58	3.32
Rated capacity (T=+7°C)	Heating	kW	8.00 (3.60~9.00)	11.20 (2.70~16.00)	14.00 (2.70~18.00)	16.00 (2.70~20.00)
Rated absorbed power (T=+7°C)		kW	1.78	2.63	3.61	4.22
Rated energy performance coefficient		COP <sup>1</sup>	4.49	4.26	3.88	3.79
<b>Seasonal data</b>						
Theoretical load (Pdesignc)	Cooling	kW	7.10	10.00	12.50	14.00
Seasonal energy efficiency index		SEER <sup>2</sup>	6.89	6.29	6.10	5.79
Seasonal energy efficiency class		626/2011 <sup>3</sup>	A++	A++	-	-
Annual energy consumption		kWh/a	361	557	-	-
Theoretical load (Pdesignh) @-10°C	Heating (average climate conditions)	kW	6.00	11.20	14.00	16.00
Seasonal energy efficiency index		SCOP <sup>2</sup>	4.45	4.13	3.92	3.88
Seasonal energy efficiency class		626/2011 <sup>3</sup>	A+	A+	-	-
Annual energy consumption		kWh/a	1889	3800	-	-
<b>Electrical data</b>						
Power supply	Outdoor unit	Ph-V-Hz	1-220~240V-50Hz		3-380~415V-50Hz	
Power cable		Type	3 x 4 mm <sup>2</sup>	5 x 4 mm <sup>2</sup>	5 x 4 mm <sup>2</sup>	5 x 4 mm <sup>2</sup>
Connection wires between I.U. and O.U.		n°	4	4	4	4
Absorbed current	Cooling	A	7.90	4.40	5.60	6.70
	Heating	A	7.90	4.40	5.90	6.80
Maximum current		A	20.00	17.00	16.00	17.00
Maximum absorbed power		kW	4.11	8.90	8.90	8.90
<b>Refrigerant circuit</b>						
Refrigerant <sup>4</sup>		Type (GWP)	R32 (675)			
Quantity refrigerant pre-load		Kg	2.75	4	4	4
Tons of CO <sub>2</sub> equivalent		t	1.856	2.700	2.700	2.700
Diameter of refrigerant piping on liquid/gas		mm (inches)	ø9.52 (3/8") - ø15.88(5/8")	ø9.52 (3/8") - ø15.88(5/8")	ø9.52 (3/8") - ø15.88(5/8")	ø9.52 (3/8") - ø15.88(5/8")
Max splitting length	Min/Max	m	3/50	3/100	3/100	3/100
Max height difference I.U./O.U.	O.U. above/O.U. under	m	30/15	50/15	50/15	50/15
Split length without additional charge		m	30	30	30	30
Additional load		g/m	54	54	54	54
<b>Indoor unit specifications</b>						
Dimensions	LxDxH	mm	950x635x280	1370x740x280	1370x740x280	1370x740x280
Net weight		Kg	34	54	54	54
Sound power level	Max	dB(A)	65	65	67	70
Sound pressure level	P-Hi/Hi/Me/Lo	dB(A)	38/33/29/25	44/38/36/30	45/40/34/29	47/40/35/30
Treated air volume	P-Hi/Hi/Me/Lo	m <sup>3</sup> /h	1440/1140/900/600	2160/1680/1500/1140	2340/1920/1560/1200	2880/2100/1680/1320
Fan pressure head	Std/Max	Pa	35/100	60/100	60/100	60/100
<b>Outdoor unit specifications</b>						
Dimensions	LxDxH	mm	880(+88)x340x750	970x370x1300	970x370x1300	970x370x1300
Net weight		Kg	60	99	99	99
Sound power level	Max	dB(A)	66	67	70	71
Sound pressure level	Max	dB(A)	51	53	54	54
Treated air volume	Max	m <sup>3</sup> /h	3600	6000	6000	6000
Operating limits (outside temperature)	Cooling	°C	-15~+50			
	Heating	°C	-20~+20			
<b>Accessories</b>						
Wired remote control			RC-E5 (LCD) / RC-EX3A (touch) / RC-EX23A (touch + zone control) / RCH-E3 (simplified)			
IR remote control (KIT)			RCN-KIT4-E2			
<b>Optional parts</b>						
Wi-Fi module			INWFIMH1001R000			
Human sensor (KIT)			LB-KIT2			
SUPERLINK II interface			SC-ADNA-E			
Recovery filter (KIT)			UM-FL2EF		UM-FL3EF	

1. Value measured according to the harmonised standard EN 14511. 2. EU Regulation No. 206/2012 -- Value measured according to the harmonised standard EN 14825. 3. Delegated Regulation (EU) No 626/2011 regarding the new energy labelling of air conditioners. 4. Refrigerant leakage contributes to climate change. When released into the atmosphere, refrigerants with a lower global warming potential (GWP) contribute less to global warming than those with a higher GWP. This appliance contains a refrigerant with a GWP of 675. If 1 kg of this refrigerant fluid were released into the atmosphere, therefore, the impact on global warming would be 675 times higher than 1 kg of CO<sub>2</sub> over a period of 100 years. Under no circumstances should the user try to intervene on the refrigerant circuit or disassemble the product. Always contact qualified personnel if necessary.

# MONOSPLIT HYPER

## Ducted with high adjustable head



FDU 71-100-125-140 VH

- **max 200**  
Fan pressure head
- Unit with bottom or rear air intake (filter not included)
- **280 mm**  
Height
- **100 m**  
Split length
- ESP function: automatic maintenance of the air flow rate as flow resistance varies
- Filter not included
- Compatible with **AIRZONE** systems

Indoor unit model			FDU 71 VH	FDU 100 VH	FDU 125 VH	FDU 140 VH
Outdoor unit model			FDC 71 VNX-W	FDC 100 VSX-W	FDC 125 VSX-W	FDC 140 VSX-W
Type			DC-Inverter heat pump			
<b>Nominal data</b>						
Rated capacity (T=+35°C)	Cooling	kW	7.10 (3.20~8.00)	10.00 (3.50~11.20)	12.50 (3.50~14.00)	14.00 (3.50~16.00)
Rated absorbed power (T=+35°C)		kW	1.77	2.59	3.49	4.22
Rated energy efficiency coefficient		EER <sup>1</sup>	4.01	3.86	3.58	3.32
Rated capacity (T=+7°C)	Heating	kW	8.00 (3.60~9.00)	11.20 (2.70~16.00)	14.00 (2.70~18.00)	16.00 (2.70~20.00)
Rated absorbed power (T=+7°C)		kW	1.78	2.63	3.61	4.22
Rated energy performance coefficient		COP <sup>1</sup>	4.49	4.26	3.88	3.79
<b>Seasonal data</b>						
Theoretical load (Pdesignc)	Cooling	kW	7.10	10.00	12.50	14.00
Seasonal energy efficiency index		SEER <sup>2</sup>	6.89	6.29	6.10	5.79
Seasonal energy efficiency class		626/2011 <sup>3</sup>	A++	A++	-	-
Annual energy consumption		kWh/a	361	557	-	-
Theoretical load (Pdesignh) @-10°C	Heating (average climate conditions)	kW	6.00	11.20	14.00	16.00
Seasonal energy efficiency index		SCOP <sup>2</sup>	4.47	4.13	3.92	3.88
Seasonal energy efficiency class		626/2011 <sup>3</sup>	A+	A+	-	-
Annual energy consumption		kWh/a	1878	3800	-	-
<b>Electrical data</b>						
Power supply	Outdoor unit	Ph-V-Hz	1-220~240V-50Hz		3-380~415V-50Hz	
Power cable		Type	3 x 4 mm <sup>2</sup>	5 x 4 mm <sup>2</sup>	5 x 4 mm <sup>2</sup>	5 x 4 mm <sup>2</sup>
Connection wires between I.U. and O.U.		n°	4	4	4	4
Absorbed current	Cooling	A	7.90	4.40	5.60	6.70
	Heating	A	7.90	4.40	5.90	6.80
Maximum current		A	20.00	15.00	16.00	17.00
Maximum absorbed power		kW	4.11	8.90	8.90	8.90
<b>Refrigerant circuit</b>						
Refrigerant <sup>4</sup>		Type (GWP)	R32 (675)			
Quantity refrigerant pre-load		Kg	2.75	4	4	4
Tons of CO2 equivalent		t	1.856	2.700	2.700	2.700
Diameter of refrigerant piping on liquid/gas		mm (inches)	9.52 (3/8") - 15.88(5/8")			
Max splitting length	Min/Max	m	3/50	3/100	3/100	3/100
Max height difference I.U./O.U.	O.U. above/O.U. under	m	30/15	50/15	50/15	50/15
Split length without additional charge		m	30	30	30	30
Additional load		g/m	54	54	54	54
<b>Indoor unit specifications</b>						
Dimensions	LxDxH	mm	950x635x280	1370x740x280	1370x740x280	1370x740x280
Net weight		Kg	34	54	54	54
Sound power level	Max	dB(A)	65	65	67	70
Sound pressure level	P-Hi/Hi/Me/Lo	dB(A)	38/33/29/25	44/38/36/30	45/40/34/29	47/40/35/30
Treated air volume	P-Hi/Hi/Me/Lo	m <sup>3</sup> /h	1440/1140/900/600	2160/1680/1500/1140	2340/1920/1560/1200	2880/2100/1680/1320
Fan pressure head	Std/Max	Pa	35/200	60/200	60/200	60/200
<b>Outdoor unit specifications</b>						
Dimensions	LxDxH	mm	880(+88)x340x750	970x370x1300	970x370x1300	970x370x1300
Net weight		Kg	60	99	99	99
Sound power level	Max	dB(A)	66	67	70	71
Sound pressure level	Max	dB(A)	51	53	54	54
Treated air volume	Max	m <sup>3</sup> /h	3600	6000	6000	6000
Operating limits (outside temperature)	Cooling	°C	-15~+50			
	Heating	°C	-20~+20			
<b>Accessories</b>						
Wired remote control			RC-E5 (LCD) / RC-EX3A (touch) / RC-EXZ3A (touch + zone control) / RCH-E3 (simplified)			
IR remote control (KIT)			RCN-KIT4-E2			
<b>Optional parts</b>						
Wi-Fi module			INWFIMH1001R000			
Human sensor (KIT)			LB-KIT2			
SUPERLINK II interface			SC-ADNA-E			

1. Value measured according to the harmonised standard EN 14511. 2. EU Regulation No. 206/2012 - - Value measured according to the harmonised standard EN 14825. 3. Delegated Regulation (EU) No 626/2011 regarding the new energy labelling of air conditioners. 4. Refrigerant leakage contributes to climate change. When released into the atmosphere, refrigerants with a lower global warming potential (GWP) contribute less to global warming than those with a higher GWP. This appliance contains a refrigerant with a GWP of 675. If 1 kg of this refrigerant fluid were released into the atmosphere, therefore, the impact on global warming would be 675 times higher than 1 kg of CO<sub>2</sub> over a period of 100 years. Under no circumstances should the user try to intervene on the refrigerant circuit or disassemble the product. Always contact qualified personnel if necessary.

# MONOSPLIT HYPER

## Ceiling



OPTIONAL

- Ideal for very large environments, thanks to the particularly wide air flow
- **100 m** Split length
- Versatile installation thanks to drain pipe and refrigerant flexibility
- Polypropylene filter included

FDE 71-100-125-140 VH

Indoor unit model		FDE 71 VH	FDE 100 VH	FDE 125 VH	FDE 140 VH	
Outdoor unit model		FDC 71 VNX-W	FDC 100 VSX-W	FDC 125 VSX-W	FDC 140 VSX-W	
Type		DC-Inverter heat pump				
<b>Nominal data</b>						
Rated capacity (T <sub>in</sub> =+35°C)	Cooling	kW	7.10 (3.20~8.00)	10.00 (3.50~11.20)	12.50 (3.50~14.00)	14.00 (3.50~16.00)
Rated absorbed power (T <sub>in</sub> =+35°C)		kW	1.87	2.33	3.34	4.08
Rated energy efficiency coefficient		EER <sup>1</sup>	3.80	4.29	3.75	3.43
Rated capacity (T <sub>in</sub> =+7°C)	Heating	kW	8.00 (3.60~9.00)	11.20 (2.70~16.00)	14.00 (2.70~18.00)	16.00 (2.70~20.00)
Rated absorbed power (T <sub>in</sub> =+7°C)		kW	1.87	2.52	3.74	4.41
Rated energy performance coefficient		COP <sup>1</sup>	4.28	4.45	3.74	3.63
<b>Seasonal data</b>						
Theoretical load (P <sub>designc</sub> )	Cooling	kW	7.10	10.00	12.50	14.00
Seasonal energy efficiency index		SEER <sup>2</sup>	6.58	7.00	6.53	6.29
Seasonal energy efficiency class		626/2011 <sup>3</sup>	A++	A++	-	-
Annual energy consumption		kWh/a	378	501	-	-
Theoretical load (P <sub>designh</sub> ) @-10°C	Heating (average climate conditions)	kW	6.00	11.20	14.00	16.00
Seasonal energy efficiency index		SCOP <sup>2</sup>	4.45	4.24	4.02	3.96
Seasonal energy efficiency class		626/2011 <sup>3</sup>	A+	A+	-	-
Annual energy consumption		kWh/a	1889	3700	-	-
<b>Electrical data</b>						
Power supply	Outdoor unit	Ph-V-Hz	1-220~240V-50Hz	3-380~415V-50Hz		
Power cable		Type	3 x 4 mm <sup>2</sup>	5 x 4 mm <sup>2</sup>	5 x 4 mm <sup>2</sup>	5 x 4 mm <sup>2</sup>
Connection wires between I.U. and O.U.		no.	4	4	4	4
Absorbed current	Cooling	A	8.30	4.00	5.40	6.50
	Heating	A	8.30	4.20	6.10	7.20
Maximum current		A	19.10	14.00	14.00	14.00
Maximum absorbed power		kW	4.11	8.90	8.90	8.90
<b>Refrigerant circuit</b>						
Refrigerant <sup>4</sup>	Type (GWP)	R32 (675)				
Quantity refrigerant pre-load	Kg	2.75	4	4	4	
Tons of CO <sub>2</sub> equivalent	t	1.856	2.700	2.700	2.700	
Diameter of refrigerant piping on liquid/gas	mm (inches)	ø9.52 (3/8") - ø15.88(5/8")	ø9.52 (3/8") - ø15.88(5/8")	ø9.52 (3/8") - ø15.88(5/8")	ø9.52 (3/8") - ø15.88(5/8")	
Max splitting length	Min/Max	m	3/50	3/100	3/100	3/100
Max height difference I.U./O.U.	O.U. above/O.U. under	m	30/15	50/15	50/15	50/15
Split length without additional charge		m	30	30	30	30
Additional load		g/m	54	54	54	54
<b>Indoor unit specifications</b>						
Dimensions	LxDxH	mm	1320x690x210	1620x690x250	1620x690x250	1620x690x250
Net weight		Kg	33	43	43	43
Sound power level	Max	dB(A)	60	64	64	65
Sound pressure level	P-Hi/Hi/Me/Lo	dB(A)	47/41/37/32	48/43/38/34	48/45/40/35	49/45/40/36
Treated air volume	P-Hi/Hi/Me/Lo	m <sup>3</sup> /h	1200/960/780/600	1920/1560/1260/990	1920/1740/1380/1020	2040/1740/1380/1080
<b>Outdoor unit specifications</b>						
Dimensions	LxDxH	mm	880(+88)x340x750	970x370x1300	970x370x1300	970x370x1300
Net weight		Kg	60	99	99	99
Sound power level	Max	dB(A)	66	67	70	71
Sound pressure level	Max	dB(A)	51	53	54	54
Treated air volume	Max	m <sup>3</sup> /h	3600	6000	6000	6000
Operating limits (outside temperature)	Cooling	°C	-15~+50			
	Heating	°C	-20~+20			
<b>Accessories</b>						
Wired remote control	RC-E5 (LCD) / RC-EX3A (touch) / RCH-E3 (simplified)					
IR remote control (KIT)	RCN-E-E3					
<b>Optional parts</b>						
Wi-Fi module	INWFIMH1001R000					
Human sensor (KIT)	LB-E					
SUPERLINK II interface	SC-ADNA-E					

1. Value measured according to the harmonised standard EN 14511. 2. EU Regulation No. 206/2012 - Value measured according to the harmonised standard EN 14825. 3. Delegated Regulation (EU) No 626/2011 regarding the new energy labelling of air conditioners. 4. Refrigerant leakage contributes to climate change. When released into the atmosphere, refrigerants with a lower global warming potential (GWP) contribute less to global warming than those with a higher GWP. This appliance contains a refrigerant with a GWP of 675. If 1 kg of this refrigerant fluid were released into the atmosphere, therefore, the impact on global warming would be 675 times higher than 1 kg of CO<sub>2</sub>, over a period of 100 years. Under no circumstances should the user try to intervene on the refrigerant circuit or disassemble the product. Always contact qualified personnel if necessary.



# MONOSPLIT HYPER

## Column



FD7 71-100-125-140 VH

- Ideal for restaurants, shops and offices applications, without false ceiling or high ceilings
- **100 m** Split length
- Wide and powerful air flow
- Ease transport and installation
- The wired control has a alarm function in case of gas leakage. The gas sensor is on the base of the unit

Indoor unit model		FD7 71 VH	FD7 100 VH	FD7 125 VH	FD7 140 VH	
Outdoor unit model		FDC 71 VNX-W	FDC 100 VSX-W	FDC 125 VSX-W	FDC 140 VSX-W	
<b>Type</b>		DC-Inverter heat pump				
Control (included)		Wired control TOUCH with gas leak alarm				
<b>Nominal data</b>						
Rated capacity (T=+35°C)	Cooling	kW	7.10 (3.20~8.00)	10.00 (3.50~11.20)	12.50 (3.50~14.00)	14.00 (3.50~16.00)
Rated absorbed power (T=+35°C)		kW	1.97	2.66	3.74	4.62
Rated energy efficiency coefficient		EER <sup>1</sup>	3.61	3.76	3.34	3.03
Rated capacity (T=+7°C)	Heating	kW	8.00 (3.60~9.00)	11.20 (2.70~16.00)	14.00 (2.70~18.00)	16.00 (2.70~20.00)
Rated absorbed power (T=+7°C)		kW	2.21	2.95	3.88	4.70
Rated energy performance coefficient		COP <sup>1</sup>	3.62	3.80	3.61	3.41
<b>Seasonal data</b>						
Theoretical load (Pdesignc)	Cooling	kW	7.10	10.00	12.50	14.00
Seasonal energy efficiency index		SEER <sup>2</sup>	6.25	6.10	5.95	5.75
Seasonal energy efficiency class		626/2011 <sup>3</sup>	A++	A++	-	-
Annual energy consumption		kWh/a	376	574	-	-
Theoretical load (Pdesignh) @-10°C	Heating (average climate conditions)	kW	6.00	11.20	14.00	16.00
Seasonal energy efficiency index		SCOP <sup>2</sup>	4.03	3.84	3.78	3.65
Seasonal energy efficiency class		626/2011 <sup>3</sup>	A+	A	-	-
Annual energy consumption			kWh/a	2085	4084	-
<b>Electrical data</b>						
Power supply	Outdoor unit	Ph-V-Hz	1-220~240V-50Hz	3-380~415V-50Hz		
Power cable		Type	3 x 4 mm <sup>2</sup>	5 x 4 mm <sup>2</sup>	5 x 4 mm <sup>2</sup>	5 x 4 mm <sup>2</sup>
Connection wires between I.U. and O.U.		no.	4	4	4	4
Absorbed current	Cooling	A	8.70	4.60	6.10	7.40
	Heating	A	9.90	5.00	6.40	7.70
Maximum current		A	19.10	14.00	14.00	14.00
Maximum absorbed power		kW	4.11	8.90	8.90	8.90
<b>Refrigerant circuit</b>						
Refrigerant <sup>4</sup>		Type (GWP)	R32 (675)			
Quantity refrigerant pre-load		Kg	2.75	4	4	4
Tons of CO <sub>2</sub> equivalent		t	1.856	2.700	2.700	2.700
Diameter of refrigerant piping on liquid/gas		mm (inches)	ø9.52 (3/8") - ø15.88(5/8")	ø9.52 (3/8") - ø15.88(5/8")	ø9.52 (3/8") - ø15.88(5/8")	ø9.52 (3/8") - ø15.88(5/8")
Max splitting length	Min/Max	m	-/50	3/100	3/100	3/100
Max height difference I.U./O.U.	O.U. above/O.U. under	m	30/15	50/15	50/15	50/15
Split length without additional charge		m	30	30	30	30
Additional load		g/m	54	54	54	54
<b>Indoor unit specifications</b>						
Dimensions	LxDxH	mm	600x329x1850	600x329x1850	600x329x1850	600x329x1850
Net weight		Kg	47	49	49	49
Sound power level	Max	dB(A)	55	65	67	67
Sound pressure level	P-Hi/Hi/Me/Lo	dB(A)	42/39/35/33	53/51/49/44	55/51/49/44	55/51/49/44
Treated air volume	P-Hi/Hi/Me/Lo	m <sup>3</sup> /h	1080/960/840/720	1620/1560/1380/1140	1740/1560/1380/1140	1740/1560/1380/1140
Refrigerant gas leak detector			Included			
<b>Outdoor unit specifications</b>						
Dimensions	LxDxH	mm	880(+88)x340x750	970x370x1300	970x370x1300	970x370x1300
Net weight		Kg	60	99	99	99
Sound power level	Max	dB(A)	66	67	70	71
Sound pressure level	Max	dB(A)	51	53	54	54
Treated air volume	Max	m <sup>3</sup> /h	3600	6000	6000	6000
Operating limits (outside temperature)	Cooling	°C	-15~+50			
	Heating	°C	-20~+20			
<b>Optional parts</b>						
Wi-Fi module			INWFIMH001R000			
Human sensor (KIT)			LB-KIT2			
SUPERLINK II interface			SC-ADNA-E			
IR remote control (KIT)			RCN-KIT4-E2			

1. Value measured according to the harmonised standard EN 14511. 2. EU Regulation No. 206/2012 -- Value measured according to the harmonised standard EN 14825. 3. Delegated Regulation (EU) No 626/2011 regarding the new energy labelling of air conditioners. 4. Refrigerant leakage contributes to climate change. When released into the atmosphere, refrigerants with a lower global warming potential (GWP) contribute less to global warming than those with a higher GWP. This appliance contains a refrigerant with a GWP of 675. If 1 kg of this refrigerant fluid were released into the atmosphere, therefore, the impact on global warming would be 675 times higher than 1 kg of CO<sub>2</sub> over a period of 100 years. Under no circumstances should the user try to intervene on the refrigerant circuit or disassemble the product. Always contact qualified personnel if necessary.

# MONOSPLIT HYPER

## Wall



SRK 71-100 ZR-WF

- **339 mm**  
Height
- **100 m**  
Split length
- **28 dB(A)**  
Sound power level (7.10 kW), maximum quiet
- Antibacterial treatment on fan
- The powerful air flow is realized with Jet technology
- Ideal for large living rooms and shops
- Equipped with dust and photocatalytic filters

Indoor unit model			SRK 71 ZR-WF		SRK 100 ZR-WF	
Outdoor unit model			FDC 71 VNX-W		FDC 100 VSX-W	
Type			DC-Inverter heat pump			
Control (included)			Remote control			
<b>Nominal data</b>						
Rated capacity (T=+35°C)	Cooling	kW	7.10 (3.20~8.00)		10.00 (3.50~11.20)	
Rated absorbed power (T=+35°C)		kW	1.93		2.74	
Rated energy efficiency coefficient		EER1	3.68		3.65	
Rated capacity (T=+7°C)	Heating	kW	8.00 (3.60~9.00)		11.20 (2.70~16.00)	
Rated absorbed power (T=+7°C)		kW	1.78		3.04	
Rated energy performance coefficient		COP1	4.49		3.69	
<b>Seasonal data</b>						
Theoretical load (Pdesignc)	Cooling	kW	7.10		10.00	
Seasonal energy efficiency index		SEER2	6.80		6.54	
Seasonal energy efficiency class		626/20113	A++		A++	
Annual energy consumption		kWh/a	366		535	
Theoretical load (Pdesignh) @-10°C	Heating (average climate conditions)	kW	5.80		10.50	
Seasonal energy efficiency index		SCOP2	4.56		4.01	
Seasonal energy efficiency class		626/20113	A+		A	
Annual energy consumption		kWh/a	1782		3671	
<b>Electrical data</b>						
Power supply	Outdoor unit	Ph-V-Hz	1-220~240V-50Hz		3-380~415V-50Hz	
Power cable		Type	3 x 4 mm <sup>2</sup>		5 x 4 mm <sup>2</sup>	
Connection wires between I.U. and O.U.		no.	4		4	
Absorbed current	Cooling	A	8.60		4.70	
	Heating	A	7.90		5.10	
Maximum current		A	19.10		14.00	
Maximum absorbed power		kW	4.11		8.90	
<b>Refrigerant circuit</b>						
Refrigerant <sup>4</sup>	Type (GWP)	R32 (675)				
Quantity refrigerant pre-load	Kg	2.75		4		
Tons of CO2 equivalent	t	1.856		2.700		
Diameter of refrigerant piping on liquid/gas	mm (inches)	ø9.52 (3/8") - ø15.88(5/8")		ø9.52 (3/8") - ø15.88(5/8")		
Max splitting length	Min/Max	m	3/50		3/100	
Max height difference I.U./O.U.	O.U. above/O.U. under	m	30/15		50/15	
Split length without additional charge		m	30		30	
Additional load		g/m	54		54	
<b>Indoor unit specifications</b>						
Dimensions	LxDxH	mm	1197x262x339		1197x262x339	
Net weight		kg	15.5		16.5	
Sound power level	Max	dB(A)	60		63	
Sound pressure level (Hi/Mi/Lo/Ulo)	Cooling	dB(A)	44/41/37/25		48/45/40/27	
	Heating		46/39/35/28		48/43/38/30	
Treated air volume (Hi/Mi/Lo/Ulo)	Cooling	m <sup>3</sup> /h	1230/1116/972/624		1470/1278/1056/624	
	Heating		1500/1188/1038/798		1650/1392/1146/816	
<b>Outdoor unit specifications</b>						
Dimensions	LxDxH	mm	880(+88)x340x750		970x370x1300	
Net weight		kg	60		99	
Sound power level	Max	dB(A)	66		67	
Sound pressure level	Max	dB(A)	51		53	
Treated air volume	Max	m <sup>3</sup> /h	3600		6000	
Operating limits (outside temperature)	Cooling	°C			-15~+50	
	Heating	°C			-20~+20	
<b>Optional parts</b>						
Wi-Fi module						Included
Interface for home automation connection and wired control <sup>5</sup>						SC-BIKN2-E

1. Value measured according to the harmonised standard EN 14511. 2. EU Regulation No. 206/2012 -- Value measured according to the harmonised standard EN 14825. 3. Delegated Regulation (EU) No 626/2011 regarding the new energy labelling of air conditioners. 4. Refrigerant leakage contributes to climate change. When released into the atmosphere, refrigerants with a lower global warming potential (GWP) contribute less to global warming than those with a higher GWP. This appliance contains a refrigerant with a GWP of 675. If 1 kg of this refrigerant fluid were released into the atmosphere, therefore, the impact on global warming would be 675 times higher than 1 kg of CO<sub>2</sub> over a period of 100 years. Under no circumstances should the user try to intervene on the refrigerant circuit or disassemble the product. Always contact qualified personnel if necessary. 5. Home automation and optional protocols with dedicated interfaces: KNX, Modbus, BACnet.



# SUPER SERIE



Design flexibility thanks to the small size of the units

Application solutions that meet the installation requirements of both small and medium commercial areas and industrial contexts

- **SEER up to 7.13**  
Improved seasonal efficiency
- **SCOP up to 4.60**  
Improved seasonal efficiency
- Compact dimensions up to 6HP
- Improved installation flexibility: height difference I.U.-O.U. 50 m
- Wide availability of indoor units
- New PCB cooling system: a refrigerant pipe branch passes to the base of the PCB to prevent overheating



VNA-W = SINGLE-PHASE;  
VSA-W= THREE-PHASE

FDC 100 VNA-W/VSA-W (4HP)  
FDC 125 VNA-W/VSA-W (5HP)  
FDC 140 VNA-W/VSA-W (6HP)

FDC 200 VSA-W (8HP)  
FDC 250 VSA-W (10HP)  
FDC 280 VSA-W (12HP)

# MONOSPLIT SUPER

## Cassette 84x84

NEW



FDT 100-125-140 VH  
Standard white panel  
T-PSA-5BW-E

FDT 100-125-140 VH  
Anti-draft white panel  
T-PSAE-5BW-E

FDT 100-125-140 VH  
Standard black panel  
T-PSA-5BB-E

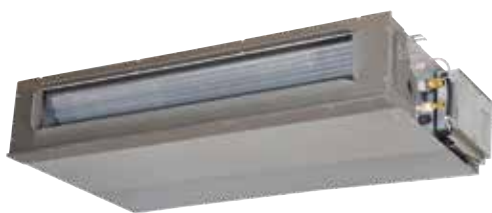
FDT 100-125-140 VH  
Black anti-draft pane  
T-PSAE-5BB-E

Indoor unit model			FDT 100 VH	FDT 100 VH	FDT 125 VH	FDT 125 VH	FDT 140 VH	FDT 140 VH
Outdoor unit model			FDC 100 VNA-W	FDC 100 VSA-W	FDC 125 VNA-W	FDC 125 VSA-W	FDC 140 VNA-W	FDC 140 VSA-W
Type			DC-Inverter heat pump					
<b>Nominal data</b>								
Rated capacity (T=+35°C)	Cooling	kW	10.00 (4.00~11.20)		12.50 (5.00~14.00)		13.60 (5.00~14.50)	
Rated absorbed power (T=+35°C)		kW	2.73		4.05		4.79	
Rated energy efficiency coefficient		EER <sup>1</sup>	3.66		3.09		2.84	
Rated capacity (T=+7°C)	Heating	kW	11.20 (4.00~12.50)		14.00 (4.00~16.00)		15.50 (4.00~16.50)	
Rated absorbed power (T=+7°C)		kW	2.54		3.59		4.18	
Rated energy performance coefficient		COP <sup>1</sup>	4.41		3.90		3.71	
<b>Seasonal data</b>								
Theoretical load (Pdesignc)	Cooling	kW	10.00		12.50		13.60	
Seasonal energy efficiency index		SEER <sup>2</sup>	7.13		6.53		6.17	
Seasonal energy efficiency class		626/2011 <sup>3</sup>	A++		-		-	
Annual energy consumption		kWh/a	491		-		-	
Theoretical load (Pdesignh) @-10°C	Heating (average climate conditions)	kW	8.50		14.00		15.50	
Seasonal energy efficiency index		SCOP <sup>2</sup>	4.60		4.38		4.42	
Seasonal energy efficiency class		626/2011 <sup>3</sup>	A++		-		-	
Annual energy consumption		kWh/a	2590		-		-	
<b>Electrical data</b>								
Power supply	Outdoor unit	Ph-V-Hz	1-220~240V-50Hz	3-380~415V-50Hz	1-220~240V-50Hz	3-380~415V-50Hz	1-220~240V-50Hz	3-380~415V-50Hz
Power cable		Type	3 x 6 mm <sup>2</sup>	5 x 4 mm <sup>2</sup>	3 x 6 mm <sup>2</sup>	5 x 4 mm <sup>2</sup>	3 x 6 mm <sup>2</sup>	5 x 4 mm <sup>2</sup>
Connection wires between I.U. and O.U.		no.	4	4	4	4	4	4
Absorbed current	Cooling	A	13.20	4.20	18.70	6.20	21.50	7.40
	Heating	A	12.40	3.90	16.80	5.50	18.50	6.60
Maximum current		A	24.00	15.00	24.00	15.00	24.00	15.00
Maximum absorbed power		kW	6.40	10.20	6.40	10.20	6.40	10.20
<b>Refrigerant circuit</b>								
Refrigerant <sup>4</sup>		Type (GWP)	R32 (675)					
Quantity refrigerant pre-load		Kg	3.3		3.3		3.3	
Tons of CO <sub>2</sub> equivalent		t	2.228		2.228		2.228	
Diameter of refrigerant piping on liquid/gas		mm (inches)	ø9.52 (3/8") - ø15.88(5/8")		ø9.52 (3/8") - ø15.88(5/8")		ø9.52 (3/8") - ø15.88(5/8")	
Max splitting length		m	50		50		50	
Max height difference I.U./O.U.	O.U. above/O.U. under	m	50/15		50/15		50/15	
Split length without additional charge		m	30		30		30	
Additional load		g/m	54		54		54	
<b>Indoor unit specifications</b>								
Dimensions	LxDxH	mm	840x840x298		840x840x298		840x840x298	
Net weight		Kg	25		25		25	
Sound power level	Max	dB(A)	62		64		64	
Sound pressure level (P-Hi/Hi/Mi/Lo)	Cooling	dB(A)	47/39/36/30		48/41/39/31		48/42/39/32	
	Heating	dB(A)	47/39/36/29		48/41/38/31		48/41/38/31	
Treated air volume	P-Hi/Hi/Me/Lo	m <sup>3</sup> /h	2220/1560/1380/1020		2280/1680/1500/1080		2280/1740/1560/1140	
<b>Outdoor unit specifications</b>								
Dimensions	LxDxH	mm	970x370x845		970x370x845		970x370x845	
Net weight		Kg	77	78	77	78	77	78
Sound power level	Max	dB(A)	70		71		73	
Sound pressure level	Max	dB(A)	55		56		58	
Treated air volume	Max	m <sup>3</sup> /h	4500		4500		4500	
Operating limits (outside temperature)	Cooling	°C	-15~+50		-15~+50		-15~+50	
	Heating	°C	-20~+20		-20~+20		-20~+20	
<b>Accessories</b>								
<b>Standard panel</b>			T-PSA-5BW-E (white) / T-PSA-5BB-E (black)					
Dimensions	LxDxH	mm	950x950x35		950x950x35		950x950x35	
Net weight		Kg	5		5		5	
Wired remote control			RC-E5 (LCD) / RC-EX3A (touch) / RCH-E3 (simplified)					
IR remote control (corner KIT)			RCN-T-5BW-E2 (white) / RCN-T-5BB-E2 (black)					
<b>Optional parts</b>								
Wi-Fi module			INWFIMH001R000					
Human sensor (corner KIT)			LB-T-5BW-E (white) / LB-T-5BB-E (black)					
SUPERLINK II interface			SC-ADNA-E					
Anti-draft panel			T-PSAE-5BW-E (white) / T-PSAE-5BB-E (black)					

1. Value measured according to the harmonised standard EN 14511. 2. EU Regulation No. 206/2012 -- Value measured according to the harmonised standard EN 14825. 3. Delegated Regulation (EU) No 626/2011 regarding the new energy labelling of air conditioners. 4. Refrigerant leakage contributes to climate change. When released into the atmosphere, refrigerants with a lower global warming potential (GWP) contribute less to global warming than those with a higher GWP. This appliance contains a refrigerant with a GWP of 675. If 1 kg of this refrigerant fluid were released into the atmosphere, therefore, the impact on global warming would be 675 times higher than 1 kg of CO<sub>2</sub> over a period of 100 years. Under no circumstances should the user try to intervene on the refrigerant circuit or disassemble the product. Always contact qualified personnel if necessary.

## MONOSPLIT SUPER

### Ducted with medium adjustable head



FDUM 100-125-140 VH

- **max 100**  
Fan pressure head
- Unit with bottom or rear air intake
- **280 mm**  
Height
- **50 m**  
Split length
- ESP function: automatic maintenance of the air flow rate as flow resistance varies
- Filter not included
- Compatible with **AIRZONE** systems

Indoor unit model			FDUM 100 VH	FDUM 100 VH	FDUM 125 VH	FDUM 125 VH	FDUM 140 VH	FDUM 140 VH
Outdoor unit model			FDC 100 VNA-W	FDC 100 VSA-W	FDC 125 VNA-W	FDC 125 VSA-W	FDC 140 VNA-W	FDC 140 VSA-W
Type			DC-Inverter heat pump					
<b>Nominal data</b>								
Rated capacity (T=+35°C)	Cooling	kW	10.00 (4.00~11.20)		12.50 (5.00~14.00)		13.60 (5.00~14.50)	
Rated absorbed power (T=+35°C)		kW	2.99		4.36		5.13	
Rated energy efficiency coefficient		EER <sup>1</sup>	3.35		2.87		2.65	
Rated capacity (T=+7°C)	Heating	kW	11.20 (4.00~12.50)		14.00 (4.00~16.00)		15.50 (4.00~16.50)	
Rated absorbed power (T=+7°C)		kW	2.66		3.69		4.21	
Rated energy performance coefficient		COP <sup>1</sup>	4.21		3.79		3.68	
<b>Seasonal data</b>								
Theoretical load (Pdesignc)	Cooling	kW	10.00		12.50		13.60	
Seasonal energy efficiency index		SEER <sup>2</sup>	6.11		5.57		5.30	
Seasonal energy efficiency class		626/2011 <sup>3</sup>	A++		-		-	
Annual energy consumption		kWh/a	574		-		-	
Theoretical load (Pdesignh) @-10°C	Heating (average climate conditions)	kW	8.50		14.00		15.50	
Seasonal energy efficiency index		SCOP <sup>2</sup>	4.19		4.13		4.01	
Seasonal energy efficiency class		626/2011 <sup>3</sup>	A+		-		-	
Annual energy consumption		kWh/a	2843		-		-	
<b>Electrical data</b>								
Power supply	Outdoor unit	Ph-V-Hz	1-220~240V-50Hz	3-380~415V-50Hz	1-220~240V-50Hz	3-380~415V-50Hz	1-220~240V-50Hz	3-380~415V-50Hz
Power cable		Type	3 x 6 mm <sup>2</sup>	5 x 4 mm <sup>2</sup>	3 x 6 mm <sup>2</sup>	5 x 4 mm <sup>2</sup>	3 x 6 mm <sup>2</sup>	5 x 4 mm <sup>2</sup>
Connection wires between I.U. and O.U.		no.	4	4	4	4	4	4
Absorbed current	Cooling	A	14.30	4.60	20.40	6.80	23.70	8.10
	Heating	A	12.70	4.10	17.80	5.90	20.30	6.80
Maximum current		A	26.00	17.00	26.00	17.00	27.00	18.00
Maximum absorbed power		kW	6.40	10.20	6.40	10.20	6.40	10.20
<b>Refrigerant circuit</b>								
Refrigerant <sup>4</sup>		Type (GWP)	R32 (675)					
Quantity refrigerant pre-load		Kg	3.3		3.3		3.3	
Tons of CO <sub>2</sub> equivalent		t	2.228		2.228		2.228	
Diameter of refrigerant piping on liquid/gas		mm (inches)	ø9.52 (3/8") - ø15.88(5/8")		ø9.52 (3/8") - ø15.88(5/8")		ø9.52 (3/8") - ø15.88(5/8")	
Max splitting length		m	50		50		50	
Max height difference I.U./O.U.	O.U. above/O.U. under	m	50/15		50/15		50/15	
Split length without additional charge		m	30		30		30	
Additional load		g/m	54		54		54	
<b>Indoor unit specifications</b>								
Dimensions	LxDxH	mm	1370x740x280		1370x740x280		1370x740x280	
Net weight		Kg	54		54		54	
Sound power level	Max	dB(A)	65		67		70	
Sound pressure level	P-Hi/Hi/Me/Lo	dB(A)	44/38/36/30		45/40/34/29		47/40/35/30	
Treated air volume	P-Hi/Hi/Me/Lo	m <sup>3</sup> /h	2160/1680/1500/1140		2340/1920/1560/1200		2880/2100/1680/1320	
Fan pressure head	Std/Max	Pa	60/100		60/100		60/100	
<b>Outdoor unit specifications</b>								
Dimensions	LxDxH	mm	970x370x845		970x370x845		970x370x845	
Net weight		Kg	77	78	77	78	77	78
Sound power level	Max	dB(A)	70		71		73	
Sound pressure level	Max	dB(A)	55		56		58	
Treated air volume	Max	m <sup>3</sup> /h	4500		4500		4500	
Operating limits (outside temperature)	Cooling	°C	-15~+50					
	Heating	°C	-20~+20					
<b>Accessories</b>								
Wired remote control			RC-E5 (LCD) / RC-EX3A (touch) / RC-EX23A (touch + zone control) / RCH-E3 (simplified)					
IR remote control (KIT)			RCN-KIT4-E2					
<b>Optional parts</b>								
Wi-Fi module			INWFIMH1001R000					
Human sensor (KIT)			LB-KIT2					
SUPERLINK II interface			SC-ADNA-E					
Recovery filter (KIT)			UM-FL3EF					

1. Value measured according to the harmonised standard EN 14511. 2. EU Regulation No. 206/2012 -- Value measured according to the harmonised standard EN 14825. 3. Delegated Regulation (EU) No 626/2011 regarding the new energy labelling of air conditioners. 4. Refrigerant leakage contributes to climate change. When released into the atmosphere, refrigerants with a lower global warming potential (GWP) contribute less to global warming than those with a higher GWP. This appliance contains a refrigerant with a GWP of 675. If 1 kg of this refrigerant fluid were released into the atmosphere, therefore, the impact on global warming would be 675 times higher than 1 kg of CO<sub>2</sub>, over a period of 100 years. Under no circumstances should the user try to intervene on the refrigerant circuit or disassemble the product. Always contact qualified personnel if necessary.

# MONOSPLIT SUPER

## Ducted with high adjustable head



FDU 100-125-140 VH

- **max 200**  
Fan pressure head
- Unit with bottom or rear air intake
- **280 mm**  
Height
- **50 m**  
Split length
- ESP function: automatic maintenance of the air flow rate as flow resistance varies
- Filter not included
- Compatible with **AIRZONE** systems

Indoor unit model			FDU 100 VH	FDU 100 VH	FDU 125 VH	FDU 125 VH	FDU 140 VH	FDU 140 VH
Outdoor unit model			FDC 100 VNA-W	FDC 100 VSA-W	FDC 125 VNA-W	FDC 125 VSA-W	FDC 140 VNA-W	FDC 140 VSA-W
Type			DC-Inverter heat pump					
<b>Nominal data</b>								
Rated capacity (T=+35°C)	Cooling	kW	10.00 (4.00~11.20)		12.50 (5.00~14.00)		13.60 (5.00~14.50)	
Rated absorbed power (T=+35°C)		kW	2.99		4.36		5.13	
Rated energy efficiency coefficient		EER <sup>1</sup>	3.35		2.87		2.65	
Rated capacity (T=+7°C)	Heating	kW	11.20 (4.00~12.50)		14.00 (4.00~16.00)		15.50 (4.00~16.50)	
Rated absorbed power (T=+7°C)		kW	2.66		3.69		4.21	
Rated energy performance coefficient		COP <sup>1</sup>	4.21		3.79		3.68	
<b>Seasonal data</b>								
Theoretical load (Pdesignc)	Cooling	kW	10.00		12.50		13.60	
Seasonal energy efficiency index		SEER <sup>2</sup>	6.11		5.57		5.30	
Seasonal energy efficiency class		626/2011 <sup>3</sup>	A++		-		-	
Annual energy consumption		kWh/a	574		-		-	
Theoretical load (Pdesignh) @-10°C	Heating (average climate conditions)	kW	8.50		14.00		15.50	
Seasonal energy efficiency index		SCOP <sup>2</sup>	4.19		4.13		4.01	
Seasonal energy efficiency class		626/2011 <sup>3</sup>	A+		-		-	
Annual energy consumption		kWh/a	2843		-		-	
<b>Electrical data</b>								
Power supply	Outdoor unit	Ph-V-Hz	1-220~240V-50Hz	3-380~415V-50Hz	1-220~240V-50Hz	3-380~415V-50Hz	1-220~240V-50Hz	3-380~415V-50Hz
Power cable		Type	3 x 6 mm <sup>2</sup>	5 x 4 mm <sup>2</sup>	3 x 6 mm <sup>2</sup>	5 x 4 mm <sup>2</sup>	3 x 6 mm <sup>2</sup>	5 x 4 mm <sup>2</sup>
Connection wires between I.U. and O.U.		no.	4	4	4	4	4	4
Absorbed current	Cooling	A	14.30	4.60	20.40	6.80	23.70	8.10
	Heating	A	12.70	4.10	17.80	5.90	20.30	6.80
Maximum current		A	26.00	17.00	26.00	17.00	27.00	18.00
Maximum absorbed power		kW	6.40	10.20	6.40	10.20	6.40	10.20
<b>Refrigerant circuit</b>								
Refrigerant <sup>4</sup>		Type (GWP)	R32 (675)					
Quantity refrigerant pre-load		Kg	3.3		3.3		3.3	
Tons of CO <sub>2</sub> equivalent		t	2.228		2.228		2.228	
Diameter of refrigerant piping on liquid/gas		mm (inches)	ø9.52 (3/8") - ø15.88(5/8")		ø9.52 (3/8") - ø15.88(5/8")		ø9.52 (3/8") - ø15.88(5/8")	
Max splitting length		m	50		50		50	
Max height difference I.U./O.U.	O.U. above/O.U. under	m	50/15		50/15		50/15	
Split length without additional charge		m	30		30		30	
Additional load		g/m	54		54		54	
<b>Indoor unit specifications</b>								
Dimensions	LxDxH	mm	1370x740x280		1370x740x280		1370x740x280	
Net weight		Kg	54		54		54	
Sound power level	Max	dB(A)	65		67		70	
Sound pressure level	P-Hi/Hi/Me/Lo	dB(A)	44/38/36/30		45/40/34/29		47/40/35/30	
Treated air volume	P-Hi/Hi/Me/Lo	m <sup>3</sup> /h	2160/1680/1500/1140		2340/1920/1560/1200		2880/2100/1680/1320	
Fan pressure head	Std/Max	Pa	60/200		60/200		60/200	
<b>Outdoor unit specifications</b>								
Dimensions	LxDxH	mm	970x370x845		970x370x845		970x370x845	
Net weight		Kg	77	78	77	78	77	78
Sound power level	Max	dB(A)	70		71		73	
Sound pressure level	Max	dB(A)	55		56		58	
Treated air volume	Max	m <sup>3</sup> /h	4500		4500		4500	
Operating limits (outside temperature)	Cooling	°C	-15~+50					
	Heating	°C	-20~+20					
<b>Accessories</b>								
Wired remote control			RC-E5 (LCD) / RC-EX3A (touch) / RC-EX23A (touch + zone control) / RCH-E3 (simplified)					
IR remote control (KIT)			RCN-KIT4-E2					
<b>Optional parts</b>								
Wi-Fi module			INWFIMH1001R000					
Human sensor (KIT)			LB-KIT2					
SUPERLINK II interface			SC-ADNA-E					

1. Value measured according to the harmonised standard EN 14511. 2. EU Regulation No. 206/2012 -- Value measured according to the harmonised standard EN 14825. 3. Delegated Regulation (EU) No 626/2011 regarding the new energy labelling of air conditioners. 4. Refrigerant leakage contributes to climate change. When released into the atmosphere, refrigerants with a lower global warming potential (GWP) contribute less to global warming than those with a higher GWP. This appliance contains a refrigerant with a GWP of 675. If 1 kg of this refrigerant fluid were released into the atmosphere, therefore, the impact on global warming would be 675 times higher than 1 kg of CO<sub>2</sub> over a period of 100 years. Under no circumstances should the user try to intervene on the refrigerant circuit or disassemble the product. Always contact qualified personnel if necessary.

## MONOSPLIT SUPER

### Ducted with high adjustable head



- **max 200**  
Fan pressure head
- Unit with bottom or rear air intake
- **70 m**  
Split length (20.00~25.00 kW)
- ESP function: automatic maintenance of the air flow rate as flow resistance varies

FDU 200-250-280 VH

Indoor unit model		FDU 200 VH		FDU 250 VH		FDU 280 VH	
Outdoor unit model		FDC 200 VSA-W		FDC 250 VSA-W		FDC 280 VSA-W	
Type		DC-Inverter heat pump					
<b>Nominal data</b>							
Rated capacity (T <sub>in</sub> =+35°C)	Cooling	kW	20.00 (7.20~22.40)	25.00 (7.20~28.00)	27.00 (6.90~31.50)		
Rated absorbed power (T <sub>in</sub> =+35°C)		kW	6.15	8.25	9.15		
Rated energy efficiency coefficient		EER <sup>1</sup>	3.25	3.03	2.95		
Rated capacity (T <sub>in</sub> =+7°C)	Heating	kW	22.40 (6.50~25.00)	28.00 (6.70~31.50)	30.00 (6.90~33.50)		
Rated absorbed power (T <sub>in</sub> =+7°C)		kW	5.67	7.55	9.12		
Rated energy performance coefficient		COP <sup>1</sup>	3.95	3.75	3.29		
<b>Seasonal data</b>							
Theoretical load (P <sub>designc</sub> )	Cooling	kW	20.00	25.00	27.00		
Seasonal energy efficiency index		SEER <sup>2</sup>	5.90	4.89	4.93		
Seasonal energy efficiency class		626/2011 <sup>3</sup>	-	-	-		
Annual energy consumption		kWh/a	-	-	-		
Theoretical load (P <sub>designh</sub> ) @-10°C	Heating (average climate conditions)	kW	22.40	28.00	30.00		
Seasonal energy efficiency index		SCOP <sup>2</sup>	3.55	3.54	3.70		
Seasonal energy efficiency class		626/2011 <sup>3</sup>	-	-	-		
Annual energy consumption		kWh/a	-	-	-		
<b>Electrical data</b>							
Power supply	Outdoor unit	Ph-V-Hz	3-380~415V-50Hz				
Power cable		Type	5 x 6 mm <sup>2</sup>	5 x 6 mm <sup>2</sup>	5 x 6 mm <sup>2</sup>		
Connection wires between I.U. and O.U.		no.	4	4	4		
Absorbed current	Cooling	A	9.80	12.70	14.20		
	Heating	A	8.90	11.60	14.00		
Maximum current		A	23.00	25.00	25.00		
Maximum absorbed power		kW	12.00	11.20	11.40		
<b>Refrigerant circuit</b>							
Refrigerant <sup>4</sup>		Type (GWP)	R32 (675)				
Quantity refrigerant pre-load		Kg	4.3	5.1	5.6		
Tons of CO <sub>2</sub> equivalent		t	2.903	3.443	3.780		
Diameter of refrigerant piping on liquid/gas		mm (inches)	ø9.52 (3/8") - ø22.2 (7/8") <sup>5</sup>	ø12.7 (1/2") - ø22.2 (7/8") <sup>5</sup>	ø12.7 (1/2") - ø22.2 (7/8") <sup>5</sup>		
Max splitting length		m	70	70	60		
Max height difference I.U./O.U.	O.U. above/O.U. under	m	50/15	50/15	50/15		
Split length without additional charge		m	30	30	30		
Additional load		g/m	Consult the technical manual <sup>5</sup>				
<b>Indoor unit specifications</b>							
Dimensions	LxDxH	mm	1600x893x379	1600x893x379	1600x893x379		
Net weight		Kg	88	88	88		
Sound power level	Max	dB(A)	78	78	78		
Sound pressure level	P-Hi/Hi/Me/Lo	dB(A)	52/50/47/45	52/50/47/45	52/50/47/45		
Treated air volume	P-Hi/Hi/Me/Lo	m <sup>3</sup> /h	4800/4320/3840/3360	4800/4320/3840/3360	4800/4320/3840/3360		
Fan pressure head	Std/Max	Pa	72/200	72/200	72/200		
<b>Outdoor unit specifications</b>							
Dimensions	LxDxH	mm	970x370x1505	970x370x1505	970x370x1505		
Net weight		Kg	144	145	155		
Sound power level	Max	dB(A)	74	75	77		
Sound pressure level	Max	dB(A)	59	62	63		
Treated air volume	Max	m <sup>3</sup> /h	8880	9180	8400		
Operating limits (outside temperature)	Cooling	°C	-15~+50				
	Heating	°C	-20~+20				
<b>Accessories</b>							
Wired remote control	RC-E5 (LCD) / RC-EX3A (touch) / RC-EX23A (touch + zone control) / RCH-E3 (simplified)						
IR remote control (KIT)	RCN-KIT4-E2						
<b>Optional parts</b>							
Wi-Fi module	INWFIMH1001R000						
Human sensor (KIT)	LB-KIT2						
SUPERLINK II interface	SC-ADNA-E						

1. Value measured according to the harmonised standard EN 14511. 2. EU Regulation No. 206/2012 -- Value measured according to the harmonised standard EN 14825. 3. Delegated Regulation (EU) No 626/2011 regarding the new energy labelling of air conditioners. 4. Refrigerant leakage contributes to climate change. When released into the atmosphere, refrigerants with a lower global warming potential (GWP) contribute less to global warming than those with a higher GWP. This appliance contains a refrigerant with a GWP of 675. If 1 kg of this refrigerant fluid were released into the atmosphere, therefore, the impact on global warming would be 675 times higher than 1 kg of CO<sub>2</sub> over a period of 100 years. Under no circumstances should the user try to intervene on the refrigerant circuit or disassemble the product. Always contact qualified personnel if necessary.



# MONOSPLIT SUPER

## Ceiling



- Ideal for very large environments, thanks to the particularly wide air flow
- **50 m** Split length
- Versatile installation thanks to drain pipe and refrigerant flexibility
- Polypropylene filter included

FDE 100-125-140 VH

Indoor unit model	FDE 100 VH		FDE 100 VH		FDE 125 VH		FDE 125 VH		FDE 140 VH		FDE 140 VH			
Outdoor unit model	FDC 100 VNA-W		FDC 100 VSA-W		FDC 125 VNA-W		FDC 125 VSA-W		FDC 140 VNA-W		FDC 140 VSA-W			
Type	DC-Inverter heat pump													
<b>Nominal data</b>														
Rated capacity (T=+35°C)	Cooling	kW	10.00 (4.00~11.20)		12.50 (5.00~14.00)		13.60 (5.00~14.50)							
Rated absorbed power (T=+35°C)		kW	2.85		4.45		5.05							
Rated energy efficiency coefficient		EER <sup>1</sup>	3.51		2.81		2.69							
Rated capacity (T=+7°C)	Heating	kW	11.20 (4.00~12.50)		14.00 (4.00~16.00)		15.50 (4.00~16.50)							
Rated absorbed power (T=+7°C)		kW	2.54		3.74		4.18							
Rated energy performance coefficient		COP <sup>1</sup>	4.41		3.74		3.71							
<b>Seasonal data</b>														
Theoretical load (Pdesignc)	Cooling	kW	10.00		12.50		13.60							
Seasonal energy efficiency index		SEER <sup>2</sup>	6.67		6.03		5.76							
Seasonal energy efficiency class		626/2011 <sup>3</sup>	A++		-		-							
Annual energy consumption		kWh/a	525		-		-							
Theoretical load (Pdesignh) @-10°C	Heating (average climate conditions)	kW	8.50		14.00		15.50							
Seasonal energy efficiency index		SCOP <sup>2</sup>	4.31		4.30		4.24							
Seasonal energy efficiency class		626/2011 <sup>3</sup>	A+		-		-							
Annual energy consumption		kWh/a	2764		-		-							
<b>Electrical data</b>														
Power supply	Outdoor unit	Ph-V-Hz	1-220~240V-50Hz		3-380~415V-50Hz		1-220~240V-50Hz		3-380~415V-50Hz		1-220~240V-50Hz		3-380~415V-50Hz	
Power cable		Type	3 x 6 mm <sup>2</sup>		5 x 4 mm <sup>2</sup>		3 x 6 mm <sup>2</sup>		5 x 4 mm <sup>2</sup>		3 x 6 mm <sup>2</sup>		5 x 4 mm <sup>2</sup>	
Connection wires between I.U. and O.U.		no.	4		4		4		4		4		4	
Absorbed current	Cooling	A	13.80		4.60		20.40		6.90		22.20		7.80	
		Heating	A	12.40		4.00		17.50		5.90		18.40		6.50
Maximum current		A	24.00		15.00		24.00		15.00		24.00		15.00	
Maximum absorbed power		kW	6.40		10.20		6.40		10.20		6.40		10.20	
<b>Refrigerant circuit</b>														
Refrigerant <sup>4</sup>		Type (GWP)	R32 (675)											
Quantity refrigerant pre-load		Kg	3.3		3.3		3.3		3.3		3.3		3.3	
Tons of CO2 equivalent		t	2.228		2.228		2.228		2.228		2.228		2.228	
Diameter of refrigerant piping on liquid/gas		mm (inches)	ø9.52 (3/8") - ø15.88(5/8")		ø9.52 (3/8") - ø15.88(5/8")		ø9.52 (3/8") - ø15.88(5/8")		ø9.52 (3/8") - ø15.88(5/8")		ø9.52 (3/8") - ø15.88(5/8")		ø9.52 (3/8") - ø15.88(5/8")	
Max splitting length		m	50		50		50		50		50		50	
Max height difference I.U./O.U.	O.U. above/O.U. under	m	50/15		50/15		50/15		50/15		50/15		50/15	
Split length without additional charge		m	30		30		30		30		30		30	
Additional load		g/m	54		54		54		54		54		54	
<b>Indoor unit specifications</b>														
Dimensions	LxDxH	mm	1620x690x250		1620x690x250		1620x690x250		1620x690x250		1620x690x250		1620x690x250	
Net weight		Kg	43		43		43		43		43		43	
Sound power level	Max	dB(A)	64		64		64		64		65		65	
Sound pressure level	P-Hi/Hi/Me/Lo	dB(A)	48/43/38/34		48/45/40/35		48/45/40/35		49/45/40/36		49/45/40/36		49/45/40/36	
Treated air volume	P-Hi/Hi/Me/Lo	m <sup>3</sup> /h	1920/1560/1260/990		1920/1740/1380/1020		1920/1740/1380/1020		2040/1740/1380/1080		2040/1740/1380/1080		2040/1740/1380/1080	
<b>Outdoor unit specifications</b>														
Dimensions	LxDxH	mm	970x370x845		970x370x845		970x370x845		970x370x845		970x370x845		970x370x845	
Net weight		Kg	77		78		77		78		77		78	
Sound power level	Max	dB(A)	70		71		71		73		73		73	
Sound pressure level	Max	dB(A)	55		56		56		58		58		58	
Treated air volume	Max	m <sup>3</sup> /h	4500		4500		4500		4500		4500		4500	
Operating limits (outside temperature)	Cooling	°C			-15~+50		-15~+50		-15~+50		-15~+50		-15~+50	
	Heating	°C			-20~+20		-20~+20		-20~+20		-20~+20		-20~+20	
<b>Accessories</b>														
Wired remote control			RC-E5 (LCD) / RC-EX3A (touch) / RCH-E3 (simplified)											
IR remote control (KIT)			RCN-E-E3											
<b>Optional parts</b>														
Wi-Fi module			INWFIMH1001R000											
Human sensor (KIT)			LB-E											
SUPERLINK II interface			SC-ADNA-E											

1. Value measured according to the harmonised standard EN 14511. 2. EU Regulation No. 206/2012 -- Value measured according to the harmonised standard EN 14825. 3. Delegated Regulation (EU) No 626/2011 regarding the new energy labelling of air conditioners. 4. Refrigerant leakage contributes to climate change. When released into the atmosphere, refrigerants with a lower global warming potential (GWP) contribute less to global warming than those with a higher GWP. This appliance contains a refrigerant with a GWP of 675. If 1 kg of this refrigerant fluid were released into the atmosphere, therefore, the impact on global warming would be 675 times higher than 1 kg of CO<sub>2</sub> over a period of 100 years. Under no circumstances should the user try to intervene on the refrigerant circuit or disassemble the product. Always contact qualified personnel if necessary.

# MONOSPLIT SUPER

## Column



FDF 100-125-140 VH

- Ideal for restaurants, shops and offices applications, without false ceiling or high ceilings
- **50 m** Split length
- Wide and powerful air flow
- Ease transport and installation
- The wired control has a alarm function in case of gas leakage. The gas sensor is on the base of the unit

Indoor unit model			FDF 100 VH	FDF 100 VH	FDF 125 VH	FDF 125 VH	FDF 140 VH	FDF 140 VH
Outdoor unit model			FDC 100 VNA-W	FDC 100 VSA-W	FDC 125 VNA-W	FDC 125 VSA-W	FDC 140 VNA-W	FDC 140 VSA-W
Type			DC-Inverter heat pump					
Control (included)			Wired control TOUCH with gas leak alarm					
<b>Nominal data</b>								
Rated capacity (T=+35°C)	Cooling	kW	10.00 (4.00~11.20)		12.50 (5.00~14.00)		13.60 (5.00~14.50)	
Rated absorbed power (T=+35°C)		kW	3.08		4.65		5.35	
Rated energy efficiency coefficient		EER1	3.25		2.69		2.54	
Rated capacity (T=+7°C)	Heating	kW	11.20 (4.00~12.50)		14.00 (4.00~16.00)		15.50 (4.00~16.50)	
Rated absorbed power (T=+7°C)		kW	2.94		4.10		4.98	
Rated energy performance coefficient		COP1	3.81		3.42		3.11	
<b>Seasonal data</b>								
Theoretical load (Pdesignc)	Cooling	kW	10.00		12.50		13.60	
Seasonal energy efficiency index		SEER2	5.76		5.28		5.13	
Seasonal energy efficiency class		626/20113	A++		-		-	
Annual energy consumption		kWh/a	608		-		-	
Theoretical load (Pdesignh) @-10°C	Heating (average climate conditions)	kW	8.50		14.00		15.50	
Seasonal energy efficiency index		SCOP2	4.00		3.89		3.92	
Seasonal energy efficiency class		626/20113	A+		-		-	
Annual energy consumption		kWh/a	2973		-		-	
<b>Electrical data</b>								
Power supply	Outdoor unit	Ph-V-Hz	1-220~240V-50Hz	3-380~415V-50Hz	1-220~240V-50Hz	3-380~415V-50Hz	1-220~240V-50Hz	3-380~415V-50Hz
Power cable		Type	3 x 6 mm <sup>2</sup>	5 x 4 mm <sup>2</sup>	3 x 6 mm <sup>2</sup>	5 x 4 mm <sup>2</sup>	3 x 6 mm <sup>2</sup>	5 x 4 mm <sup>2</sup>
Connection wires between I.U. and O.U.		no.	4	4	4	4	4	4
Absorbed current	Cooling	A	14.90	4.80	21.50	7.20	24.00	8.40
	Heating	A	14.40	4.60	19.20	6.30	22.10	7.90
Maximum current		A	24.00	15.00	24.00	15.00	24.00	15.00
Maximum absorbed power		kW	6.40	10.20	6.40	10.20	6.40	10.20
<b>Refrigerant circuit</b>								
Refrigerant <sup>4</sup>		Type (GWP)	R32 (675)					
Quantity refrigerant pre-load		Kg	3.3		3.3		3.3	
Tons of CO2 equivalent		t	2.228		2.228		2.228	
Diameter of refrigerant piping on liquid/gas		mm (inches)	ø9.52 (3/8") - ø15.88(5/8")		ø9.52 (3/8") - ø15.88(5/8")		ø9.52 (3/8") - ø15.88(5/8")	
Max splitting length		m	50		50		50	
Max height difference I.U./O.U.	O.U. above/O.U. under	m	50/15		50/15		50/15	
Split length without additional charge		m	30		30		30	
Additional load		g/m	54		54		54	
<b>Indoor unit specifications</b>								
Dimensions	LxDxH	mm	600x329x1850		600x329x1850		600x329x1850	
Net weight		Kg	49		49		49	
Sound power level	Max	dB(A)	65		67		67	
Sound pressure level	P-Hi/Hi/Me/Lo	dB(A)	53/51/49/44		55/51/49/44		55/51/49/44	
Treated air volume	P-Hi/Hi/Me/Lo	m <sup>3</sup> /h	1620/1560/1380/1140		1740/1560/1380/1140		1740/1560/1380/1140	
Refrigerant gas leak detector			Included					
<b>Outdoor unit specifications</b>								
Dimensions	LxDxH	mm	970x370x845		970x370x845		970x370x845	
Net weight		Kg	77	78	77	78	77	78
Sound power level	Max	dB(A)	70		71		73	
Sound pressure level	Max	dB(A)	55		56		58	
Treated air volume	Max	m <sup>3</sup> /h	4500		4500		4500	
Operating limits (outside temperature)	Cooling	°C	-15~+50					
	Heating	°C	-20~+20					
<b>Optional parts</b>								
Wi-Fi module			INWFIMHI001R000					
Human sensor (KIT)			LB-KIT2					
SUPERLINK II interface			SC-ADNA-E					
IR remote control (KIT)			RCN-KIT4-E2					

1. Value measured according to the harmonised standard EN 14511. 2. EU Regulation No. 206/2012 -- Value measured according to the harmonised standard EN 14825. 3. Delegated Regulation (EU) No 626/2011 regarding the new energy labelling of air conditioners. 4. Refrigerant leakage contributes to climate change. When released into the atmosphere, refrigerants with a lower global warming potential (GWP) contribute less to global warming than those with a higher GWP. This appliance contains a refrigerant with a GWP of 675. If 1 kg of this refrigerant fluid were released into the atmosphere, therefore, the impact on global warming would be 675 times higher than 1 kg of CO<sub>2</sub> over a period of 100 years. Under no circumstances should the user try to intervene on the refrigerant circuit or disassemble the product. Always contact qualified personnel if necessary.

# MONOSPLIT SUPER

## Wall



SRK 100 ZR-WF

- **339 mm**  
Height
- **50 m**  
Split length
- **27 dB(A)**  
Sound power level, maximum quiet
- Antibacterial treatment on fan
- The powerful air flow is realized with Jet technology
- Ideal for large living rooms and shops
- Equipped with dust and photocatalytic filters

Indoor unit model		SRK 100 ZR-WF		SRK 100 ZR-WF	
Outdoor unit model		FDC 100 VNA-W		FDC 100 VSA-W	
<b>Type</b>		DC-Inverter heat pump			
Control (included)		Remote control			
<b>Nominal data</b>					
Rated capacity (T=+35°C)	Cooling	kW	10.00 (4.00~11.20)		
Rated absorbed power (T=+35°C)		kW	3.19		
Rated energy efficiency coefficient		EER1	3.13		
Rated capacity (T=+7°C)	Heating	kW	11.20 (4.00~12.50)		
Rated absorbed power (T=+7°C)		kW	3.04		
Rated energy performance coefficient		COP1	3.68		
<b>Seasonal data</b>					
Theoretical load (Pdesignc)	Cooling	kW	10.00		
Seasonal energy efficiency index		SEER2	6.13		
Seasonal energy efficiency class		626/20113	A++		
Annual energy consumption		kWh/a	571		
Theoretical load (Pdesignh) @-10°C	Heating (average climate conditions)	kW	8.50		
Seasonal energy efficiency index		SCOP2	4.33		
Seasonal energy efficiency class		626/20113	A+		
Annual energy consumption		kWh/a	2746		
<b>Electrical data</b>					
Power supply	Outdoor unit	Ph-V-Hz	1-220~240V-50Hz		3-380~415V-50Hz
Power cable		Type	3 x 6 mm <sup>2</sup>		5 x 4 mm <sup>2</sup>
Connection wires between I.U. and O.U.		no.	4		4
Absorbed current	Cooling	A	14.30		4.80
	Heating	A	13.60		4.60
Maximum current		A	24.00		15.00
Maximum absorbed power		kW	6.40		10.20
<b>Refrigerant circuit</b>					
Refrigerant <sup>4</sup>	Type (GWP)	R32 (675)			
Quantity refrigerant pre-load	kg	3.3			
Tons of CO2 equivalent	t	2.228			
Diameter of refrigerant piping on liquid/gas	mm (inches)	ø9.52 (3/8") - ø15.88(5/8")			
Max splitting length	m	50			
Max height difference I.U./O.U.	O.U. above/O.U. under	m	50/15		
Split length without additional charge	m	30			
Additional load	g/m	54			
<b>Indoor unit specifications</b>					
Dimensions	LxDxH	mm	1197x262x339		
Net weight		kg	16.5		
Sound power level	Max	dB(A)	63		
Sound pressure level (Hi/Mi/Lo/ULo)	Cooling	dB(A)	48/45/40/27		
	Heating	dB(A)	48/43/38/30		
Treated air volume (Hi/Mi/Lo/ULo)	Cooling	m <sup>3</sup> /h	1470/1278/1056/624		
	Heating	m <sup>3</sup> /h	1650/1392/1146/816		
<b>Outdoor unit specifications</b>					
Dimensions	LxDxH	mm	970x370x845		
Net weight		kg	77	78	
Sound power level	Max	dB(A)	70		
Sound pressure level	Max	dB(A)	55		
Treated air volume	Max	m <sup>3</sup> /h	4500		
Operating limits (outside temperature)	Cooling	°C	-15~+50		
	Heating	°C	-20~+20		
<b>Optional parts</b>					
Wi-Fi module			Included		
Interface for home automation connection and wired control <sup>5</sup>			SC-BIKN2-E		

1. Value measured according to the harmonised standard EN 14511. 2. EU Regulation No. 206/2012 -- Value measured according to the harmonised standard EN 14825. 3. Delegated Regulation (EU) No 626/2011 regarding the new energy labelling of air conditioners. 4. Refrigerant leakage contributes to climate change. When released into the atmosphere, refrigerants with a lower global warming potential (GWP) contribute less to global warming than those with a higher GWP. This appliance contains a refrigerant with a GWP of 675. If 1 kg of this refrigerant fluid were released into the atmosphere, therefore, the impact on global warming would be 675 times higher than 1 kg of CO<sub>2</sub> over a period of 100 years. Under no circumstances should the user try to intervene on the refrigerant circuit or disassemble the product. Always contact qualified personnel if necessary. 5. Home automation and optional protocols with dedicated interfaces: KNX, Modbus, BACnet.

# SMART SERIES



## Performance intelligence in a compact size

### ■ 4 size

Single-phase 3~5HP= 7.10~12.10 kW

- The diameter of their refrigerant piping, their weight and overall dimension are extremely reduced in comparison to the 7.10 and 10.00 kW outdoor units of the Super line.



FDC 71 VNP-W (3HP)



FDC 90 VNP-W (3.5HP)  
FDC 100 VNP-W (4HP)



FDC 125 VNP-W (5HP)

# MONOSPLIT SMART

## Cassette 84x84

R32



FDT 71-100-125 VH  
Standard white panel  
T-PSA-5BW-E

FDT 71-100-125 VH  
Anti-draft white panel  
T-PSAE-5BW-E

FDT 71-100-125 VH  
Standard black panel  
T-PSA-5BB-E

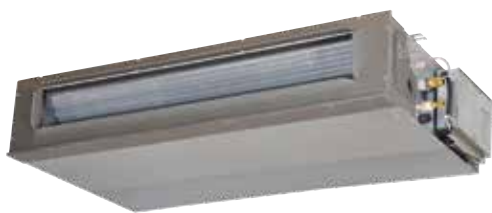
FDT 71-100-125 VH  
Black anti-draft pane  
T-PSAE-5BB-E

Indoor unit model		FDT 71 VH		FDT 100 VH		FDT 100 VH		FDT 125 VH	
Outdoor unit model		FDC 71 VNP-W		FDC 90 VNP-W		FDC 100 VNP-W		FDC 125 VNP-W	
Type		DC-Inverter heat pump							
<b>Nominal data</b>									
Rated capacity (T=+35°C)	Cooling	kW	7.10 (1.50~7.30)	9.00 (2.10~9.50)	10.00 (2.10~10.20)	12.10 (5.00~12.10)			
Rated absorbed power (T=+35°C)		kW	2.31	2.48	2.84	3.69			
Rated energy efficiency coefficient		EER <sup>1</sup>	3.07	3.63	3.52	3.28			
Rated capacity (T=+7°C)	Heating	kW	7.10 (1.10~7.30)	9.00 (1.70~9.50)	10.00 (1.70~10.40)	12.10 (4.00~13.30)			
Rated absorbed power (T=+7°C)		kW	1.73	1.90	2.33	3.20			
Rated energy performance coefficient		COP <sup>1</sup>	4.10	4.74	4.29	3.78			
<b>Seasonal data</b>									
Theoretical load (Pdesignc)	Cooling	kW	7.10	9.00	10.00	12.10			
Seasonal energy efficiency index		SEER <sup>2</sup>	6.34	7.10	7.08	6.30			
Seasonal energy efficiency class		626/2011 <sup>3</sup>	A++	A++	A++	-			
Annual energy consumption		kWh/a	393	444	495	-			
Theoretical load (Pdesignh) @-10°C	Heating (average climate conditions)	kW	5.70	6.00	6.40	12.10			
Seasonal energy efficiency index		SCOP <sup>2</sup>	4.38	4.56	4.53	4.19			
Seasonal energy efficiency class		626/2011 <sup>3</sup>	A+	A+	A+	-			
Annual energy consumption		kWh/a	1822	1842	1977	-			
<b>Electrical data</b>									
Power supply	Outdoor unit	Ph-V-Hz	1-220~240V-50Hz						
Power cable		Type	3 x 4 mm <sup>2</sup>	3 x 4 mm <sup>2</sup>	3 x 4 mm <sup>2</sup>	3 x 4 mm <sup>2</sup>			
Connection wires between I.U. and O.U.		no.	4	4	4	4			
Absorbed current	Cooling	A	10.20	11.00	12.10	15.50			
	Heating	A	7.80	8.40	9.90	13.50			
Maximum current		A	15.80	19.00	19.00	18.00			
Maximum absorbed power		kW	3.58	4.46	4.46	4.75			
<b>Refrigerant circuit</b>									
Refrigerant <sup>4</sup>		Type (GWP)	R32 (675)						
Quantity refrigerant pre-load		Kg	1.3	1.7	1.7	2.25			
Tons of CO2 equivalent		t	0.878	1.148	1.148	1.519			
Diameter of refrigerant piping on liquid/gas		mm (inches)	ø6.35 (1/4") - ø12.7 (1/2")	ø6.35 (1/4") - ø15.88 (5/8")	ø6.35 (1/4") - ø15.88 (5/8")	ø9.52 (3/8") - ø15.88(5/8")			
Max splitting length		m	30	30	30	30			
Max height difference I.U./O.U.		m	20	20	20	20			
Split length without additional charge		m	15	15	15	15			
Additional load		g/m	20	20	20	54			
<b>Indoor unit specifications</b>									
Dimensions	LxDxH	mm	840x840x236	840x840x298	840x840x298	840x840x298			
Net weight		Kg	21	25	25	25			
Sound power level	Max	dB(A)	60	62	62	64			
Sound pressure level	P-Hi/Hi/Me/Lo	dB(A)	46/34/31/26	47/39/36/30	47/39/36/30	48/41/39/31			
Treated air volume	P-Hi/Hi/Me/Lo	m <sup>3</sup> /h	1680/1080/900/720	2220/1560/1380/1020	2220/1560/1380/1020	2280/1680/1500/1080			
<b>Outdoor unit specifications</b>									
Dimensions	LxDxH	mm	800(+71)x290x640	800(+71)x340x750	880(+88)x340x750	970x370x845			
Net weight		Kg	45	57	57	73			
Sound power level	Max	dB(A)	67	67	68	73			
Sound pressure level	Max	dB(A)	54	55	56	57			
Treated air volume	Max	m <sup>3</sup> /h	2520	3540	3780	4740			
Operating limits (outside temperature)	Cooling	°C					-15~+46		
	Heating	°C					-15~+20		
<b>Accessories</b>									
<b>Standard panel</b>				<b>T-PSA-5BW-E (white) / T-PSA-5BB-E (black)</b>					
Dimensions	LxDxH	mm	950x950x35	950x950x35	950x950x35	950x950x35			
Net weight		Kg	5	5	5	5			
Wired remote control	RC-ES (LCD) / RC-EX3A (touch) / RCH-E3 (simplified)								
IR remote control (corner KIT)	RCN-T-5BW-E2 (white) / RCN-T-5BB-E2 (black)								
<b>Optional parts</b>									
Wi-Fi module	INWFIMHI001R000								
Human sensor (corner KIT)	LB-T-5BW-E (white) / LB-T-5BB-E (black)								
SUPERLINK II interface	SC-ADNA-E								
Anti-draft panel	T-PSAE-5BW-E (white) / T-PSAE-5BB-E (black)								

1. Value measured according to the harmonised standard EN 14511. 2. EU Regulation No. 206/2012 -- Value measured according to the harmonised standard EN 14825. 3. Delegated Regulation (EU) No 626/2011 regarding the new energy labelling of air conditioners. 4. Refrigerant leakage contributes to climate change. When released into the atmosphere, refrigerants with a lower global warming potential (GWP) contribute less to global warming than those with a higher GWP. This appliance contains a refrigerant with a GWP of 675. If 1 kg of this refrigerant fluid were released into the atmosphere, therefore, the impact on global warming would be 675 times higher than 1 kg of CO<sub>2</sub> over a period of 100 years. Under no circumstances should the user try to intervene on the refrigerant circuit or disassemble the product. Always contact qualified personnel if necessary.

## MONOSPLIT SMART

### Ducted with medium adjustable head



- **max 100**  
Fan pressure head
- Unit with bottom or rear air intake
- **280 mm**  
Height
- **30 m**  
Split length
- ESP function: automatic maintenance of the air flow rate as flow resistance varies
- Filter not included
- Compatible with **AIRZONE** systems

FDUM 71-100-125 VH

Indoor unit model		FDUM 71 VH	FDUM 100 VH	FDUM 100 VH	FDUM 125 VH	
Outdoor unit model		FDC 71 VNP-W	FDC 90 VNP-W	FDC 100 VNP-W	FDC 125 VNP-W	
Type		DC-Inverter heat pump				
<b>Nominal data</b>						
Rated capacity (T=+35°C)	Cooling	kW	7.10 (1.50~7.30)	9.00 (2.10~9.50)	10.00 (2.10~10.20)	12.10 (5.00~12.10)
Rated absorbed power (T=+35°C)		kW	2.60	2.62	3.08	3.85
Rated energy efficiency coefficient		EER <sup>1</sup>	2.73	3.44	3.25	3.14
Rated capacity (T=+7°C)	Heating	kW	7.10 (1.10~7.30)	9.00 (1.70~9.50)	10.00 (1.70~10.40)	12.10 (4.00~13.30)
Rated absorbed power (T=+7°C)		kW	1.89	1.98	2.45	3.28
Rated energy performance coefficient		COP <sup>1</sup>	3.76	4.55	4.08	3.69
<b>Seasonal data</b>						
Theoretical load (Pdesignc)	Cooling	kW	7.10	9.00	10.00	12.10
Seasonal energy efficiency index		SEER <sup>2</sup>	5.86	6.65	6.11	5.42
Seasonal energy efficiency class		626/2011 <sup>3</sup>	A+	A++	A++	-
Annual energy consumption		kWh/a	425	474	573	-
Theoretical load (Pdesignh) @-10°C	Heating (average climate conditions)	kW	5.70	6.00	6.40	12.10
Seasonal energy efficiency index		SCOP <sup>2</sup>	4.12	4.22	4.13	3.94
Seasonal energy efficiency class		626/2011 <sup>3</sup>	A+	A+	A+	-
Annual energy consumption		kWh/a	1937	1990	2169	-
<b>Electrical data</b>						
Power supply	Outdoor unit	Ph-V-Hz	1-220~240V-50Hz			
Power cable		Type	3 x 4 mm <sup>2</sup>	3 x 4 mm <sup>2</sup>	3 x 4 mm <sup>2</sup>	3 x 4 mm <sup>2</sup>
Connection wires between I.U. and O.U.		no.	4	4	4	4
Absorbed current	Cooling	A	11.50	11.60	13.10	16.20
	Heating	A	8.50	8.80	10.40	13.80
Maximum current		A	15.80	19.00	19.00	20.00
Maximum absorbed power		kW	3.58	4.46	4.46	4.75
<b>Refrigerant circuit</b>						
Refrigerant <sup>4</sup>		Type (GWP)	R32 (675)			
Quantity refrigerant pre-load		Kg	1.3	1.7	1.7	2.25
Tons of CO2 equivalent		t	0.878	1.148	1.148	1.519
Diameter of refrigerant piping on liquid/gas		mm (inches)	ø6.35 (1/4") - ø12.7 (1/2")	ø6.35 (1/4") - ø15.88 (5/8")	ø6.35 (1/4") - ø15.88 (5/8")	ø9.52 (3/8") - ø15.88 (5/8")
Max splitting length		m	30	30	30	30
Max height difference I.U./O.U.		m	20	20	20	20
Split length without additional charge		m	15	15	15	15
Additional load		g/m	20	20	20	54
<b>Indoor unit specifications</b>						
Dimensions	LxDxH	mm	950x635x280	1370x740x280	1370x740x280	1370x740x280
Net weight		Kg	34	54	54	54
Sound power level	Max	dB(A)	65	65	65	67
Sound pressure level	P-Hi/Hi/Me/Lo	dB(A)	38/33/29/25	44/38/36/30	44/38/36/30	45/40/34/29
Treated air volume	P-Hi/Hi/Me/Lo	m <sup>3</sup> /h	1440/1140/900/600	2160/1680/1500/1140	2160/1680/1500/1140	2340/1920/1560/1200
Fan pressure head	Std/Max	Pa	35/100	60/100	60/100	60/100
<b>Outdoor unit specifications</b>						
Dimensions	LxDxH	mm	800(+71)x290x640	800(+71)x340x750	880(+88)x340x750	970x370x845
Net weight		Kg	45	57	57	73
Sound power level	Max	dB(A)	67	67	68	73
Sound pressure level	Max	dB(A)	54	55	56	57
Treated air volume	Max	m <sup>3</sup> /h	42	59	63	4740
Operating limits (outside temperature)	Cooling	°C	-15~+46			
	Heating	°C	-15~+20			
<b>Accessories</b>						
Wired remote control		RC-E5 (LCD) / RC-EX3A (touch) / RC-EXZ3A (touch + zone control) / RCH-E3 (simplified)				
IR remote control (KIT)		RCN-KIT4-E2				
<b>Optional parts</b>						
Wi-Fi module		INWFIMH1001R000				
Human sensor (KIT)		LB-KIT2				
SUPERLINK II interface		SC-ADNA-E				
Recovery filter (KIT)		UM-FL2EF		UM-FL3EF		

1. Value measured according to the harmonised standard EN 14511. 2. EU Regulation No. 206/2012 -- Value measured according to the harmonised standard EN 14825. 3. Delegated Regulation (EU) No 626/2011 regarding the new energy labelling of air conditioners. 4. Refrigerant leakage contributes to climate change. When released into the atmosphere, refrigerants with a lower global warming potential (GWP) contribute less to global warming than those with a higher GWP. This appliance contains a refrigerant with a GWP of 675. If 1 kg of this refrigerant fluid were released into the atmosphere, therefore, the impact on global warming would be 675 times higher than 1 kg of CO<sub>2</sub> over a period of 100 years. Under no circumstances should the user try to intervene on the refrigerant circuit or disassemble the product. Always contact qualified personnel if necessary.

## MONOSPLIT SMART

Ducted with high adjustable head



FDU 71-100-125 VH

- **max 200**  
Fan pressure head
- Unit with bottom or rear air intake
- **280 mm**  
Height
- **30 m**  
Split length
- ESP function: automatic maintenance of the air flow rate as flow resistance varies
- Filter not included
- Compatible with **AIRZONE** systems

Indoor unit model			FDU 71 VH	FDU 100 VH	FDU 100 VH	FDU 125 VH
Outdoor unit model			FDC 71 VNP-W	FDC 90 VNP-W	FDC 100 VNP-W	FDC 125 VNP-W
Type			DC-Inverter heat pump			
<b>Nominal data</b>						
Rated capacity (T=+35°C)	Cooling	kW	7.10 (1.50~7.30)	9.00 (2.10~9.50)	10.00 (2.10~10.20)	12.10 (5.00~12.10)
Rated absorbed power (T=+35°C)		kW	2.60	2.62	3.08	3.85
Rated energy efficiency coefficient		EER <sup>1</sup>	2.73	3.44	3.25	3.14
Rated capacity (T=+7°C)	Heating	kW	7.10 (1.10~7.30)	9.00 (1.70~9.50)	10.00 (1.70~10.40)	12.10 (4.00~13.30)
Rated absorbed power (T=+7°C)		kW	1.89	1.98	2.45	3.28
Rated energy performance coefficient		COP <sup>1</sup>	3.76	4.55	4.08	3.69
<b>Seasonal data</b>						
Theoretical load (Pdesignc)	Cooling	kW	7.10	9.00	10.00	12.10
Seasonal energy efficiency index		SEER <sup>2</sup>	5.86	6.66	6.11	5.42
Seasonal energy efficiency class		626/2011 <sup>3</sup>	A+	A++	A++	-
Annual energy consumption		kWh/a	425	474	573	-
Theoretical load (Pdesignh) @-10°C	Heating (average climate conditions)	kW	5.70	6.00	6.40	12.10
Seasonal energy efficiency index		SCOP <sup>2</sup>	4.12	4.22	4.13	3.94
Seasonal energy efficiency class		626/2011 <sup>3</sup>	A+	A+	A+	-
Annual energy consumption		kWh/a	1937	1990	2169	-
<b>Electrical data</b>						
Power supply	Outdoor unit	Ph-V-Hz	1-220~240V-50Hz			
Power cable		Type	3 x 4 mm <sup>2</sup>	3 x 4 mm <sup>2</sup>	3 x 4 mm <sup>2</sup>	3 x 4 mm <sup>2</sup>
Connection wires between I.U. and O.U.		no.	4	4	4	4
Absorbed current	Cooling	A	11.50	11.60	13.10	16.20
	Heating	A	8.50	8.80	10.40	13.80
Maximum current		A	15.80	19.00	19.00	20.00
Maximum absorbed power		kW	3.58	4.46	4.46	4.75
<b>Refrigerant circuit</b>						
Refrigerant <sup>4</sup>		Type (GWP)	R32 (675)			
Quantity refrigerant pre-load		Kg	1.3	1.7	1.7	2.25
Tons of CO2 equivalent		t	0.878	1.148	1.148	1.519
Diameter of refrigerant piping on liquid/gas		mm (inches)	ø6.35 (1/4") - ø12.7 (1/2")	ø6.35 (1/4") - ø15.88 (5/8")	ø6.35 (1/4") - ø15.88 (5/8")	ø9.52 (3/8") - ø15.88(5/8")
Max splitting length		m	30	30	30	30
Max height difference I.U./O.U.		m	20	20	20	20
Split length without additional charge		m	15	15	15	15
Additional load		g/m	20	20	20	54
<b>Indoor unit specifications</b>						
Dimensions	LxDxH	mm	950x635x280	1370x740x280	1370x740x280	1370x740x280
Net weight		Kg	34	54	54	54
Sound power level	Max	dB(A)	65	65	65	67
Sound pressure level	P-Hi/Hi/Me/Lo	dB(A)	38/33/29/25	44/38/36/30	44/38/36/30	45/40/34/29
Treated air volume	P-Hi/Hi/Me/Lo	m <sup>3</sup> /h	1440/1140/900/600	2160/1680/1500/1140	2160/1680/1500/1140	2340/1920/1560/1200
Fan pressure head	Std/Max	Pa	35/200	60/200	60/200	60/200
<b>Outdoor unit specifications</b>						
Dimensions	LxDxH	mm	800(+71)x290x640	800(+71)x340x750	880(+88)x340x750	970x370x845
Net weight		Kg	45	57	57	73
Sound power level	Max	dB(A)	67	67	68	73
Sound pressure level	Max	dB(A)	54	55	56	57
Treated air volume	Max	m <sup>3</sup> /h	2520	3540	3780	4740
Operating limits (outside temperature)	Cooling	°C	-15~+46			
	Heating	°C	-15~+20			
<b>Accessories</b>						
Wired remote control			RC-E5 (LCD) / RC-EX3A (touch) / RC-EX23A (touch + zone control) / RCH-E3 (simplified)			
IR remote control (KIT)			RCN-KIT4-E2			
<b>Optional parts</b>						
Wi-Fi module			INWFIMH1001R000			
Human sensor (KIT)			LB-KIT2			
SUPERLINK II interface			SC-ADNA-E			

1. Value measured according to the harmonised standard EN 14511. 2. EU Regulation No. 206/2012 -- Value measured according to the harmonised standard EN 14825. 3. Delegated Regulation (EU) No 626/2011 regarding the new energy labelling of air conditioners. 4. Refrigerant leakage contributes to climate change. When released into the atmosphere, refrigerants with a lower global warming potential (GWP) contribute less to global warming than those with a higher GWP. This appliance contains a refrigerant with a GWP of 675. If 1 kg of this refrigerant fluid were released into the atmosphere, therefore, the impact on global warming would be 675 times higher than 1 kg of CO<sub>2</sub> over a period of 100 years. Under no circumstances should the user try to intervene on the refrigerant circuit or disassemble the product. Always contact qualified personnel if necessary.

# MONOSPLIT SMART

## Ceiling



- Ideal for very large environments, thanks to the particularly wide air flow
- **30 m**  
Split length
- Versatile installation thanks to drain pipe and refrigerant flexibility
- Polypropylene filter included

FDE 71-100-125 VH

### FLEXIBLE PIPE ORIENTATION

Maximum flexibility: the refrigerant piping can be attached in 3 different positions (rear, top, right), as can that of the condensate drain (left, right).

Indoor unit model			FDE 71 VH	FDE 100 VH	FDE 100 VH	FDE 125 VH
Outdoor unit model			FDC 71 VNP-W	FDC 90 VNP-W	FDC 100 VNP-W	FDC 125 VNP-W
Type			DC-Inverter heat pump			
<b>Nominal data</b>						
Rated capacity (T=+35°C)	Cooling	kW	7.10 (1.50~7.30)	9.00 (2.10~9.50)	10.00 (2.10~10.20)	12.10 (5.00~12.10)
Rated absorbed power (T=+35°C)		kW	2.41	2.38	3.00	3.88
Rated energy efficiency coefficient		EER <sup>1</sup>	2.95	3.78	3.33	3.12
Rated capacity (T=+7°C)	Heating	kW	7.10 (1.10~7.30)	9.00 (1.70~9.50)	10.00 (1.70~10.40)	12.10 (4.00~13.30)
Rated absorbed power (T=+7°C)		kW	1.96	1.99	2.36	3.30
Rated energy performance coefficient		COP <sup>1</sup>	3.62	4.52	4.24	3.30
<b>Seasonal data</b>						
Theoretical load (Pdesignc)	Cooling	kW	7.10	9.00	10.00	12.10
Seasonal energy efficiency index		SEER <sup>2</sup>	6.44	6.78	6.63	5.88
Seasonal energy efficiency class		626/2011 <sup>3</sup>	A++	A++	A++	-
Annual energy consumption		kWh/a	386	465	529	-
Theoretical load (Pdesignh) @-10°C	Heating (average climate conditions)	kW	5.70	5.80	6.00	12.10
Seasonal energy efficiency index		SCOP <sup>2</sup>	4.32	4.46	4.24	4.13
Seasonal energy efficiency class		626/2011 <sup>3</sup>	A+	A+	A+	-
Annual energy consumption		kWh/a	1849	1920	1984	-
<b>Electrical data</b>						
Power supply	Outdoor unit	Ph-V-Hz	1-220~240V-50Hz			
Power cable		Type	3 x 4 mm <sup>2</sup>	3 x 4 mm <sup>2</sup>	3 x 4 mm <sup>2</sup>	3 x 4 mm <sup>2</sup>
Connection wires between I.U. and O.U.		no.	4	4	4	4
Absorbed current	Cooling	A	10.90	10.60	12.80	16.30
	Heating	A	8.80	8.80	10.10	13.90
Maximum current		A	15.80	19.00	19.00	18.00
Maximum absorbed power		kW	3.58	4.46	4.46	4.75
<b>Refrigerant circuit</b>						
Refrigerant <sup>4</sup>		Type (GWP)	R32 (675)			
Quantity refrigerant pre-load		Kg	1.3	1.7	1.7	2.25
Tons of CO <sub>2</sub> equivalent		t	0.878	1.148	1.148	1.519
Diameter of refrigerant piping on liquid/gas		mm (inches)	ø6.35 (1/4") - ø12.7 (1/2")	ø6.35 (1/4") - ø15.88 (5/8")	ø6.35 (1/4") - ø15.88 (5/8")	ø9.52 (3/8") - ø15.88 (5/8")
Max splitting length		m	30	30	30	30
Max height difference I.U./O.U.		m	20	20	20	20
Split length without additional charge		m	15	15	15	15
Additional load		g/m	20	20	20	54
<b>Indoor unit specifications</b>						
Dimensions	LxDxH	mm	1320x690x210	1620x690x250	1620x690x250	1620x690x250
Net weight		Kg	33	43	43	43
Sound power level	Max	dB(A)	60	64	64	64
Sound pressure level	P-Hi/Hi/Me/Lo	dB(A)	47/41/37/32	48/43/38/34	48/43/38/34	48/45/40/35
Treated air volume	P-Hi/Hi/Me/Lo	m <sup>3</sup> /h	1200/960/780/600	1920/1560/1260/990	1920/1560/1260/990	1920/1740/1380/1020
<b>Outdoor unit specifications</b>						
Dimensions	LxDxH	mm	800(+71)x290x640	800(+71)x340x750	880(+88)x340x750	970x370x845
Net weight		Kg	45	57	57	73
Sound power level	Max	dB(A)	67	67	68	73
Sound pressure level	Max	dB(A)	54	55	56	57
Treated air volume	Max	m <sup>3</sup> /h	2520	3540	3780	4740
Operating limits (outside temperature)	Cooling	°C	-15~+46			
	Heating	°C	-15~+20			
<b>Accessories</b>						
Wired remote control	RC-E5 (LCD) / RC-EX3A (touch) / RCH-E3 (simplified)					
IR remote control (KIT)	RCN-E-E3					
<b>Optional parts</b>						
Wi-Fi module	INWFIMH001R000					
Human sensor (KIT)	LB-E					
SUPERLINK II interface	SC-ADNA-E					

1. Value measured according to the harmonised standard EN 14511. 2. EU Regulation No. 206/2012 -- Value measured according to the harmonised standard EN 14825. 3. Delegated Regulation (EU) No 626/2011 regarding the new energy labelling of air conditioners. 4. Refrigerant leakage contributes to climate change. When released into the atmosphere, refrigerants with a lower global warming potential (GWP) contribute less to global warming than those with a higher GWP. This appliance contains a refrigerant with a GWP of 675. If 1 kg of this refrigerant fluid were released into the atmosphere, therefore, the impact on global warming would be 675 times higher than 1 kg of CO<sub>2</sub> over a period of 100 years. Under no circumstances should the user try to intervene on the refrigerant circuit or disassemble the product. Always contact qualified personnel if necessary.



# MONOSPLIT SMART

## Column



FDF 71-100 VH

- Ideal for restaurants, shops and offices applications, without false ceiling or high ceilings
- **25 m**  
Split length
- Wide and powerful air flow
- Ease transport and installation
- The wired control has an alarm function in case of gas leakage. The gas sensor is on the base of the unit

Indoor unit model			FDF 71 VH	FDF 100 VH	FDF 100 VH
Outdoor unit model			FDC 71 VNP-W	FDC 90 VNP-W	FDC 100 VNP-W
<b>Type</b>			DC-Inverter heat pump		
Control (included)			Wired control TOUCH with gas leak alarm		
<b>Nominal data</b>					
Rated capacity (T=+35°C)	Cooling	kW	7.10 (1.50~7.30)	9.00 (2.10~9.50)	10.00 (2.10~10.20)
Rated absorbed power (T=+35°C)		kW	2.51	2.5	3.39
Rated energy efficiency coefficient		EER1	2.82	3.60	2.95
Rated capacity (T=+7°C)	Heating	kW	7.10 (1.10~7.30)	9.00 (1.70~9.50)	10.00 (1.70~10.40)
Rated absorbed power (T=+7°C)		kW	2.02	2.24	2.71
Rated energy performance coefficient		COP1	3.51	4.02	3.69
<b>Seasonal data</b>					
Theoretical load (Pdesignc)	Cooling	kW	7.10	9.00	10.00
Seasonal energy efficiency index		SEER2	5.85	5.91	5.43
Seasonal energy efficiency class		626/20113	A+	A+	A
Annual energy consumption		kWh/a	425	535	645
Theoretical load (Pdesignh) @-10°C	Heating (average climate conditions)	kW	5.70	6.00	6.40
Seasonal energy efficiency index		SCOP2	3.91	4.24	3.94
Seasonal energy efficiency class		626/20113	A	A+	A
Annual energy consumption		kWh/a	2039	1981	2274
<b>Electrical data</b>					
Power supply	Outdoor unit	Ph-V-Hz	1-220~240V-50Hz		
Power cable		Type	3 x 4 mm <sup>2</sup>	3 x 4 mm <sup>2</sup>	3 x 4 mm <sup>2</sup>
Connection wires between I.U. and O.U.		no.	4	4	4
Absorbed current	Cooling	A	11.10	11.10	15.00
	Heating	A	9.10	9.90	12.00
Maximum current		A	15.80	19.00	19.00
Maximum absorbed power		kW	3.58	4.46	4.46
<b>Refrigerant circuit</b>					
Refrigerant <sup>4</sup>	Type (GWP)	R32 (675)			
Quantity refrigerant pre-load	Kg	1.3	1.7	1.7	1.7
Tons of CO2 equivalent	t	0.878	1.148	1.148	1.148
Diameter of refrigerant piping on liquid/gas	mm (inches)	ø6.35(1/4") - ø12.7(1/2")	ø6.35 (1/4") - ø15.88 (5/8")	ø6.35 (1/4") - ø15.88 (5/8")	ø6.35 (1/4") - ø15.88 (5/8")
Max splitting length	m	26	25	25	25
Max height difference I.U./O.U.	m	20	20	20	20
Split length without additional charge	m	11	10	10	10
Additional load	g/m	20	20	20	20
<b>Indoor unit specifications</b>					
Dimensions	LxDxH	mm	600x329x1850	600x329x1850	600x329x1850
Net weight		Kg	47	49	49
Sound power level	Max	dB(A)	55	65	65
Sound pressure level	P-Hi/Hi/Me/Lo	dB(A)	42/39/35/33	53/51/49/44	53/51/49/44
Treated air volume	P-Hi/Hi/Me/Lo	m <sup>3</sup> /h	1080/960/840/720	1620/1560/1380/1140	1620/1560/1380/1140
Refrigerant gas leak detector			Included		
<b>Outdoor unit specifications</b>					
Dimensions	LxDxH	mm	800(+71)x290x640	800(+71)x340x750	880(+88)x340x750
Net weight		Kg	45	57	57
Sound power level	Max	dB(A)	67	67	68
Sound pressure level	Max	dB(A)	54	55	56
Treated air volume	Max	m <sup>3</sup> /h	2520	3540	3780
Operating limits (outside temperature)	Cooling	°C	-15~+46		
	Heating	°C	-15~+20		
<b>Optional parts</b>					
Wi-Fi module			INWFIMH1001R000		
Human sensor (KIT)			LB-KIT2		
SUPERLINK II interface			SC-ADNA-E		
IR remote control (KIT)			RCN-KIT4-E2		

1. Value measured according to the harmonised standard EN 14511. 2. EU Regulation No. 206/2012 -- Value measured according to the harmonised standard EN 14825. 3. Delegated Regulation (EU) No 626/2011 regarding the new energy labelling of air conditioners. 4. Refrigerant leakage contributes to climate change. When released into the atmosphere, refrigerants with a lower global warming potential (GWP) contribute less to global warming than those with a higher GWP. This appliance contains a refrigerant with a GWP of 675. If 1 kg of this refrigerant fluid were released into the atmosphere, therefore, the impact on global warming would be 675 times higher than 1 kg of CO<sub>2</sub> over a period of 100 years. Under no circumstances should the user try to intervene on the refrigerant circuit or disassemble the product. Always contact qualified personnel if necessary.

# MONOSPLIT SMART

## Wall



- **339 mm**  
Height
- **30 m**  
Split length
- **25 dB(A)**  
Sound power level (7.10 kW), maximum quiet
- Antibacterial treatment on fan
- The powerful air flow is realized with Jet technology
- Ideal for large living rooms and shops
- Equipped with dust and photocatalytic filters

SRK 71-100 ZR-WF

Indoor unit model			SRK 71 ZR-WF	SRK 100 ZR-WF
Outdoor unit model			FDC 71 VNP-W	FDC 100 VNP-W
Type			DC-Inverter heat pump	
Control (included)			Remote control	
<b>Nominal data</b>				
Rated capacity (T=+35°C)	Cooling	kW	7.10 (1.50~7.30)	9.60 (2.10~9.60)
Rated absorbed power (T=+35°C)		kW	2.36	3.10
Rated energy efficiency coefficient		EER1	3.01	3.10
Rated capacity (T=+7°C)	Heating	kW	7.10 (1.10~7.30)	10.00 (1.70~10.40)
Rated absorbed power (T=+7°C)		kW	1.88	2.80
Rated energy performance coefficient		COP1	3.78	3.57
<b>Seasonal data</b>				
Theoretical load (Pdesignc)	Cooling	kW	7.10	9.60
Seasonal energy efficiency index		SEER2	6.75	6.11
Seasonal energy efficiency class		626/20113	A++	A++
Annual energy consumption		kWh/a	369	551
Theoretical load (Pdesignh) @-10°C	Heating (average climate conditions)	kW	5.70	6.00
Seasonal energy efficiency index		SCOP2	4.55	4.14
Seasonal energy efficiency class		626/20113	A+	A+
Annual energy consumption		kWh/a	1756	2028
<b>Electrical data</b>				
Power supply	Outdoor unit	Ph-V-Hz	1-220~240V-50Hz	
Power cable		Type	3 x 4 mm <sup>2</sup>	3 x 4 mm <sup>2</sup>
Connection wires between I.U. and O.U.		no.	4	4
Absorbed current	Cooling	A	10.50	13.20
	Heating	A	8.40	11.90
Maximum current		A	15.80	19.00
Maximum absorbed power		kW	3.58	4.46
<b>Refrigerant circuit</b>				
Refrigerant <sup>4</sup>	Type (GWP)	R32 (675)		
Quantity refrigerant pre-load	Kg	1.3	1.7	
Tons of CO2 equivalent	t	0.878	1.148	
Diameter of refrigerant piping on liquid/gas	mm (inches)	ø6.35(1/4") - ø12.7(1/2")	ø6.35 (1/4") - ø15.88 (5/8")	
Max splitting length	m	30	30	
Max height difference I.U./O.U.	m	20	20	
Split length without additional charge	m	15	15	
Additional load	g/m	20	20	
<b>Indoor unit specifications</b>				
Dimensions	LxDxH	mm	1197x262x339	1197x262x339
Net weight		Kg	15.5	16.5
Sound power level	Max	dB(A)	60	63
Sound pressure level (Hi/Mi/Lo/Ulo)	Cooling	dB(A)	44/41/37/25	48/45/40/27
	Heating		46/39/35/28	48/43/38/30
Treated air volume (Hi/Mi/Lo/Ulo)	Cooling	m <sup>3</sup> /h	1230/1116/972/624	1470/1278/1056/624
	Heating		1500/1188/1038/798	1650/1392/1146/816
<b>Outdoor unit specifications</b>				
Dimensions	LxDxH	mm	800(+71)x290x640	880(+88)x340x750
Net weight		Kg	45	57
Sound power level	Max	dB(A)	67	68
Sound pressure level	Max	dB(A)	54	56
Treated air volume	Max	m <sup>3</sup> /h	2520	3780
Operating limits (outside temperature)	Cooling	°C	-15~+46	
	Heating	°C	-15~+20	
<b>Optional parts</b>				
Wi-Fi module				Included
Interface for home automation connection and wired control <sup>5</sup>				SC-BIKN2-E

1. Value measured according to the harmonised standard EN 14511. 2. EU Regulation No. 206/2012 -- Value measured according to the harmonised standard EN 14825. 3. Delegated Regulation (EU) No 626/2011 regarding the new energy labelling of air conditioners. 4. Refrigerant leakage contributes to climate change. When released into the atmosphere, refrigerants with a lower global warming potential (GWP) contribute less to global warming than those with a higher GWP. This appliance contains a refrigerant with a GWP of 675. If 1 kg of this refrigerant fluid were released into the atmosphere, therefore, the impact on global warming would be 675 times higher than 1 kg of CO<sub>2</sub> over a period of 100 years. Under no circumstances should the user try to intervene on the refrigerant circuit or disassemble the product. Always contact qualified personnel if necessary. 5. Home automation and optional protocols with dedicated interfaces: KNX, Modbus, BACnet.



# MULTISPLIT HYPER

## Twin / Triple combinations



Model	Indoor unit		FDT~VH	FDTC~VH	FDUM~VH	FDE~VH	FDF~VH	SRK~ZSX-WF	FDT~VH	FDTC~VH	FDUM~VH	FDE~VH	SRK~ZSX-WF	
	Combinations	TWIN	40+40	40+40	40+40	40+40								
Outdoor unit			FDC 71 VNX-W											
Rated capacity (T=35°C)	Cooling	kW	7.10	7.10	7.10	7.10								
Rated absorbed power (T=35°C)		kW	1.61	1.73	1.76	1.76								
Rated energy efficiency coefficient		EER <sup>1</sup>	4.40	4.12	4.03	4.03								
Rated capacity (T=7°C)	Heating	kW	8.00	8.00	8.00	8.00								
Rated absorbed power (T=7°C)		kW	1.83	1.83	1.80	2.10								
Rated energy performance coefficient		COP <sup>1</sup>	4.38	4.37	4.44	3.81								
Installation accessories			DIS-WA1G											
Controls			RC-EX3A / RC-E5											

Model	Indoor unit		FDT~VH	FDTC~VH	FDUM~VH	FDE~VH	FDF~VH	SRK~ZSX-WF	FDT~VH	FDTC~VH	FDUM~VH	FDE~VH	SRK~ZSX-WF	
	Combinations	TWIN	50+50	50+50	50+50	50+50								
Outdoor unit			FDC 100 VSX-W											
Rated capacity (T=35°C)	Cooling	kW	10.00	10.00	10.00	10.00								
Rated absorbed power (T=35°C)		kW	2.30	2.60	2.66	2.48								
Rated energy efficiency coefficient		EER <sup>1</sup>	4.35	3.84	3.76	4.04								
Rated capacity (T=7°C)	Heating	kW	11.20	11.20	11.20	11.20								
Rated absorbed power (T=7°C)		kW	2.64	3.04	2.96	2.88								
Rated energy performance coefficient		COP <sup>1</sup>	4.25	3.69	3.79	3.89								
Installation accessories			DIS-WA1G											
Controls			RC-EX3A / RC-E5											
Communication interface														












Model	Indoor unit		FDT~VH	FDTC~VH	FDUM~VH	FDE~VH	FDF~VH	SRK~ZSX-WF	FDT~VH	FDTC~VH	FDUM~VH	FDE~VH	SRK~ZSX-WF	
	Combinations	TWIN	60+60	60+60	60+60	60+60								
Outdoor unit			FDC 125 VSX-W											
Rated capacity (T=35°C)	Cooling	kW	12.50	12.50	12.50	12.50								
Rated absorbed power (T=35°C)		kW	2.98	3.67	3.26	3.49								
Rated energy efficiency coefficient		EER <sup>1</sup>	4.19	3.41	3.83	3.58								
Rated capacity (T=7°C)	Heating	kW	14.00	14.00	14.00	14.00								
Rated absorbed power (T=7°C)		kW	3.03	4.05	3.26	3.27								
Rated energy performance coefficient		COP <sup>1</sup>	4.62	3.45	4.30	4.29								
Installation accessories			DIS-WA1G											
Controls			RC-EX3A / RC-E5											
Communication interface														

Model	Indoor unit		FDT~VH	FDTC~VH	FDUM~VH	FDE~VH	FDF~VH	SRK~ZSX-WF	FDT~VH	FDTC~VH	FDUM~VH	FDE~VH	SRK~ZSX-WF	
	Combinations	TWIN	71+71		71+71	71+71								71+71
Outdoor unit			FDC 140 VSX-W											
Rated capacity (T=35°C)	Cooling	kW	14.00		14.00	14.00	14.00							
Rated absorbed power (T=35°C)		kW	3.44		3.97	4.16	3.78							
Rated energy efficiency coefficient		EER <sup>1</sup>	4.07		3.53	3.36	3.71							
Rated capacity (T=7°C)	Heating	kW	16.00		16.00	16.00	16.00							
Rated absorbed power (T=7°C)		kW	3.64		3.91	3.97	4.27							
Rated energy performance coefficient		COP <sup>1</sup>	4.40		4.10	4.03	3.75							
Installation accessories			DIS-WA1G											
Controls			RC-EX3A / RC-E5											
Communication interface														

<sup>1</sup> Value measured according to harmonised standard EN14511.

### BRANCH PIPE KIT

DIS-WA1G	DIS-WB1G	DIS-TA1G	DIS-TB1G
Gas side 	Gas side 	Gas side 	Gas side 
Liquid side 	Liquid side 	Liquid side 	Liquid side 
Reducer 	Reducer 	Reducer 	

# MULTISPLIT HYPER












## V MULTI combinations



<b>Model</b>	<b>Indoor unit</b>	<b>FDE~VH / FDT~VH</b>		
	<b>V-Multi combinations</b>	<b>40+40</b>		
	<b>Outdoor unit</b>	<b>FDC 71 VNX-W</b>		
Rated capacity (T=35°C)	Cooling	kW	7.10	
Rated absorbed power (T=35°C)		kW	1.63	
Rated energy efficiency coefficient		EER <sup>1</sup>	4.36	
Rated capacity (T=7°C)	Heating	kW	8.00	
Rated absorbed power (T=7°C)		kW	1.85	
Rated energy performance coefficient		COP <sup>1</sup>	4.32	
Installation accessories			DIS-WA1G	
Controls			RC-EX3A / RC-E5	
<b>Model</b>	<b>Indoor unit</b>	<b>FDE~VH / FDT~VH</b>		
	<b>V-Multi combinations</b>	<b>50+50</b>		
	<b>Outdoor unit</b>	<b>FDC 100 VSX-W</b>		
Rated capacity (T=35°C)	Cooling	kW	10.00	
Rated absorbed power (T=35°C)		kW	2.47	
Rated energy efficiency coefficient		EER <sup>1</sup>	4.05	
Rated capacity (T=7°C)	Heating	kW	11.20	
Rated absorbed power (T=7°C)		kW	2.87	
Rated energy performance coefficient		COP <sup>1</sup>	3.90	
Installation accessories			DIS-WA1G	
Controls			RC-EX3A / RC-E5	
<b>Model</b>	<b>Indoor unit</b>	<b>FDE~VH / FDT~VH</b>		
	<b>V-Multi combinations</b>	<b>60+60</b>	<b>50+71</b>	
	<b>Outdoor unit</b>	<b>FDC 125 VSX-W</b>		
Rated capacity (T=35°C)	Cooling	kW	12.50	12.50
Rated absorbed power (T=35°C)		kW	3.48	3.45
Rated energy efficiency coefficient		EER <sup>1</sup>	3.59	3.62
Rated capacity (T=7°C)	Heating	kW	14.00	14.00
Rated absorbed power (T=7°C)		kW	3.26	3.24
Rated energy performance coefficient		COP <sup>1</sup>	4.29	4.32
Installation accessories			DIS-WA1G	
Controls			RC-EX3A / RC-E5	
<b>Model</b>	<b>Indoor unit</b>	<b>FDE~VH / FDT~VH</b>		
	<b>V-Multi combinations</b>	<b>71+71</b>		
	<b>Outdoor unit</b>	<b>FDC 140 VSX-W</b>		
Rated capacity (T=35°C)	Cooling	kW	14.00	FDE~VH / FDT~VH 14.00
Rated absorbed power (T=35°C)		kW	4.16	4.13
Rated energy efficiency coefficient		EER <sup>1</sup>	3.37	3.39
Rated capacity (T=7°C)	Heating	kW	16.00	16.00
Rated absorbed power (T=7°C)		kW	4.12	4.09
Rated energy performance coefficient		COP <sup>1</sup>	3.88	3.91
Installation accessories			DIS-WA1G	DIS-TA1G
Controls			RC-EX3A / RC-E5	RC-EX3A / RC-E5

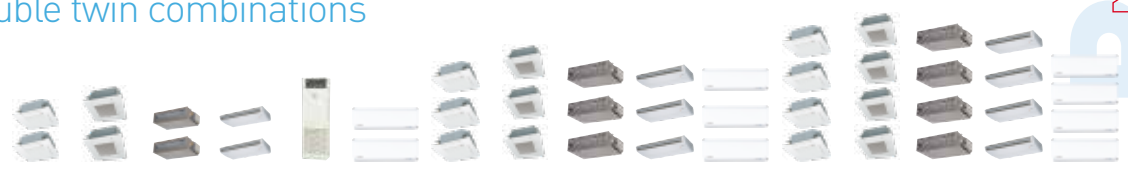
<sup>1</sup> Value measured according to harmonised standard EN14511.

### BRANCH PIPE KIT

DIS-WA1G	DIS-WB1G	DIS-TA1G	DIS-TB1G
Gas side 	Gas side 	Gas side 	Gas side 
Liquid side 	Liquid side 	Liquid side 	Liquid side 
Reducer 	Reducer 	Reducer 	

# MULTISPLIT SUPER

## Twin / Triple / Double twin combinations



Model	Indoor unit		FDT-VH	FDTC-VH	FDUM-VH	FDE-VH	FDV-VH	SRK-ZSK-WF	FDT-VH	FDTC-VH	FDUM-VH	FDE-VH	SRK-ZSK-W	FDT-VH	FDTC-VH	FDUM-VH	FDE-VH	SRK-ZSK-W		
	Combinations	TWIN	50+50	50+50	50+50	50+50		50+50												
		Outdoor unit	FDC100 VNS/A-W															FDC100 VNS/A-W		
Rated capacity (T=35°C)	Cooling	KW	10.00	10.00	10.00	10.00		10.00												
Rated absorbed power (T=35°C)		KW	2.82	3.15	3.25	3.12		2.89												
Rated energy efficiency coefficient		EER <sup>1</sup>	3.55	3.17	3.08	3.21		3.46												
Rated capacity (T=7°C)	Heating	KW	11.20	11.20	11.20	11.20		11.20												
Rated absorbed power (T=7°C)		KW	2.73	3.05	3.04	2.99		2.61												
Rated energy performance coefficient		COP <sup>1</sup>	4.11	3.67	3.68	3.75		4.29												
Installation accessories	DIS-WA1G															DIS-WA1G				
Controls	RC-E33A/RC-E5															RC-E33A/RC-E5				
Communication interface																2xSC-BKNQ2-E				

Model	Indoor unit		FDT-VH	FDTC-VH	FDUM-VH	FDE-VH	FDV-VH	SRK-ZSK-WF	FDT-VH	FDTC-VH	FDUM-VH	FDE-VH	SRK-ZSK-WF	FDT-VH	FDTC-VH	FDUM-VH	FDE-VH	SRK-ZSK-WF		
	Combinations	TWIN	60+60	60+60	60+60	60+60		60+60												
		Outdoor unit	FDC125 VNS/A-W															FDC125 VNS/A-W		
Rated capacity (T=35°C)	Cooling	KW	12.50	12.50	12.50	12.50		12.50												
Rated absorbed power (T=35°C)		KW	3.79	4.90	4.53	4.16		4.54												
Rated energy efficiency coefficient		EER <sup>1</sup>	3.30	2.55	2.76	3.00		2.76												
Rated capacity (T=7°C)	Heating	KW	14.00	14.00	14.00	14.00		14.00												
Rated absorbed power (T=7°C)		KW	3.31	4.30	3.52	3.54		3.58												
Rated energy performance coefficient		COP <sup>1</sup>	4.23	3.26	3.98	3.95		3.91												
Installation accessories	DIS-WA1G															DIS-WA1G				
Controls	RC-E33A/RC-E5															RC-E33A/RC-E5				
Communication interface																2xSC-BKNQ2-E				

Model	Indoor unit		FDT-VH	FDTC-VH	FDUM-VH	FDE-VH	FDV-VH	SRK-ZR-WF	FDT-VH	FDTC-VH	FDUM-VH	FDE-VH	SRK-ZR-WF	FDT-VH	FDTC-VH	FDUM-VH	FDE-VH	SRK-ZR-WF		
	Combinations	TWIN	71+71		71+71	71+71	71+71		71+71											
		Outdoor unit	FDC140 VNS/A-W															FDC140 VNS/A-W		
Rated capacity (T=35°C)	Cooling	KW	13.60		13.60	13.60	13.60		13.60		13.60	13.60		13.60		13.60		13.60		
Rated absorbed power (T=35°C)		KW	4.22		5.02	4.74	4.46	4.26		4.22		4.75	5.02		4.74		4.26		4.26	
Rated energy efficiency coefficient		EER <sup>1</sup>	3.22		2.71	2.87	3.05	3.19		3.22		2.86	2.71		2.87		3.19		3.19	
Rated capacity (T=7°C)	Heating	KW	15.50		15.50	16.00	15.50	16.00		15.50		15.50	15.50		15.50		15.50		15.50	
Rated absorbed power (T=7°C)		KW	3.57		4.20	4.21	4.49	4.03		3.57		4.60	4.20		4.21		3.74		3.74	
Rated energy performance coefficient		COP <sup>1</sup>	4.34		3.69	3.68	3.46	3.85		3.88		3.37	3.69		3.68		4.14		4.14	
Installation accessories	DIS-WA1G															DIS-TA1G				
Controls	RC-E33A/RC-E5															RC-E33A/RC-E5				
Communication interface																2xSC-BKNQ2-E				

Model	Indoor unit		FDT-VH	FDTC-VH	FDUM-VH	FDE-VH	FDV-VH	SRK-ZR-WF	FDT-VH	FDTC-VH	FDUM-VH	FDE-VH	SRK-ZR-WF	FDT-VH	FDTC-VH	FDUM-VH	FDE-VH	SRK-ZR-WF		
	Combinations	TWIN	100+100		100+100	100+100	100+100		100+100											
		Outdoor unit	FDC200 VSA-W															FDC200 VSA-W		
Rated capacity (T=35°C)	Cooling	KW	20.00		20.00	20.00	20.00		20.00		20.00	20.00		20.00		20.00		20.00		
Rated absorbed power (T=35°C)		KW	5.48		6.58	6.29	6.71	7.46		5.56		6.58	6.29		6.29		6.29		6.29	
Rated energy efficiency coefficient		EER <sup>1</sup>	3.65		3.04	3.18	2.98	2.68		3.60		3.04	3.18		2.89		3.18		3.18	
Rated capacity (T=7°C)	Heating	KW	22.40		22.40	22.40	22.40		22.40		22.40	22.40		22.40		22.40		22.40		
Rated absorbed power (T=7°C)		KW	5.27		5.59	5.66	6.06	6.87		5.27		5.59	5.66		5.66		5.66		5.66	
Rated energy performance coefficient		COP <sup>1</sup>	4.25		4.01	3.96	3.69	3.26		4.25		4.01	3.96		3.96		3.96		3.96	
Installation accessories	DIS-WB1G															DIS-TB1G				
Controls	RC-E33A/RC-E5															RC-E33A/RC-E5				
Interfaccia per comunicazione																2xSC-BKNQ2-E				

Model	Indoor unit		FDT-VH	FDTC-VH	FDUM-VH	FDE-VH	FDV-VH	SRK-ZR-WF	FDT-VH	FDTC-VH	FDUM-VH	FDE-VH	SRK-ZR-WF	FDT-VH	FDTC-VH	FDUM-VH	FDE-VH	SRK-ZR-WF	
	Combinations	TWIN	125+125		125+125	125+125	125+125												
		Outdoor unit	FDC250 VSA-W															FDC250 VSA-W	
Rated capacity (T=35°C)	Cooling	KW	25.00		25.00	25.00	25.00		25.00		25.00	25.00		25.00		25.00		25.00	
Rated absorbed power (T=35°C)		KW	8.20		8.74	8.20	9.54		8.20		8.74	8.20		8.20		8.20		8.20	
Rated energy efficiency coefficient		EER <sup>1</sup>	3.05		2.86	3.05	2.62		2.62		3.42	2.65		2.65		3.11		3.11	
Rated capacity (T=7°C)	Heating	KW	28.00		28.00	28.00	28.00		28.00		28.00	28.00		28.00		28.00		28.00	
Rated absorbed power (T=7°C)		KW	7.37		7.90	7.93	8.37		7.37		7.90	7.93		7.37		7.37		7.37	
Rated energy performance coefficient		COP <sup>1</sup>	3.80		3.54	3.53	3.35		3.35		4.12	3.20		3.20		3.83		3.83	
Installation accessories	DIS-WB1G															2xDIS-WA1G + 1xDIS-WB1G			
Controls	RC-E33A/RC-E5															RC-E33A/RC-E5			

Model	Indoor unit		FDT-VH	FDTC-VH	FDUM-VH	FDE-VH	FDV-VH	SRK-ZR-WF	FDT-VH	FDTC-VH	FDUM-VH	FDE-VH	SRK-ZR-WF	FDT-VH	FDTC-VH	FDUM-VH	FDE-VH	SRK-ZR-WF	
	Combinations	TWIN	140+140		140+140	140+140	140+140												
		Outdoor unit	FDC280 VSA-W															FDC280 VSA-W	
Rated capacity (T=35°C)	Cooling	KW	27.00		27.00	27.00	27.00		27.00		27.00	27.00		27.00		27.00		27.00	
Rated absorbed power (T=35°C)		KW	9.11		10.05	9.31	10.93		9.11		10.05	9.31		9.11		9.11		9.11	
Rated energy efficiency coefficient		EER <sup>1</sup>	2.96		2.69	2.90	2.47		2.47		3.47	2.95		2.95		3.00		3.00	
Rated capacity (T=7°C)	Heating	KW	30.00		30.00	30.00	30.00		30.00		30.00	30.00		30.00		30.00		30.00	
Rated absorbed power (T=7°C)		KW	8.95		8.47	8.98	9.47		8.95		8.47	8.98		8.95		8.95		8.95	
Rated energy performance coefficient		COP <sup>1</sup>	3.35		3.54	3.34	3.17		3.17		3.49	3.34		3.34		3.34		3.34	
Installation accessories	DIS-WB1G															2xDIS-WA1G + 1xDIS-WB1G			
Controls	RC-E33A/RC-E5															RC-E33A/RC-E5			

<sup>1</sup> Value measured according to harmonised standard EN14511.

# MULTISPLIT SUPER

## V MULTI combinations



Model	Indoor unit		FDE~VH / FDT~VH				
	Combinations	V-Multi	50+50				
	Outdoor unit		FDC 100 VN(S)A-W				
Rated capacity (T=35°C)	Cooling	kW	10.00				
Rated absorbed power (T=35°C)		kW	3.11				
Rated energy efficiency coefficient		EER <sup>1</sup>	3.22				
Rated capacity (T=7°C)	Heating	kW	11.20				
Rated absorbed power (T=7°C)		kW	2.98				
Rated energy performance coefficient		COP <sup>1</sup>	3.76				
Installation accessories			DIS-WA1G				
Controls			RC-EX3A / RC-E5				

Model	Indoor unit		FDE~VH / FDT~VH				
	Combinations	V-Multi	60+60	50+71			
	Outdoor unit		FDC 125 VN(S)A-W				
Rated capacity (T=35°C)	Cooling	kW	12.50	12.50			
Rated absorbed power (T=35°C)		kW	4.15	4.13			
Rated energy efficiency coefficient		EER <sup>1</sup>	3.01	3.02			
Rated capacity (T=7°C)	Heating	kW	14.00	14.00			
Rated absorbed power (T=7°C)		kW	3.53	3.51			
Rated energy performance coefficient		COP <sup>1</sup>	3.97	3.99			
Installation accessories			DIS-WA1G				
Controls			RC-EX3A / RC-E5				

Model	Indoor unit		FDE~VH / FDT~VH		FDE~VH / FDT~VH		
	Combinations	V-Multi	71+71		50+50+50		
	Outdoor unit		FDC 140 VN(S)A-W		FDC 140 VN(S)A-W		
Rated capacity (T=35°C)	Cooling	kW	13.60		13.60		
Rated absorbed power (T=35°C)		kW	4.75		4.73		
Rated energy efficiency coefficient		EER <sup>1</sup>	2.86		2.88		
Rated capacity (T=7°C)	Heating	kW	15.50		15.50		
Rated absorbed power (T=7°C)		kW	4.22		4.20		
Rated energy performance coefficient		COP <sup>1</sup>	3.67		3.69		
Installation accessories			DIS-WA1G		DIS-TA1G		
Controls			RC-EX3A / RC-E5		RC-EX3A / RC-E5		

Model	Indoor unit		FDE~VH / FDT~VH					
	Combinations	V-Multi	100+100	71+125	71+71+71			
	Outdoor unit		FDC 200 VSA-W					
Rated capacity (T=35°C)	Cooling	kW	20.00	20.00	20.00			FDE~VH / FDT~VH 50+50+50+50 FDC 200 VSA-W
Rated absorbed power (T=35°C)		kW	5.48	5.44	5.46			
Rated energy efficiency coefficient		EER <sup>1</sup>	3.65	3.68	3.66			
Rated capacity (T=7°C)	Heating	kW	22.40	22.40	22.40			
Rated absorbed power (T=7°C)		kW	5.27	5.23	5.25			
Rated energy performance coefficient		COP <sup>1</sup>	4.25	4.28	4.27			
Installation accessories			DIS-WB1G		DIS-TB1G			2xDIS-WA1G + 1xDIS-WB1G
Controls			RC-EX3A / RC-E5					RC-EX3A / RC-E5

Model	Indoor unit		FDE~VH / FDT~VH		FDE~VH / FDT~VH			
	Combinations	V-Multi	125+125		60+60+125	71+71+100	60+60+60+60	
	Outdoor unit		FDC 250 VSA-W		FDC 250 VSA-W			
Rated capacity (T=35°C)	Cooling	kW	25.00		25.00	25.00	25.00	
Rated absorbed power (T=35°C)		kW	8.20		8.20	8.21	8.20	
Rated energy efficiency coefficient		EER <sup>1</sup>	3.05		3.05	3.05	3.05	
Rated capacity (T=7°C)	Heating	kW	28.00		28.00	28.00	28.00	
Rated absorbed power (T=7°C)		kW	7.37		7.37	7.38	7.37	
Rated energy performance coefficient		COP <sup>1</sup>	3.80		3.80	3.79	3.80	
Installation accessories			DIS-WB1G		DIS-TB1G		2xDIS-WA1G + 1xDIS-WB1G	
Controls			RC-EX3A / RC-E5		RC-EX3A / RC-E5			

Model	Indoor unit		FDE~VH / FDT~VH		FDE~VH / FDT~VH		FDE~VH / FDT~VH	
	Combinations	V-Multi	140+140		71+71+140		71+71+71+71	
	Outdoor unit		FDC 280 VSA-W		FDC 280 VSA-W		FDC 280 VSA-W	
Rated capacity (T=35°C)	Cooling	kW	27.00		27.00		27.00	
Rated absorbed power (T=35°C)		kW	9.11		9.13		9.15	
Rated energy efficiency coefficient		EER <sup>1</sup>	2.96		2.96		2.95	
Rated capacity (T=7°C)	Heating	kW	30.00		30.00		30.00	
Rated absorbed power (T=7°C)		kW	8.95		8.97		8.99	
Rated energy performance coefficient		COP <sup>1</sup>	3.35		3.34		3.34	
Installation accessories			DIS-WB1G		DIS-TB1G		2xDIS-WA1G + 1xDIS-WB1G	
Controls			RC-EX3A / RC-E5		RC-EX3A / RC-E5		RC-EX3A / RC-E5	

<sup>1</sup> Value measured according to harmonised standard EN14511.

### BRANCH PIPE KIT

DIS-WA1G	DIS-WB1G	DIS-TA1G	DIS-TB1G
----------	----------	----------	----------

# ENTHALPY HEAT RECOVERY UNIT

## SAF 150-1000E7

During winter, these recover some of the energy contained in the renewal air expelled from the rooms that would otherwise be dispersed into the atmosphere, using it to preheat the air coming in from outside.

During summer, the exchange is more effective in warmer climates, where the cool air expelled is used to pre-cool the air coming in from outside.

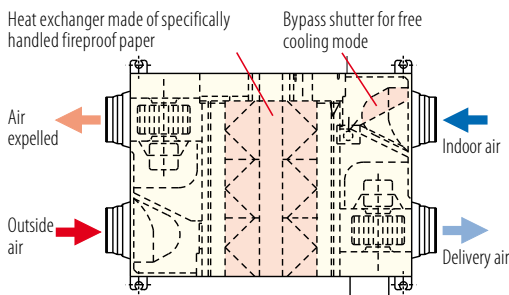
The recovery of dispersed energy reduces the heating requirements of the spaces in a building, ensuring lower emissions and considerable long-term savings on energy consumption and system maintenance.

Wired control included.

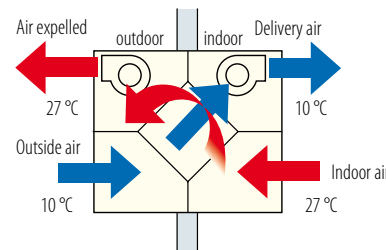


SAF 150E7  
SAF 250E7  
SAF 350E7  
SAF 500E7  
SAF 800E7  
SAF 1000E7

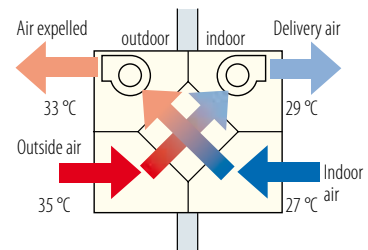
### Structure (SAF 800E7)



### Operating principle in free cooling mode



### Operating principle in heat recovery mode



**Warning:** the drawings above represent only the operation principles; they do not represent the real position of the air inlets. For the correct position, refer to the drawing on the left.

Model			SAF 150E7	SAF 250E7	SAF 350E7	SAF 500E7	SAF 800E7	SAF 1000E7
Type	Enthalpy heat recovery unit							
Control (included)	Wired remote control							
Enthalpy exchange efficiency 1	Cooling	%	63	63	66	62	65	65
	Heating	%	70	70	69	67	71	71
Heat exchange efficiency		%	75	75	75	75	75	75
<b>Electrical data</b>								
Power	Ph-V-Hz		1-220~240-50					
Power absorption	W		92~107	108~123	178~185	204~225	360~378	416~432
Rated absorbed current	A		0.42~0.45	0.49~0.51	0.77~0.81	0.93~0.94	1.58~1.64	1.80~1.89
<b>Product specifications</b>								
External dimensions	LxDxH	mm	970x467x270	882x599x270	1050x804x317	1090x904x317	1322x884x388	1322x1134x388
Net weight	Kg		25	29	49	57	71	83
Sound pressure level	Max	dB(A)	29	31.5	33	37.5	37.5	38.5
Treated air volume	m <sup>3</sup> /h		150	250	350	500	800	1000
Fan pressure head	Max	Pa	80	105	140	120	140	105
Ducting flange	mm		ø98	ø144	ø144	ø194	ø242	ø242
Field of application	Max RH 85%	°C	-10~40					
Specific energy consumption <sup>2</sup>	SEC	kWh/m <sup>2</sup> a	-28.6	-	-	-	-	-
Classé SEC <sup>2</sup>			B	-	-	-	-	-

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

Reference standards:

EU Ecodesign Directive 1253/2014 for non-residential ventilation units (NRVU) and residential ventilation (RVU).

EU Energy Labelling 1254/2014 Residential Ventilation Unit (RVU).





# AIR HANDLING UNIT INTERFACE

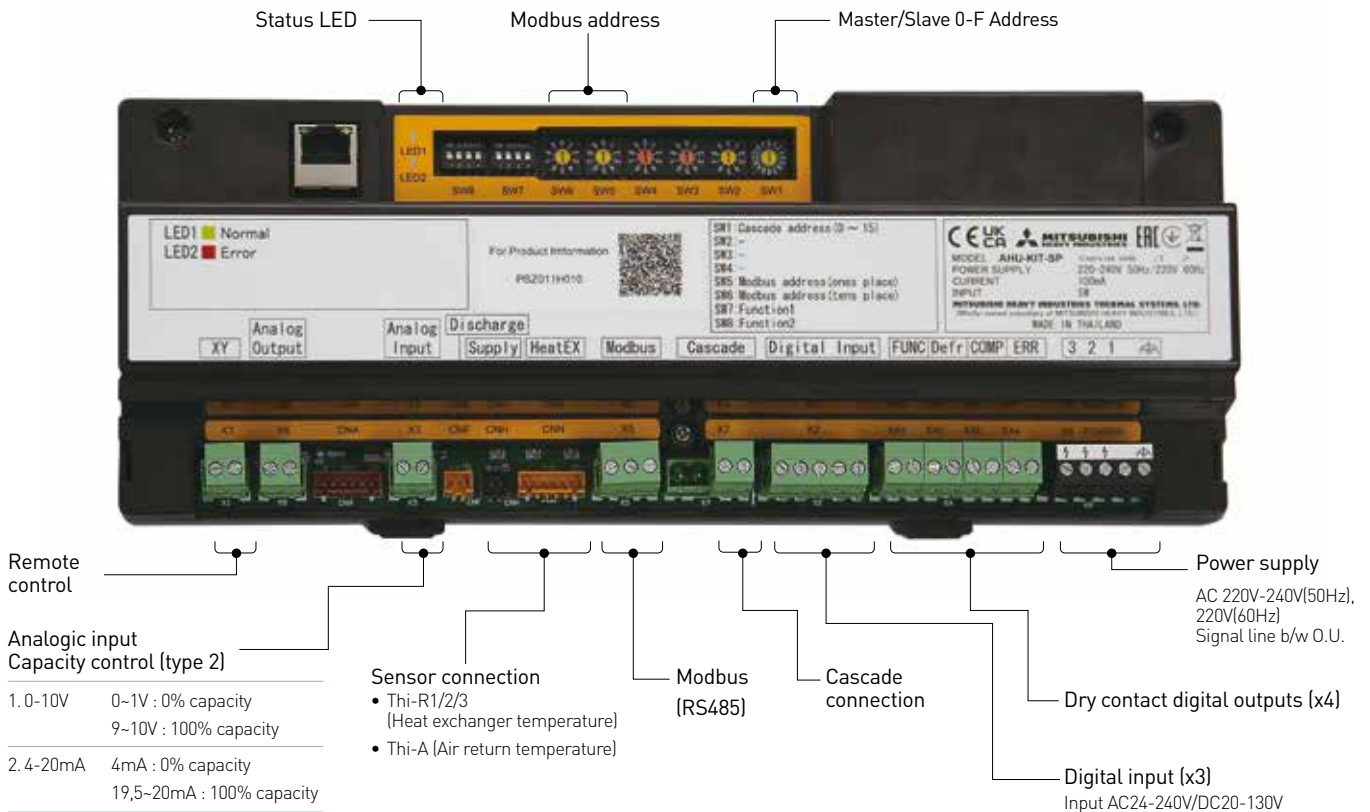
## AHU-KIT-SP

The AHU controller for the air handling units works as an interface between MHI's commercial outdoor units and the air handling unit.

- Compact interface for RAC and PAC outdoor units.
- Capacity control via 0-10V / 4-20 mA signal.
- 3 digital input signals, and 4 output digital signals.
- Connessione Modbus (RS485).
- Cascade control for up to 16 units.
- Inlet air temperature control.



### MAIN COMPONENTS



### MAIN FEATURES

Model	AHU-KIT-SP	
Dimensions (LxDxH)	290x57x109.5 mm	
External input	Capacity control	○ 0-10V DC, 4-20mA(0-100%)
	Cooling / Heating	○
	Operatività On/Off	○
	Emergency stop	○
External output	Comp On/Off	○
	Active/Stop	○
	Defrost On/Off	○
	Cool/Heat Mode	○
Error	○	
Modbus (RS-485)	○	
Cascade control	○ Max 16	
Safety standard	EN60335-1	

### COMPATIBILITY

Capacity	R32
Small	SRC 40/50/60 ZSX-W1/W2 FDC 71 VNX-W
	FDC 100/125/140 VNX-W
Medium	FDC 100/125/140 VSX-W
	FDC 100/125/140 VNA-W
	FDC100/125/140 VSA-W
Large	FDC 200/250/280 VSA-W

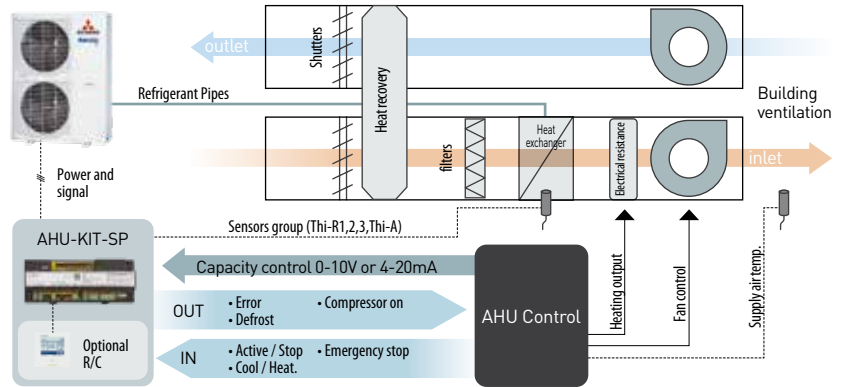
# AIR HANDLING UNIT INTERFACE

## System examples

### GENERAL AHU

1. 0-10V / 4-20mA capacity control
2. Various I / O for better control
3. Optional command

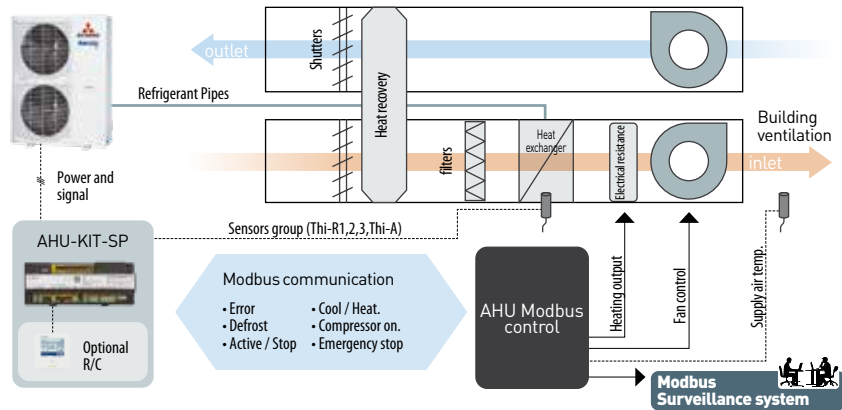
Compatible with standard AHU controllers on the market.  
Wide flexibility.



### MODBUS AHU

1. Modbus connection
2. Same control as the external I / O
3. Optional command

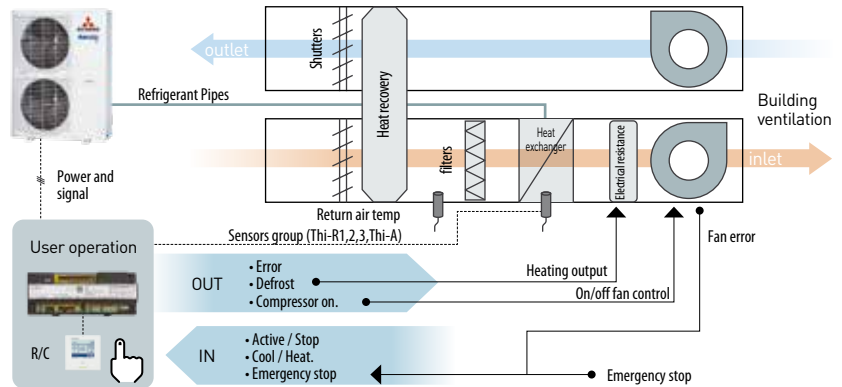
BMS connectivity without any additional devices.



### SIMPLE AHU

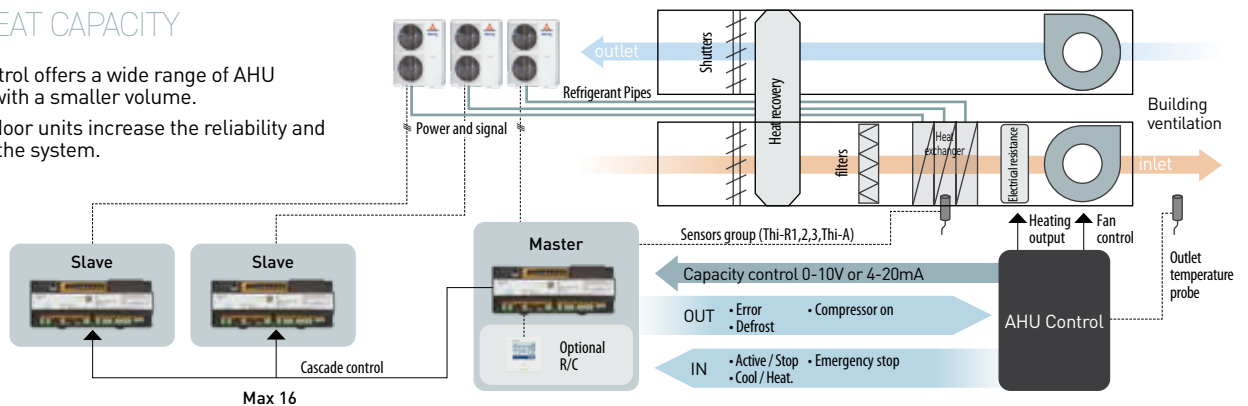
1. Connecting the remote control
2. Adequate external input / output

Simple autonomous management of the AHU through the temperature control set by RC.



### AHU GREAT CAPACITY

Cascade control offers a wide range of AHU capabilities with a smaller volume.  
Multiple outdoor units increase the reliability and efficiency of the system.



# CONTROLS



# REMOTE CONTROLS

## Serial controls

### SRK ZSX/ZS/ZR SRF ZS/ZSX SRR ZS



#### FUNCTIONS

- ON/OFF.
- Operating modes: auto, cooling, heating, dehumidifying and ventilation.
- Fan speed.
- HIGH POWER function.
- ECO function.
- SILENT function (not available for SRR models).
- Air distribution with vertical swing (not available for SRR models).
- Air distribution with horizontal swing (not available for SRR and SRF models).
- 3D AUTO function (not available for SRR and SRF models).
- NIGHT SETBACK function.
- Daily ON/OFF timer.
- Weekly timer.
- SLEEP.
- ALLERGEN CLEAR function (not available for SRR models).
- Key lock.
- Settings reset (ACL).
- Time setup.
- MENU button (only available for ZSX and ZS series models).

### SRK ZTL



#### FUNCTIONS

- ON/OFF.
- Operating modes: auto, cooling, heating, dehumidifying and ventilation.
- Fan speed.
- Air distribution with vertical swing.
- Air distribution with horizontal swing.
- 3D AUTO function.
- HIGH POWER function.
- ECO function.
- SILENT function.
- FUZZY AUTO function.
- ALLERGEN CLEAR function.
- Self Clean operation.
- NIGHT SETBACK function.
- Daily ON/OFF timer.
- Child Lock.
- Brightness adjustment.

## DETAIL OF THE CONTROL FUNCTIONS

- **HIGH POWER:** the unit runs at very high speed to quickly reach the temperature in the set cooling or heating mode.
- **ECO:** the set temperature will be automatically adjusted to avoid excessive cooling or heating.
- **SILENT:** reduction in the speed of the external fan and compressor.
- **3D AUTO:** automatic swing of the louvres (vertical and/or horizontal) according to the room temperature and the set temperature.
- **NIGHT SETBACK:** prevents the room temperature from falling below 10° C.
- **SLEEP:** night-time dampening function.
- **ALLERGEN CLEAR:** activation of anti-allergenic filter.
- **MENU:** button to adjust the brightness of the indicators on the indoor unit, to select the AUTO OFF function, CLEAN function and PRESET function.
- **AUTO OFF:** if there are still no people in the room after 1 hour (can be set from 1 to 2 hours via remote control), the air conditioner stops operation and goes into "stand-by" mode.
- **CLEAN:** this function identifies the automatic mould sanitisation program that can be carried out at the end of the machine's operating cycle.
- **PRESET:** activation of the operating mode in pre-set heating or cooling mode.

# REMOTE CONTROLS

## Serial controls

### SKM ZSP



#### FUNCTIONS

- ON/OFF.
- Operating modes: auto, cooling, heating, dehumidifying and ventilation.
- Fan speed.
- HIGH POWER function.
- ECO function.
- Air distribution with vertical swing.
- Daily ON/OFF timer.
- SLEEP.
- CLEAN function.
- Settings reset (ACL).
- Clock setting.

# INDIVIDUAL CONTROLS

## Optional controls

### WIRED REMOTE CONTROL WITH LCD DISPLAY RC-E5

Wired remote control with LCD display: this display is large and high-contrast for excellent display of information. The wired remote control is capable of controlling up to 16 indoor units.

Main functions:

- Weekly timer as standard.
- Built-in temperature sensor.
- Settable temperature fields.
- Data saving function.
- 4 fan speeds.
- Control for adjusting the static pressure. (for FDU and FDUM models).



### SIMPLIFIED WIRED REMOTE CONTROL RCH-E3

Particularly suitable for use in hotels and small offices, it enables the selection of 3 different ventilation modes.

The simplified wired remote control is capable of controlling up to 16 indoor units.

Simple to use, it has the following essential buttons:

- On/Off.
- Mode.
- Temp. setting.
- Fan speed.
- Built-in temperature sensor.



# INDIVIDUAL CONTROLS

## Optional controls

### RC-EX3A MULTI-LANGUAGE TOUCH SCREEN CONTROL

- Touch screen wired remote control with LCD display.
- Large size: 3.8" with backlighting.  
Simple 3-button interface.  
All settings can be made via the touch screen panel.
- Possibility of selecting up to 9 languages.



### ENERGY SAVING FUNCTIONS

- Off timer.
- Peak-cut timer.
- Reactivation of the last set temperature.
- Weekly timer.
- Set On/Off timer by hour.
- Set On/Off timer by clock.

### COMFORT FUNCTIONS

- Individual control of air outlet louvres.
- Silent mode.
- Temperature retention function.
- Reactivation of the last set temperature.
- 0.5° C temperature increase setting.

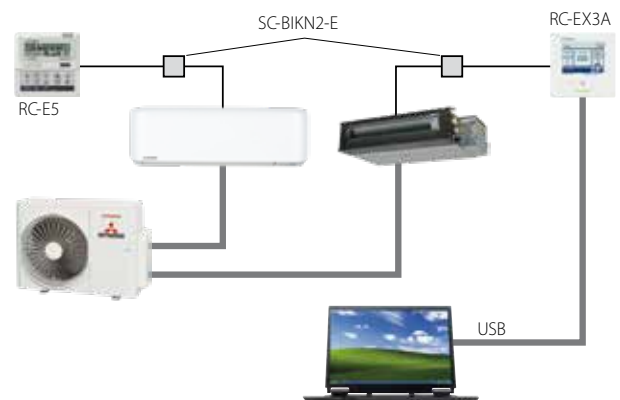
### SERVICES

- Error code display.
- Filter cleaning warning.
- Next display data.
- Contact company display.
- USB connection (mini-B).

### ADVANTAGES

- LCD display contrast setting.
- Backlighting.
- Filter icon.
- Sound control.
- Outdoor unit silent mode.
- Summer timer setting.
- "Home leave" mode.
- Indoor and outdoor temperature display.
- Heating stand-by display.
- Defrost operation display.
- Modes: auto, cooling, heating.
- Display °C / °F.
- Administrator settings.
- Room name setting.
- Anti-draft panel control (for FDT and FDTC models only).

### RC-EX3A control via software



RC-EX 3A command can be controlled via computer using special software.

# INDIVIDUAL CONTROLS

## Optional controls

### TOUCH SCREEN CONTROL RC-EXZ3A ZONE CONTROL for ducted models FDUM and FDU

- Touch screen wired remote control with LCD display.
- Large size: 3.8" with backlighting.  
Simple 3-button interface. All settings can be made via the touch screen panel.
- Possibility of selecting up to 9 languages.
- Main functions the same as RC-EX3A control.



## ZONE CONTROL SYSTEM

Room temperatures can be controlled with a single ducted indoor unit.



## ZONE CONTROL FUNCTION

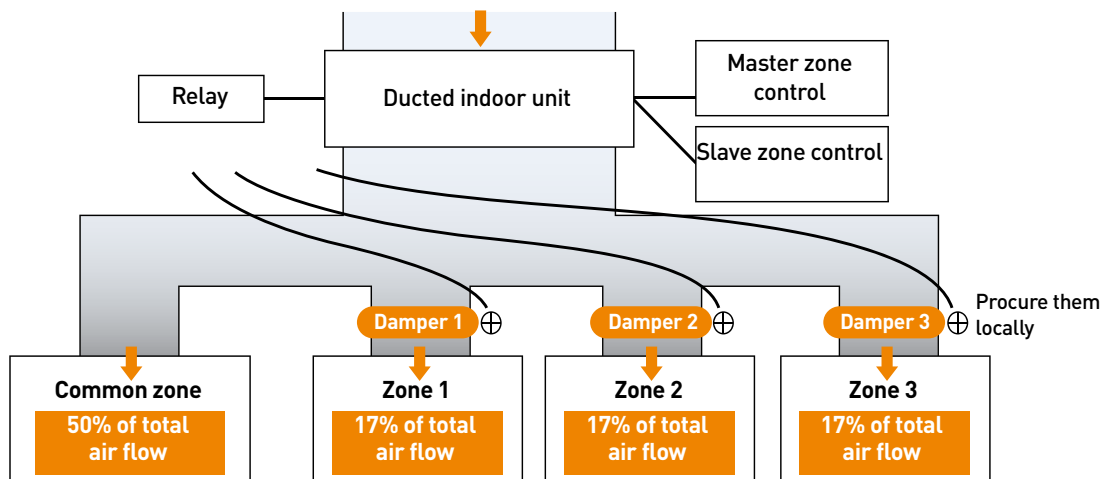
(FDUM 40~140 VH; FDU 71~280 VH)

This model has a zone control function and can control up to a maximum of 4 zones.

The zones consist of one common zone (\*1) and three split zones (\*2).

The dampers of each zone can be opened or closed via the RC-EXZ3A remote control.

A timer function for opening/closing the dampers is also available.



### Notes

\*1 Common zone: zone where the damper is not installed.

\*2 Split zone: zone where the damper is opened automatically.

It is not possible to control more than 4 zones.

Procure the relevant parts of the system (relays, dampers, ducts, wiring, dampers) locally.

Design the ductwork in such a way that the common zone and split zones individually do not exceed 50% of the total air flow.

Ducts in split zones must have the same static pressure.



# KITS FOR REMOTE CONTROL

## Optional controls

RCN-KIT4-E2

FDUM  
FDU  
FDF



RCN-E-E3

FDE



RCN-TC-5AW-E3  
RCN-T-5BW-E2

FDT  
FDTC



RCN-T-5BB-E2

FDT



## SC-ADNA-E INTERFACE CARD

This interface card makes it possible to connect the indoor units to the Superlink II network, thus ensuring they can be managed using the SC-SL2N-E device and other centralisers.

Functions:

- Transmission of Superlink II data bus information directed towards the indoor units connected.
- Ability to block the settings of the single indoor units from a centraliser (remote).
- Transmission of the signal showing any faults with the indoor units connected to the Superlink II device, displaying an error code.



## SUPERLINK II CONNECTION

Model	Interface	Controls
SRK ZSX SRK ZS SRK ZTL SRK ZR SRF ZS, ZSX, ZMX SRR ZS, ZM	SC-BIKN2-E SC-ADNA-E	RC-E5 RC-EX3A
FDT C VH1, VH, VF FDT VH FDUM VH FDU VH FDE VH FDF VH	SC-ADNA-E	

## OPTIONAL KIT SC-BIKN2-E

This interface BOARD allows you to create the 2-wire X, Y network on the units (SRK, SRR, SRF), allowing them to be managed with RC-E5 or RC-EX3A wired control. Furthermore, using the SC-ADNA-E card connected directly to the SC-BIKN2-E card, it is possible to connect the unit to the Superlink II network and centralise management of the units (SRK, SRR, SRF) using remote controls for all functions. The interface card is contained in a box fastened to the wall measuring 120x135x29 mm. The card is also equipped with a CnT connector, which enables the units (SRK, SRR, SRF) to exchange the digital inputs/outputs with an external control.

## WIRELESS CONTROL CONNECTION

Model	Interface	Controls
SRK ZSX SRK ZS SRK ZTL SRK ZR SRF ZS, ZSX, ZMX SRR ZS, ZM	SC-BIKN2-E	RC-E5 RC-EX3A
FDT C VH1, VH, VF FDT VH FDUM VH FDU VH FDE VH FDF VH	not required	

# WI-FI CONTROL

## Kit Wi-Fi WF-RAC



### WI-FI CONTROL SYSTEM FOR SRK, SRR, SRF UNITS

With the Smart M-Air app, you can easily bring the remote control of your air conditioner with you wherever you go on your smartphone and/or tablet.

The Wi-Fi control lets you set the ideal climate even when you're away from home, thus creating the right comfort when you return home.

### CONNECTION SCREEN EXAMPLES



Available for iOS smartphones and tablets



Available for Android smartphones and tablets



### MAIN APP FUNCTIONS

- On and off control.
- Adjustment of the set temperature.
- Operating mode selection.
- Fan speed.
- Room temperature control.
- Multi-language.
- Weekly timer with 6 daily settings.
- Yearly timer with specific day settings.
- High / low room temperature warning function, temperature limits can be set to be informed when they are exceeded inside the room where the climate is present.
- High and low temperature control function, with this function, the system automatically reactivates operation when the set temperature limits have been exceeded.
- Cooling only operation lock.
- Consumption control function in kWh with monthly graph and economic quantification of consumption in euros.
- Error detection and description.
- Auto App updates.

# WI-FI CONTROL



## Wi-Fi Intesis AC Cloud

INWFIUNI001I000 Universal Wi-Fi Interface for all indoor unit models

INWFI MH001R000 Wi-Fi Interface for indoor Light Commercial, PAC and VRF units (not including SRK models)

### CONTROL OF THE HOME AIR CONDITIONING, EVEN OUTSIDE THE HOME

Termal presents the new Wi-Fi Intesis AC Cloud module which allows access to remote air conditioner control through a downloadable smartphone app.

Thanks to the Intesis AC Cloud App, it is possible to manage the main operating parameters from your home with a simple Wi-Fi connection, or away from home with a simple Internet connection.

The Intesis AC Cloud App lets you individually and entirely control different indoor units, adjusting air conditioning in multiple rooms.

### EXAMPLE OF CONNECTION SCREEN AND DIAGRAM



Available for iOS smartphones and tablets



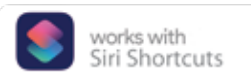
Available for Android smartphones and tablets



### MAIN APP FUNCTIONS

- On and off control.
- Adjustment of the set temperature.
- Operating mode selection.
- Fan speed.
- Louvre control.
- Room temperature control.
- Timer.
- 26 different languages.
- Anti-frost mode setting for overheat.
- Error detection and description.
- Auto App updates.
- Filter cleaning.
- Calendar.
- 3 mobile devices can control a single unit.
- Room presence detector.
- Energy Saving function.

### COMPATIBLE WITH THIRD-PARTY VOICE CONTROLLED SYSTEMS



# CENTRALISED CONTROLS

## Optional controls

### SC-SL4-AE3 CENTRALISED CONTROL PANEL

MHI introduces its new SC-SL4-AE3 Centralised Control with 9" interactive (Full Color Touch) LCD display.

Users can perform monitoring, programming and maintenance from the panel.

It can control up to 128 indoor units.

Users can connect with a PC or tablet through an Internet Explorer (IPad, Windows) WEB interface.



### ALL NEW VERSION FUNCTIONS

The indoor units can be programmed, monitored and examined individually, in groups, and in group blocks with the following functions:

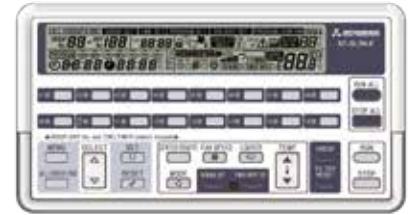
Control	Monitoring	Programming	Administration/Service
On/Off	Operating status	Yearly programming	Block definitions
Cool/heat/fan/dry/Auto modes	Mode	Daily programming	Group definitions
T° setting	Temperature setting.	Special daily programming	Unit definition
Operations allowed/prohibited	Room temperature	Seasonal programming	Date and Time setting
Fan speed	Operations allowed/prohibited		Alarm history
Air direction	Fan speed		
Filter signal reset	Air direction		Cumulative operating time
Request control (3 steps)	Filter signal		
Emergency stop	Maintenance		
	Request control		

# CENTRALISED CONTROLS

## Optional controls

### SC-SL2NA-E CENTRALISED CONTROL PANEL

The SC-SL2NA-E panel is connected to the Superlink II system via a non-polarised 2-wire cable. It enables the user to start up/stop and monitor up to 16 groups simultaneously, for a total of 64 units. It also monitors and controls the following functions for each unit, group of units or for the whole network: temperature setting, position of the louvres, operating errors. The number of units in operation can be seen on the LCD, as can those that require assistance. The timer facilitates the power on and power off cycles. The panel can be connected at any point in the Superlink II network, to both indoor and outdoor units, reducing the length of the wiring used for the connections.



### SC-SL1N-E CENTRALISED CONTROL PANEL

The SC-SL1N-E panel is connected to the Superlink II system via a non-polarised 2-wire cable. It enables the user to start up/stop and monitor up to 16 indoor units simultaneously. The number of units in operation can be seen on the special LEDs, as can those that require assistance. In the context of a Superlink II system, up to 12 SC-SL1N-E panels can coexist, for a total of 128 indoor units controlled.



# DEVICES FOR CONTROLLING THE SUPERLINK II NETWORK

### LONWORKS GATEWAY SC-LGWNB

This platform enables users to connect and centrally control the indoor units, converting the LonWorks communication data into Superlink II communication data. Up to 96 units can be controlled, the highest number possible for the LON systems on the market.



### WEB GATEWAY + BACNET GATEWAY SC-WBGW256

This platform makes a simple monitoring system possible for small and medium-sized installations: it includes metering functions and enables users to control up to 256 indoor units (96 groups - 128 indoor units on 2 Superlink II networks).

Safe and easy: all you need is Internet Explorer, without using any additional software. Using a filter on the IP address, the system lets users select and limit access to the platform through 3 different levels of account authentication.

Integrated metering function.



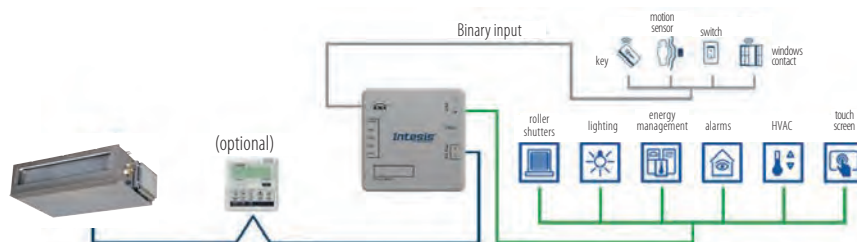
# INTESIS - BMS INTERFACES

## KNX

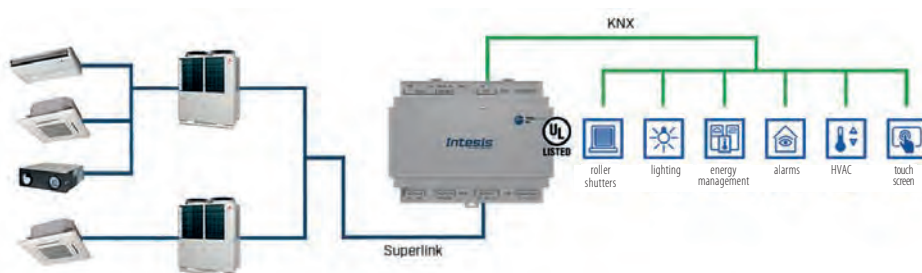
By means of the INKNXMHI001R000, INKNXUNI001I000 and IN776MHIO0S0000, IN776MHIO0M0000, IN776MHIO0L0000 interfaces, it is possible to integrate Mitsubishi Heavy Industries units with supervision that uses the KNX standard.



Example of integration of a light commercial unit with individual control



INKNXMHI001R000



NEW



IN776MHIO0S0000  
IN776MHIO0M0000  
IN776MHIO0L0000

## MODBUS

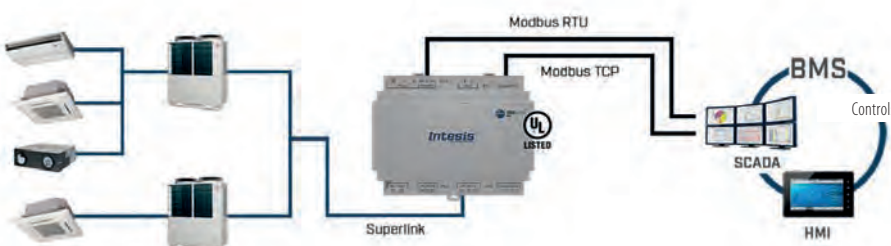
By means of the INMBSMHI001R000, IN485UNI001I000 and IN776MHIO0S0000, IN776MHIO0M0000, IN776MHIO0L0000 interfaces, it is possible to integrate Mitsubishi Heavy Industries units with supervision that uses the Modbus standard.



Example of integration of a light commercial unit with individual control



INKNXMHI001R000



NEW



IN776MHIO0S0000  
IN776MHIO0M0000  
IN776MHIO0L0000

# INTESIS - BMS INTERFACES

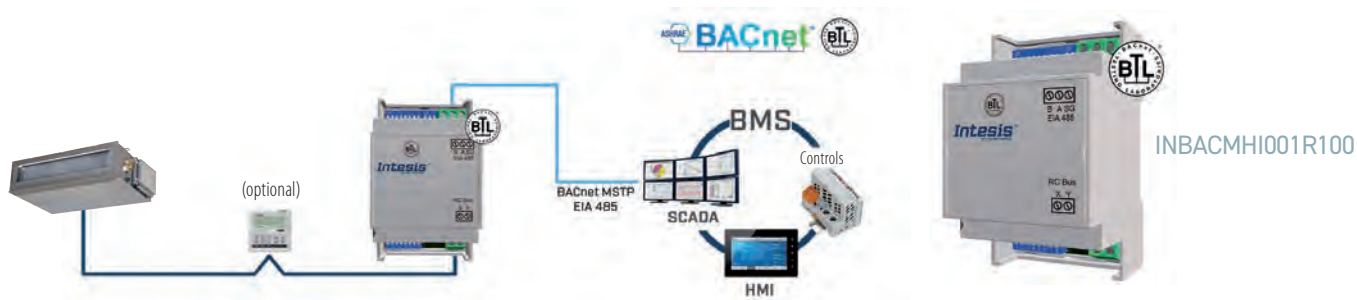
## BACNET

The BACnet Gateways INBACMH1001R000, IN485UNI001I000 and IN776MH100S0000, IN776MH100M0000, IN776MH100L0000 allow two-way communication between Mitsubishi Heavy Industries Commercial and VRF units and BACnet IP and BACnet MS/TP or BACnet MS/TP only networks, respectively.



## BACNET MS/TP NETWORK

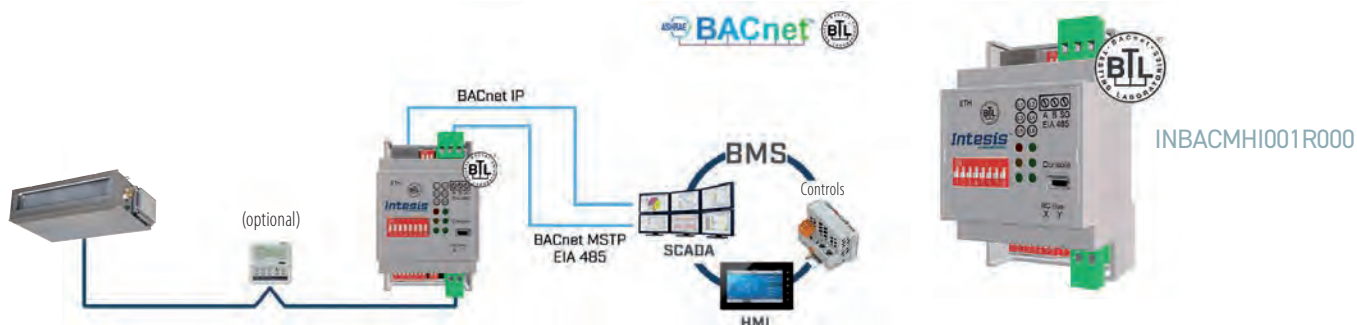
Example of integration of a commercial unit with individual control



INBACMH1001R100

## BACNET MS/TP & BACNET IP NETWORK

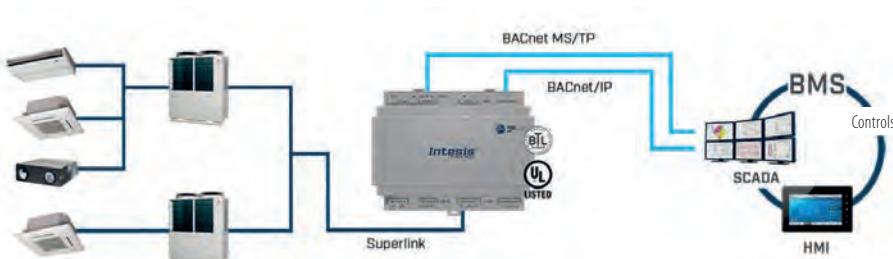
Example of integration of a commercial unit with individual control



INBACMH1001R000

## BACNET MS/TP NETWORK

Example of integration of a commercial unit with individual control



NEW



IN776MH100S000  
IN776MH100M0000  
IN776MH100L0000

# ICON KEY

## Energy saving



### FUZZY AUTO OPERATION

The unit automatically determines the operating mode and temperature setting based on the fuzzy calculation, adjusting the frequency of the Inverter.



### HUMAN SENSOR

This sensor detects the activity and movement of people in the environment, inhibiting unit operation when it is not necessary.



### ECO MODE

The temperature and humidity in the environment are monitored by means of a sensor that automatically controls operation. In combination with the motion sensor, the system allows an energy saving mode to maintain comfort.



### AUTO-OFF

If the air conditioner does not detect the presence of any activity by people in the environment for a certain period of time, operation is automatically stopped.



### ECONOMY MODE

The unit performs an effective energy saving operation while maintaining comfort in cooling and heating.

## Air flow



### JET AIR

Aeronautical technology is used for the design of the air flow system components of the air conditioner.



### 3D AUTO

Choose a single button to choose the optimal 3D cooling/heating mode.



### AUTO LOUVRE MOVEMENT SELECTION

The unit automatically selects the optimum angle of the air diffusion louvre in any operating mode.

COOLING & DEHUMIDIFICATION

Horizontal position



HEATING

Vertical position



### LOUVRE POSITION MEMORY

The unit automatically selects the optimum angle of the air diffusion louvre in any operating mode.



### VERTICAL LOUVRE SWING

The air louvre moves continuously from top to bottom and vice-versa. Up/down oscillation of the louvre can be fixed in the desired operating angle.



### HORIZONTAL LOUVRE SWING

The air deflector moves continuously from left to right and vice-versa. Right/left oscillation of the deflector can be fixed in the desired operating angle.



### AIR CURRENT PREVENTION SETTING

This function can be used via remote control in both cooling and heating mode. This allows even and accurately assistive air flow out of the indoor unit.

## Filters and sanitisation



### ALLERGEN CLEAR FUNCTION

The system is equipped with a function to eliminate allergens: the filter captures the allergens, controlling the temperature and humidity.



### SELF CLEAN FUNCTION

At the end of unit operation, the automatic cleaning procedure starts, continuing for 2 hours. This function dries the indoor unit and prevents the formation of mould.



### ANTI-ALLERGENIC FILTER

The filter neutralises pollen and all the parasites that live on the skin of the animals, eliminating all allergens.



### PHOTOCATALYTIC FILTER

The filter keeps air clean by deodorising the molecules that cause unpleasant odours. The deodorising capacity can easily be restored by simply washing the filter and exposing it to sunlight.



### REMOVABLE PANEL

Maintenance is easy, as the front panel can be easily removed for easy cleaning and maintenance.



# ICON KEY

## Comfort



### AUTOMATIC FUNCTION

This function automatically selects the heating or cooling function according to the indoor room temperature conditions.



### DEHUMIDIFICATION

The unit dehumidifies the environment by means of an intermittent cooling operation.



### HIGH POWER FUNCTION

The unit is able to operate in "HI POWER" enhanced mode for 15 consecutive minutes. This mode is useful for reaching desired temperatures quickly.



### SILENT FUNCTION

The sound level of outdoor units is at least 3 dB(A) lower than the nominal level.



### NIGHT FUNCTION

During cold seasons, temperatures can be kept at a comfortable level even when there are no people in the room. The air conditioner keeps a temperature of 10° C.



### FIREPLACE FUNCTION

The fan continues to operate when the room temperature is stable, the hot air accumulated by the ceiling is kept in circulation in the room.



### WEEKLY TIMER

Up to 4 timer programs are available (ONTIMER / OFF-TIMER) for each day of the week. Max. 28 programs can be set per week.



### 24 HOUR PROGRAMMABLE TIMER

By combining a Start Timer with a Stop Timer, you can record two Timer selections per day. Once set, the Timers will start and stop the system at the scheduled time, repeating the operation every day.



### SLEEP TIMER

During the Sleep mode setting period, the room temperature is automatically controlled so that it is neither too cold nor too hot.



### ON/OFF TIMER

Unit operation will start and stop at the set time.



### COMFORT START-UP

In ON-TIMER mode, the unit automatically starts operation some time earlier so that the environment can approach optimum temperature at the time set for start-up.



### PRE-SET FUNCTION

The pre-set operating mode can be activated with the simple press of a button.



### CHILD LOCK

Button lock function to prevent tampering and involuntary operations. This function is especially useful for families with small children.



### LED INTENSITY ADJUSTMENT

LED display brightness can be adjusted to suit individual needs.



### INSTALLATION POSITION

If the air conditioner is installed near the side wall, the left-right air flow directions can be set using the remote control.

## Other functions



### DEFROST FUNCTION

This mode automatically eliminates frost, minimising excessive operation in other modes.



### SELF-DIAGNOSIS FUNCTION

In the event of air conditioner malfunctions, an internal microprocessor automatically performs a self-diagnosis (inspection and repair must be carried out by the Authorised Technical Service).



### AUTORESTART FUNCTION

The auto-restart function after power failure records the operating conditions of the air conditioner immediately before the power failure so that the same settings can be restored when the power supply returns.



### BACK-UP FUNCTION

There is a backup/off button on the main unit which is useful when you cannot use the remote control or because batteries are low.

# MULTISPLIT R32 COMBINATIONS

# MULTISPLIT R32 COMBINATIONS

R32

## SCM 30 ZS-W

HEATING		Energy performance coefficient SCOP	COP	Heating capacity (kW)					Absorption (W)			Rated current (A)		
				Capacity for each room (kW)		Total capacity (kW)			Min.	Standard	Max.	220V	230V	240V
				A	B	Min.	Standard	Max.						
1 room	15	-	3.92	2.00	-	1.00	2.00	3.20	250	510	940	2.4	2.3	2.2
	20	-	3.85	3.00	-	1.00	3.00	4.30	250	780	1260	3.7	3.6	3.4
	25	-	3.74	3.40	-	1.00	3.40	4.50	250	910	1310	4.4	4.2	4.0
2 rooms	15 + 15	4.80	5.41	2.00	2.00	1.10	4.00	5.70	250	740	1490	3.5	3.4	3.2
	15 + 20	4.80	5.41	1.71	2.29	1.10	4.00	5.70	250	740	1490	3.5	3.4	3.2
	15 + 25	4.80	5.41	1.50	2.50	1.10	4.00	5.70	250	740	1490	3.5	3.4	3.2
	20 + 20	4.80	5.41	2.00	2.00	1.10	4.00	5.70	250	740	1490	3.5	3.4	3.2
	20 + 25	4.80	5.41	1.78	2.22	1.10	4.00	5.70	250	740	1490	3.5	3.4	3.2
	25 + 25	4.80	5.41	2.00	2.00	1.10	4.00	5.70	250	740	1490	3.5	3.4	3.2

SCOP = EU Regulation N. 206/2012 – Value measured in according to harmonized norm EN14825.

COP = Value measured in according to harmonized norm EN 14511.

COOLING		Energy performance coefficient SEER	EER	Cooling Capacity (kW)					Absorption (W)			Rated current (A)		
				Capacity for each room (kW)		Total capacity (kW)			Min.	Standard	Max.	220V	230V	240V
				A	B	Min.	Standard	Max.						
1 room	15	-	4.29	1.50	-	1.40	1.50	2.20	320	350	710	1.8	1.7	1.6
	20	-	3.92	2.00	-	1.40	2.00	2.90	320	510	930	2.6	2.5	2.4
	25	-	3.52	2.50	-	1.40	2.50	3.10	320	710	990	3.6	3.5	3.3
2 rooms	15 + 15	8.60	5.77	1.50	1.50	1.60	3.00	4.40	320	520	1280	2.7	2.5	2.4
	15 + 20	8.60	5.77	1.29	1.71	1.60	3.00	4.90	320	520	1520	2.7	2.5	2.4
	15 + 25	8.60	5.77	1.13	1.88	1.60	3.00	5.00	320	520	1600	2.7	2.5	2.4
	20 + 20	8.60	5.77	1.50	1.50	1.60	3.00	5.00	320	520	1600	2.7	2.5	2.4
	20 + 25	8.60	5.77	1.33	1.67	1.60	3.00	5.00	320	520	1600	2.7	2.5	2.4
	25 + 25	8.60	5.77	1.50	1.50	1.60	3.00	5.00	320	520	1600	2.7	2.5	2.4

SEER = EU Regulation N. 206/2012 – Value measured in according to harmonized norm EN14825.

EER = Value measured in according to harmonized norm EN 14511.

## SCM 40 ZS-W

HEATING		Energy performance coefficient SCOP	COP	Heating capacity (kW)					Absorption (W)			Rated current (A)		
				Capacity for each room (kW)		Total capacity (kW)			Min.	Standard	Max.	220V	230V	240V
				A	B	Min.	Standard	Max.						
1 room	20	-	4.41	3.0	-	1.0	3.0	4.5	250	680	1140	3.2	3.1	3.0
	25	-	4.30	3.4	-	1.0	3.4	4.9	250	790	1270	3.7	3.5	3.4
	35	-	3.95	4.5	-	1.0	4.5	5.4	250	1140	1470	5.3	5.1	4.8
2 rooms	20 + 20	4.70	5.42	2.25	2.25	1.2	4.5	6.3	250	830	1480	3.8	3.7	3.5
	20 + 25	4.70	5.42	2.00	2.50	1.2	4.5	6.3	250	830	1480	3.8	3.7	3.5
	20 + 35	4.70	5.42	1.64	2.86	1.2	4.5	6.3	250	830	1480	3.8	3.7	3.5
	25 + 25	4.70	5.42	2.25	2.25	1.2	4.5	6.3	250	830	1480	3.8	3.7	3.5
	25 + 35	4.70	5.42	1.88	2.63	1.2	4.5	6.3	250	830	1480	3.8	3.7	3.5

SCOP = EU Regulation N. 206/2012 – Value measured in according to harmonized norm EN14825.

COP = Value measured in according to harmonized norm EN 14511.

COOLING		Energy performance coefficient SEER	EER	Cooling Capacity (kW)					Absorption (W)			Rated current (A)		
				Capacity for each room (kW)		Total capacity (kW)			Min.	Standard	Max.	220V	230V	240V
				A	B	Min.	Standard	Max.						
1 room	20	-	4.65	2.00	-	1.5	2.0	3.4	340	430	930	2.2	2.1	2.0
	25	-	4.17	2.50	-	1.5	2.5	3.8	340	600	1110	3.0	2.9	2.8
	35	-	3.50	3.50	-	1.5	3.5	4.5	340	1000	1470	4.7	4.5	4.3
2 rooms	20 + 20	9.10	5.00	2.00	2.00	1.7	4.0	5.9	340	800	2100	3.7	3.5	3.4
	20 + 25	9.10	5.00	1.78	2.22	1.7	4.0	5.9	340	800	2100	3.7	3.5	3.4
	20 + 35	9.10	5.00	1.45	2.55	1.7	4.0	5.9	340	800	2100	3.7	3.5	3.4
	25 + 25	9.10	5.00	2.00	2.00	1.7	4.0	5.9	340	800	2100	3.7	3.5	3.4
	25 + 35	9.10	5.00	1.67	2.33	1.7	4.0	5.9	340	800	2100	3.7	3.5	3.4

SEER = EU Regulation N. 206/2012 – Value measured in according to harmonized norm EN14825.

EER = Value measured in according to harmonized norm EN 14511.

# MULTISPLIT R32 COMBINATIONS

R32

## SCM 45 ZS-W

HEATING		Energy performance coefficient SCOP	COP	Heating capacity (kW)					Absorption (W)			Rated current (A)		
Combined units				Capacity for each room (kW)		Total capacity (kW)			Min.	Standard	Max.	220V	230V	240V
				A	B	Min.	Standard	Max.						
1 room	20		4.41	3.00	-	1.0	3.0	4.5	250	680	1140	3.2	3.1	3.0
	25		4.30	3.40	-	1.0	3.4	4.9	250	790	1270	3.7	3.5	3.4
	35		3.95	4.50	-	1.0	4.5	5.4	250	1140	1470	5.3	5.1	4.8
2 rooms	20 + 20		5.42	2.25	2.25	1.2	4.5	6.5	250	830	1480	3.8	3.7	3.5
	20 + 25	4.70	5.00	2.36	2.94	1.2	5.3	6.5	250	1060	1480	4.9	4.7	4.5
	20 + 35	4.70	5.00	1.93	3.37	1.2	5.3	6.5	250	1060	1480	4.9	4.7	4.5
	25 + 25	4.70	5.00	2.65	2.65	1.2	5.3	6.5	250	1060	1480	4.9	4.7	4.5
	25 + 35	4.70	5.00	2.21	3.09	1.2	5.3	6.5	250	1060	1480	4.9	4.7	4.5
	35 + 35	4.70	5.00	2.65	2.65	1.2	5.3	6.5	250	1060	1480	4.9	4.7	4.5

SCOP = EU Regulation N. 206/2012 – Value measured in according to harmonized norm EN14825.  
COP = Value measured in according to harmonized norm EN 14511.

COOLING		Energy performance coefficient SEER	EER	Cooling Capacity (kW)					Absorption (W)			Rated current (A)		
Combined units				Capacity for each room (kW)		Total capacity (kW)			Min.	Standard	Max.	220V	230V	240V
				A	B	Min.	Standard	Max.						
1 room	20		4.65	2.00	-	1.5	2.0	3.4	340	430	930	2.2	2.1	2.0
	25		4.17	2.50	-	1.5	2.5	3.8	340	600	1110	3.0	2.9	2.8
	35		3.50	3.50	-	1.5	3.5	4.5	340	1000	1470	4.7	4.5	4.3
2 rooms	20 + 20		4.65	2.00	2.00	1.7	4.0	6.2	340	860	2100	4.0	3.8	3.7
	20 + 25	9.10	4.69	2.00	2.50	1.7	4.5	6.4	340	960	2300	4.5	4.3	4.1
	20 + 35	9.10	4.69	1.64	2.86	1.7	4.5	6.4	340	960	2300	4.5	4.3	4.1
	25 + 25	9.10	4.69	2.25	2.25	1.7	4.5	6.4	340	960	2300	4.5	4.3	4.1
	25 + 35	9.10	4.69	1.88	2.63	1.7	4.5	6.4	340	960	2300	4.5	4.3	4.1
	35 + 35	9.10	4.69	2.25	2.25	1.7	4.5	6.4	340	960	2300	4.5	4.3	4.1

SEER = EU Regulation N. 206/2012 – Value measured in according to harmonized norm EN14825.  
EER = Value measured in according to harmonized norm EN 14511.

## SCM 41 ZS-W

HEATING		Energy performance coefficient SCOP	COP	Heating capacity (kW)						Absorption (W)			Rated current (A)			
Combined units				Capacity for each room (kW)				Total capacity (kW)		Min.	Standard	Max.	220V	230V	240V	
				A	B	C	D	Min.	Standard							Max.
1 room	15		3.64	2.00	-	-	-	1.0	2.0	3.2	250	550	990	2.6	2.5	2.4
	20		3.45	3.00	-	-	-	1.0	3.0	4.3	250	870	1330	4.1	3.9	3.8
	25		3.37	3.40	-	-	-	1.0	3.4	4.5	250	1010	1390	4.8	4.6	4.4
	35		3.24	4.50	-	-	-	1.0	4.5	5.0	250	1390	1550	6.6	6.3	6.0
2 rooms	15 + 15	4.50	4.86	1.70	1.70	-	-	1.1	3.4	6.6	250	700	1580	3.3	3.2	3.0
	15 + 20	4.50	4.64	1.67	2.23	-	-	1.1	3.9	6.6	250	840	1580	4.0	3.8	3.6
	15 + 25	4.50	4.41	1.69	2.81	-	-	1.1	4.5	6.6	250	1020	1580	4.8	4.6	4.4
	15 + 35	4.50	4.41	1.35	3.15	-	-	1.1	4.5	6.6	250	1020	1580	4.8	4.6	4.4
	20 + 20	4.50	4.41	2.25	2.25	-	-	1.1	4.5	6.6	250	1020	1580	4.8	4.6	4.4
	20 + 25	4.50	4.41	2.00	2.50	-	-	1.1	4.5	6.6	250	1020	1580	4.8	4.6	4.4
	20 + 35	4.50	4.41	1.64	2.86	-	-	1.1	4.5	6.6	250	1020	1580	4.8	4.6	4.4
3 rooms	35 + 35	4.50	4.41	2.25	2.25	-	-	1.1	4.5	6.6	250	1020	1580	4.8	4.6	4.4
	15 + 15 + 15	4.60	5.56	1.50	1.50	1.50	-	1.2	4.5	6.9	250	810	1580	3.8	3.7	3.5
	15 + 15 + 20	4.60	5.56	1.35	1.35	1.80	-	1.2	4.5	6.9	250	810	1580	3.8	3.7	3.5
	15 + 15 + 25	4.60	5.56	1.23	1.23	2.05	-	1.2	4.5	6.9	250	810	1580	3.8	3.7	3.5
	15 + 15 + 35	4.60	5.56	1.04	1.04	2.42	-	1.2	4.5	6.9	250	810	1580	3.8	3.7	3.5
	15 + 20 + 20	4.60	5.56	1.23	1.64	1.64	-	1.2	4.5	6.9	250	810	1580	3.8	3.7	3.5
	15 + 20 + 25	4.60	5.56	1.13	1.50	1.88	-	1.2	4.5	6.9	250	810	1580	3.8	3.7	3.5
	15 + 20 + 35	4.60	5.56	0.96	1.29	2.25	-	1.2	4.5	6.9	250	810	1580	3.8	3.7	3.5
	20 + 20 + 20	4.60	5.56	1.50	1.50	1.50	-	1.2	4.5	6.9	250	810	1580	3.8	3.7	3.5
	20 + 20 + 25	4.60	5.56	1.38	1.38	1.73	-	1.2	4.5	6.9	250	810	1580	3.8	3.7	3.5
20 + 25 + 25	4.60	5.56	1.29	1.61	1.61	-	1.2	4.5	6.9	250	810	1580	3.8	3.7	3.5	

SCOP = EU Regulation N. 206/2012 – Value measured in according to harmonized norm EN14825.  
COP = Value measured in according to harmonized norm EN 14511.

# MULTISPLIT R32 COMBINATIONS

R32

## SCM 41 ZS-W

COOLING		Energy performance coefficient SEER	EER	Cooling Capacity (kW)							Absorption (W)			Rated current (A)		
Combined units				Capacity for each room (kW)				Total capacity (kW)			Min.	Standard	Max.	220V	230V	240V
				A	B	C	D	Min.	Standard	Max.						
1 room	15		4.17	1.50	-	-	-	1.4	1.5	2.2	320	360	740	1.7	1.6	1.6
	20		3.77	2.00	-	-	-	1.4	2.0	2.9	320	530	970	2.5	2.4	2.3
	25		3.42	2.50	-	-	-	1.4	2.5	3.1	320	730	1040	3.5	3.3	3.2
	35		3.13	3.50	-	-	-	1.4	3.5	4.0	320	1120	1330	5.4	5.1	4.9
2 rooms	15+15	8.40	5.45	1.50	1.50	-	-	1.5	3.0	4.9	320	550	1400	2.6	2.5	2.4
	15+20	8.40	5.00	1.50	2.00	-	-	1.5	3.5	5.5	320	700	1600	3.3	3.2	3.1
	15+25	8.40	4.40	1.50	2.50	-	-	1.5	4.0	5.7	320	910	1650	4.4	4.2	4.0
	15+35	8.40	4.40	1.20	2.80	-	-	1.5	4.0	5.7	320	910	1650	4.4	4.2	4.0
	20+20	8.40	4.40	2.00	2.00	-	-	1.5	4.0	5.7	320	910	1650	4.4	4.2	4.0
	20+25	8.40	4.40	1.78	2.22	-	-	1.5	4.0	5.7	320	910	1650	4.4	4.2	4.0
	20+35	8.40	4.40	1.45	2.55	-	-	1.5	4.0	5.7	320	910	1650	4.4	4.2	4.0
	35+35	8.40	4.40	2.00	2.00	-	-	1.5	4.0	5.7	320	910	1650	4.4	4.2	4.0
3 rooms	15+15+15	9.20	5.56	1.33	1.33	1.33	-	1.6	4.0	6.3	320	720	1650	3.4	3.3	3.2
	15+15+20	9.20	5.56	1.20	1.20	1.60	-	1.6	4.0	6.3	320	720	1650	3.4	3.3	3.2
	15+15+25	9.20	5.56	1.09	1.09	1.82	-	1.6	4.0	6.3	320	720	1650	3.4	3.3	3.2
	15+15+35	9.20	5.56	0.92	0.92	2.15	-	1.6	4.0	6.3	320	720	1650	3.4	3.3	3.2
	15+20+20	9.20	5.56	1.09	1.45	1.45	-	1.6	4.0	6.3	320	720	1650	3.4	3.3	3.2
	15+20+25	9.20	5.56	1.00	1.33	1.67	-	1.6	4.0	6.3	320	720	1650	3.4	3.3	3.2
	15+20+35	9.20	5.56	0.86	1.14	2.00	-	1.6	4.0	6.3	320	720	1650	3.4	3.3	3.2
	20+20+20	9.20	5.56	1.33	1.33	1.33	-	1.6	4.0	6.3	320	720	1650	3.4	3.3	3.2
	20+20+25	9.20	5.56	1.23	1.23	1.54	-	1.6	4.0	6.3	320	720	1650	3.4	3.3	3.2
	20+25+25	9.20	5.56	1.14	1.43	1.43	-	1.6	4.0	6.3	320	720	1650	3.4	3.3	3.2

SEER = EU Regulation N. 206/2012 – Value measured in according to harmonized norm EN14825.

EER = Value measured in according to harmonized norm EN 14511.

## SCM 50 ZS-W

HEATING		Energy performance coefficient SCOP	COP	Heating capacity (kW)							Absorption (W)			Rated current (A)		
Combined units				Capacity for each room (kW)				Total capacity (kW)			Min.	Standard	Max.	220V	230V	240V
				A	B	C	D	Min.	Standard	Max.						
1 room	20		3.85	3.00	-	-	-	1.0	3.0	3.7	320	780	1100	3.6	3.5	3.3
	25		3.58	3.40	-	-	-	1.0	3.4	4.2	320	950	1240	4.4	4.2	4.0
	35		3.54	4.50	-	-	-	1.0	4.5	5.0	320	1270	1490	5.9	5.6	5.4
	50		3.39	5.80	-	-	-	1.0	5.8	6.5	320	1710	2310	7.9	7.6	7.3
2 rooms	20+20		5.14	2.70	2.70	-	-	1.2	5.4	7.3	290	1050	2500	4.9	4.7	4.5
	20+25		5.00	2.62	3.28	-	-	1.2	5.9	7.3	290	1180	2500	5.5	5.2	5.0
	20+35	4.70	5.00	2.18	3.82	-	-	1.2	6.0	7.3	290	1200	2500	5.6	5.3	5.1
	20+50	4.70	5.00	1.71	4.29	-	-	1.2	6.0	7.3	290	1200	2500	5.6	5.3	5.1
	25+25	4.70	5.00	3.00	3.00	-	-	1.2	6.0	7.3	290	1200	2500	5.6	5.3	5.1
	25+35	4.70	5.00	2.50	3.50	-	-	1.2	6.0	7.3	290	1200	2500	5.6	5.3	5.1
	25+50	4.70	5.00	2.00	4.00	-	-	1.2	6.0	7.3	290	1200	2500	5.6	5.3	5.1
	35+35	4.70	5.00	3.00	3.00	-	-	1.2	6.0	7.3	290	1200	2500	5.6	5.3	5.1
3 rooms	20+20+20		4.60	2.00	2.00	2.00	-	1.4	6.0	7.5	270	1160	2500	5.4	5.1	4.9
	20+20+25		4.60	1.85	1.85	2.31	-	1.4	6.0	7.5	270	1160	2500	5.4	5.1	4.9
	20+20+35		4.60	1.60	1.60	2.80	-	1.4	6.0	7.5	270	1160	2500	5.4	5.1	4.9
	20+25+25		4.60	1.71	2.14	2.14	-	1.4	6.0	7.5	270	1160	2500	5.4	5.1	4.9
	20+25+35		4.60	1.50	1.88	2.63	-	1.4	6.0	7.5	270	1160	2500	5.4	5.1	4.9
	25+25+25		4.60	1.76	1.76	2.47	-	1.4	6.0	7.5	270	1160	2500	5.4	5.1	4.9

SCOP = EU Regulation N. 206/2012 – Value measured in according to harmonized norm EN14825.

COP = Value measured in according to harmonized norm EN 14511.

# MULTISPLIT R32 COMBINATIONS

R32

## SCM 50 ZS-W

COOLING		Energy performance coefficient SEER	EER	Cooling Capacity (kW)							Absorption (W)			Rated current (A)		
				Capacity for each room (kW)				Total capacity (kW)			Min.	Standard	Max.	220V	230V	240V
				A	B	C	D	Min.	Standard	Max.						
1 room	20		4.00	2.00	-	-	-	1.7	2.0	2.8	430	500	950	2.4	2.3	2.2
	25		3.68	2.50	-	-	-	1.7	2.5	3.4	430	680	1070	3.2	3.1	3.0
	35		3.47	3.50	-	-	-	1.7	3.5	3.9	430	1010	1230	4.7	4.5	4.3
	50		3.27	5.00	-	-	-	1.7	5.0	5.5	430	1530	2000	7.0	6.7	6.4
2 rooms	20+20		5.33	2.00	2.00	-	-	1.8	4.0	5.7	390	750	1750	3.5	3.3	3.2
	20+25		4.55	2.00	2.50	-	-	1.8	4.5	5.9	390	990	1910	4.6	4.4	4.2
	20+35	8.60	4.50	1.82	3.18	-	-	1.8	5.0	6.5	390	1110	2150	5.1	4.9	4.7
	20+50	8.60	4.50	1.43	3.57	-	-	1.8	5.0	6.5	390	1110	2150	5.1	4.9	4.7
	25+25	8.60	4.50	2.50	2.50	-	-	1.8	5.0	6.5	390	1110	2150	5.1	4.9	4.7
	25+35	8.60	4.50	2.08	2.92	-	-	1.8	5.0	6.5	390	1110	2150	5.1	4.9	4.7
	25+50	8.60	4.50	1.67	3.33	-	-	1.8	5.0	6.5	390	1110	2150	5.1	4.9	4.7
	35+35	8.60	4.50	2.50	2.50	-	-	1.8	5.0	6.5	390	1110	2150	5.1	4.9	4.7
3 rooms	20+20+20		8.80	1.67	1.67	1.67	-	2.1	5.0	7.1	350	1020	2150	4.7	4.5	4.3
	20+20+25		8.80	1.54	1.54	1.92	-	2.1	5.0	7.1	350	1020	2150	4.7	4.5	4.3
	20+20+35		8.80	1.33	1.33	2.33	-	2.1	5.0	7.1	350	1020	2150	4.7	4.5	4.3
	20+25+25		8.80	1.43	1.79	1.79	-	2.1	5.0	7.1	350	1020	2150	4.7	4.5	4.3
	20+25+35		8.80	1.25	1.56	2.19	-	2.1	5.0	7.1	350	1020	2150	4.7	4.5	4.3
	25+25+25		8.80	1.67	1.67	1.67	-	2.1	5.0	7.1	350	1020	2150	4.7	4.5	4.3
	25+25+35		8.80	1.47	1.47	2.06	-	2.1	5.0	7.1	350	1020	2150	4.7	4.5	4.3

SEER = EU Regulation N. 206/2012 – Value measured in according to harmonized norm EN14825.

EER = Value measured in according to harmonized norm EN 14511.

## SCM 60 ZS-W

HEATING		Energy performance coefficient SCOP	COP	Heating capacity (kW)							Absorption (W)			Rated current (A)			
				Capacity for each room (kW)				Total capacity (kW)			Min.	Standard	Max.	220V	230V	240V	
				A	B	C	D	Min.	Standard	Max.							
1 room	20		3.85	3.00	-	-	-	1.0	3.0	3.7	320	780	1100	3.6	3.5	3.3	
	25		3.58	3.40	-	-	-	1.0	3.4	4.2	320	950	1240	4.4	4.2	4.0	
	35		3.54	4.50	-	-	-	1.0	4.5	5.0	320	1270	1490	5.9	5.6	5.4	
	50		3.39	5.80	-	-	-	1.0	5.8	6.5	320	1710	2310	7.9	7.6	7.3	
	60		3.33	6.80	-	-	-	1.0	6.8	7.3	320	2040	2660	9.5	9.1	8.7	
2 rooms	20+20		5.14	2.70	2.70	-	-	1.2	5.4	7.3	290	1050	2100	4.9	4.7	4.5	
	20+25		5.00	2.62	3.28	-	-	1.2	5.9	7.5	290	1180	2550	5.5	5.2	5.0	
	20+35		4.85	2.40	4.20	-	-	1.2	6.6	7.6	290	1360	2800	6.3	6.0	5.8	
	20+50	4.70	4.72	1.94	4.86	-	-	1.2	6.8	7.6	290	1440	2800	6.7	6.4	6.1	
	20+60	4.70	4.72	1.70	5.10	-	-	1.2	6.8	7.6	290	1440	2800	6.7	6.4	6.1	
	25+25		4.89	3.20	3.20	-	-	1.2	6.4	7.6	290	1310	2800	6.1	5.8	5.6	
	25+35	4.70	4.72	2.83	3.97	-	-	1.2	6.8	7.6	290	1440	2800	6.7	6.4	6.1	
	25+50	4.70	4.72	2.27	4.53	-	-	1.2	6.8	7.6	290	1440	2800	6.7	6.4	6.1	
	25+60	4.70	4.72	2.00	4.80	-	-	1.2	6.8	7.6	290	1440	2800	6.7	6.4	6.1	
	35+35	4.70	4.72	3.40	3.40	-	-	1.2	6.8	7.6	290	1440	2800	6.7	6.4	6.1	
	35+50	4.70	4.72	2.80	4.00	-	-	1.2	6.8	7.6	290	1440	2800	6.7	6.4	6.1	
	35+60	4.70	4.72	2.51	4.29	-	-	1.2	6.8	7.6	290	1440	2800	6.7	6.4	6.1	
	50+50	4.70	4.72	3.40	3.40	-	-	1.2	6.8	7.6	290	1440	2800	6.7	6.4	6.1	
	50+60	4.70	4.72	3.09	3.71	-	-	1.2	6.8	7.6	290	1440	2800	6.7	6.4	6.1	
3 rooms	20+20+20		4.60	4.86	2.27	2.27	2.27	-	1.4	6.8	7.8	270	1400	2800	6.5	6.2	6.0
	20+20+25		4.60	4.86	2.09	2.09	2.62	-	1.4	6.8	7.8	270	1400	2800	6.5	6.2	6.0
	20+20+35		4.60	4.86	1.81	1.81	3.17	-	1.4	6.8	7.8	270	1400	2800	6.5	6.2	6.0
	20+20+50		4.60	4.86	1.51	1.51	3.78	-	1.4	6.8	7.8	270	1400	2800	6.5	6.2	6.0
	20+20+60		4.60	4.86	1.36	1.36	4.08	-	1.4	6.8	7.8	270	1400	2800	6.5	6.2	6.0
	20+25+25		4.60	4.86	1.94	2.43	2.43	-	1.4	6.8	7.8	270	1400	2800	6.5	6.2	6.0
	20+25+35		4.60	4.86	1.70	2.13	2.98	-	1.4	6.8	7.8	270	1400	2800	6.5	6.2	6.0
	20+25+50		4.60	4.86	1.43	1.79	3.58	-	1.4	6.8	7.8	270	1400	2800	6.5	6.2	6.0
	20+25+60		4.60	4.86	1.30	1.62	3.89	-	1.4	6.8	7.8	270	1400	2800	6.5	6.2	6.0
	20+35+35		4.60	4.86	1.51	2.64	2.64	-	1.4	6.8	7.8	270	1400	2800	6.5	6.2	6.0
	20+35+50		4.60	4.86	1.30	2.27	3.24	-	1.4	6.8	7.8	270	1400	2800	6.5	6.2	6.0
	25+25+25		4.60	4.86	2.27	2.27	2.27	-	1.4	6.8	7.8	270	1400	2800	6.5	6.2	6.0
	25+25+35		4.60	4.86	2.00	2.00	2.80	-	1.4	6.8	7.8	270	1400	2800	6.5	6.2	6.0
	25+25+50		4.60	4.86	1.70	1.70	3.40	-	1.4	6.8	7.8	270	1400	2800	6.5	6.2	6.0
	25+25+60		4.60	4.86	1.55	1.55	3.71	-	1.4	6.8	7.8	270	1400	2800	6.5	6.2	6.0
	25+35+35		4.60	4.86	1.79	2.51	2.51	-	1.4	6.8	7.8	270	1400	2800	6.5	6.2	6.0
25+35+50		4.60	4.86	1.55	2.16	3.09	-	1.4	6.8	7.8	270	1400	2800	6.5	6.2	6.0	
35+35+35		4.60	4.86	2.27	2.27	2.27	-	1.4	6.8	7.8	270	1400	2800	6.5	6.2	6.0	

SCOP = EU Regulation N. 206/2012 – Value measured in according to harmonized norm EN14825.

COP = Value measured in according to harmonized norm EN 14511.

# MULTISPLIT R32 COMBINATIONS

R32

## SCM 60 ZS-W

COOLING Combined units		Energy performance coefficient SEER	EER	Cooling Capacity (kW)							Absorption (W)			Rated current (A)		
				Capacity for each room (kW)				Total capacity (kW)			Min.	Standard	Max.	220V	230V	240V
				A	B	C	D	Min.	Standard	Max.						
1 room	20		4.00	2.00	-	-	-	1.7	2.0	2.8	430	500	950	2.4	2.3	2.2
	25		3.68	2.50	-	-	-	1.7	2.5	3.4	430	680	1080	3.2	3.1	3.0
	35		3.47	3.50	-	-	-	1.7	3.5	3.9	430	1010	1240	4.7	4.5	4.3
	50		3.27	5.00	-	-	-	1.7	5.0	6.1	430	1530	2100	7.0	6.7	6.4
	60		3.19	6.00	-	-	-	1.7	6.0	6.3	430	1880	2280	8.6	8.3	7.9
2 rooms	20+20		5.33	2.00	2.00	-	-	1.8	4.0	5.7	390	750	1750	3.5	3.3	3.2
	20+25		4.55	2.00	2.50	-	-	1.8	4.5	5.9	390	990	1910	4.6	4.4	4.2
	20+35		4.17	2.00	3.50	-	-	1.8	5.5	6.7	390	1320	2200	6.1	5.8	5.6
	20+50	8.20	3.85	1.71	4.29	-	-	1.8	6.0	6.9	390	1560	2280	7.2	6.9	6.6
	20+60	8.20	3.85	1.50	4.50	-	-	1.8	6.0	6.9	390	1560	2280	7.2	6.9	6.6
	25+25		4.50	2.50	2.50	-	-	1.8	5.0	6.5	390	1110	2150	5.1	4.9	4.7
	25+35	8.20	3.85	2.50	3.50	-	-	1.8	6.0	6.9	390	1560	2280	7.2	6.9	6.6
	25+50	8.20	3.85	2.00	4.00	-	-	1.8	6.0	6.9	390	1560	2280	7.2	6.9	6.6
	25+60	8.20	3.85	1.76	4.24	-	-	1.8	6.0	6.9	390	1560	2280	7.2	6.9	6.6
	35+35	8.20	3.85	3.00	3.00	-	-	1.8	6.0	6.9	390	1560	2280	7.2	6.9	6.6
	35+50	8.20	3.85	2.47	3.53	-	-	1.8	6.0	6.9	390	1560	2280	7.2	6.9	6.6
	35+60	8.20	3.85	2.21	3.79	-	-	1.8	6.0	6.9	390	1560	2280	7.2	6.9	6.6
	50+50	8.20	3.85	3.00	3.00	-	-	1.8	6.0	6.9	390	1560	2280	7.2	6.9	6.6
	50+60	8.20	3.85	2.73	3.27	-	-	1.8	6.0	6.9	390	1560	2280	7.2	6.9	6.6
3 rooms	20+20+20	8.80	4.55	2.00	2.00	2.00	-	2.1	6.0	7.5	350	1320	2280	6.1	5.8	5.6
	20+20+25	8.80	4.55	1.85	1.85	2.31	-	2.1	6.0	7.5	350	1320	2280	6.1	5.8	5.6
	20+20+35	8.80	4.55	1.60	1.60	2.80	-	2.1	6.0	7.5	350	1320	2280	6.1	5.8	5.6
	20+20+50	8.80	4.55	1.33	1.33	3.33	-	2.1	6.0	7.5	350	1320	2280	6.1	5.8	5.6
	20+20+60	8.80	4.55	1.20	1.20	3.60	-	2.1	6.0	7.5	350	1320	2280	6.1	5.8	5.6
	20+25+25	8.80	4.55	1.71	2.14	2.14	-	2.1	6.0	7.5	350	1320	2280	6.1	5.8	5.6
	20+25+35	8.80	4.55	1.50	1.88	2.63	-	2.1	6.0	7.5	350	1320	2280	6.1	5.8	5.6
	20+25+50	8.80	4.55	1.26	1.58	3.16	-	2.1	6.0	7.5	350	1320	2280	6.1	5.8	5.6
	20+25+60	8.80	4.55	1.14	1.43	3.43	-	2.1	6.0	7.5	350	1320	2280	6.1	5.8	5.6
	20+35+35	8.80	4.55	1.33	2.33	2.33	-	2.1	6.0	7.5	350	1320	2280	6.1	5.8	5.6
	20+35+50	8.80	4.55	1.14	2.00	2.86	-	2.1	6.0	7.5	350	1320	2280	6.1	5.8	5.6
	25+25+25	8.80	4.55	2.00	2.00	2.00	-	2.1	6.0	7.5	350	1320	2280	6.1	5.8	5.6
	25+25+35	8.80	4.55	1.76	1.76	2.47	-	2.1	6.0	7.5	350	1320	2280	6.1	5.8	5.6
	25+25+50	8.80	4.55	1.50	1.50	3.00	-	2.1	6.0	7.5	350	1320	2280	6.1	5.8	5.6
	25+25+60	8.80	4.55	1.36	1.36	3.27	-	2.1	6.0	7.5	350	1320	2280	6.1	5.8	5.6
	25+35+35	8.80	4.55	1.58	2.21	2.21	-	2.1	6.0	7.5	350	1320	2280	6.1	5.8	5.6
25+35+50	8.80	4.55	1.36	1.91	2.73	-	2.1	6.0	7.5	350	1320	2280	6.1	5.8	5.6	
35+35+35	8.80	4.55	2.00	2.00	2.00	-	2.1	6.0	7.5	350	1320	2280	6.1	5.8	5.6	

SEER = EU Regulation N. 206/2012 – Value measured in according to harmonized norm EN14825.

EER = Value measured in according to harmonized norm EN 14511.

# MULTISPLIT R32 COMBINATIONS

R32

SCM 71 ZS-W

HEATING		Energy performance coefficient SCOP	COP	Heating capacity (kW)							Absorption (W)			Rated current (A)			
Combined units				Capacity for each room (kW)				Total capacity (kW)			Min.	Standard	Max.	220V	230V	240V	
				A	B	C	D	Min.	Standard	Max.							
1 room	20		3.57	3.00	-	-	-	1.1	3.0	3.7	390	840	1330	4.0	3.8	3.6	
	25		3.40	3.40	-	-	-	1.1	3.4	4.2	390	1000	1510	4.7	4.5	4.3	
	35		3.38	4.50	-	-	-	1.1	4.5	5.0	390	1330	1790	6.2	5.9	5.7	
	50		3.26	5.80	-	-	-	1.1	5.8	6.5	390	1780	2310	8.3	7.9	7.6	
	60		3.24	6.80	-	-	-	1.1	6.8	7.5	390	2100	2660	9.7	9.3	8.9	
2 rooms	20 + 20		4.22	2.70	2.70	-	-	1.5	5.4	7.4	350	1280	1870	6.0	5.7	5.5	
	20 + 25		4.18	2.62	3.28	-	-	1.5	5.9	7.7	350	1410	2130	6.6	6.3	6.0	
	20 + 35		4.11	2.51	4.39	-	-	1.5	6.9	8.3	350	1680	2650	7.8	7.5	7.1	
	20 + 50	4.20	4.10	2.46	6.14	-	-	1.5	8.6	8.9	350	2100	3000	9.7	9.3	8.9	
	20 + 60	4.20	4.10	2.15	6.45	-	-	1.5	8.6	8.9	350	2100	3000	9.7	9.3	8.9	
	25 + 25		4.16	3.20	3.20	-	-	1.5	6.4	8.1	350	1540	2480	7.1	6.8	6.5	
	25 + 35		4.09	3.08	4.32	-	-	1.5	7.4	8.6	350	1810	2910	8.4	8.0	7.7	
	25 + 50	4.20	4.10	2.87	5.73	-	-	1.5	8.6	8.9	350	2100	3000	9.7	9.3	8.9	
	25 + 60	4.20	4.10	2.53	6.07	-	-	1.5	8.6	8.9	350	2100	3000	9.7	9.3	8.9	
	35 + 35	4.20	4.10	4.30	4.30	-	-	1.5	8.6	8.9	350	2100	3000	9.7	9.3	8.9	
	35 + 50	4.20	4.10	3.54	5.06	-	-	1.5	8.6	8.9	350	2100	3000	9.7	9.3	8.9	
	35 + 60	4.20	4.10	3.17	5.43	-	-	1.5	8.6	8.9	350	2100	3000	9.7	9.3	8.9	
	50 + 50	4.20	4.10	4.30	4.30	-	-	1.5	8.6	8.9	350	2100	3000	9.7	9.3	8.9	
	50 + 60	4.20	4.10	3.91	4.69	-	-	1.5	8.6	8.9	350	2100	3000	9.7	9.3	8.9	
	60 + 60	4.20	4.10	4.30	4.30	-	-	1.5	8.6	8.9	350	2100	3000	9.7	9.3	8.9	
3 rooms	20 + 20 + 20		4.21	2.57	2.57	2.57	-	1.6	7.7	9.1	370	1830	3000	8.5	8.1	7.8	
	20 + 20 + 25		4.15	2.46	2.46	3.08	-	1.6	8.0	9.1	370	1930	3000	9.0	8.6	8.2	
	20 + 20 + 35	4.30	4.17	2.29	2.29	4.01	-	1.6	8.6	9.1	370	2060	3000	9.6	9.1	8.8	
	20 + 20 + 50	4.30	4.17	1.91	1.91	4.78	-	1.6	8.6	9.1	370	2060	3000	9.6	9.1	8.8	
	20 + 20 + 60	4.30	4.17	1.72	1.72	5.16	-	1.6	8.6	9.1	370	2060	3000	9.6	9.1	8.8	
	20 + 25 + 25	4.30	4.17	2.46	3.07	3.07	-	1.6	8.6	9.1	370	2060	3000	9.6	9.1	8.8	
	20 + 25 + 35	4.30	4.17	2.15	2.69	3.76	-	1.6	8.6	9.1	370	2060	3000	9.6	9.1	8.8	
	20 + 25 + 50	4.30	4.17	1.81	2.26	4.53	-	1.6	8.6	9.1	370	2060	3000	9.6	9.1	8.8	
	20 + 25 + 60	4.30	4.17	1.64	2.05	4.91	-	1.6	8.6	9.1	370	2060	3000	9.6	9.1	8.8	
	20 + 35 + 35	4.30	4.17	1.91	3.34	3.34	-	1.6	8.6	9.1	370	2060	3000	9.6	9.1	8.8	
	20 + 35 + 50	4.30	4.17	1.64	2.87	4.10	-	1.6	8.6	9.1	370	2060	3000	9.6	9.1	8.8	
	20 + 35 + 60	4.30	4.17	1.50	2.62	4.49	-	1.6	8.6	9.1	370	2060	3000	9.6	9.1	8.8	
	20 + 50 + 50	4.30	4.17	1.43	3.58	3.58	-	1.6	8.6	9.1	370	2060	3000	9.6	9.1	8.8	
	25 + 25 + 25	4.30	4.17	2.87	2.87	2.87	-	1.6	8.6	9.1	370	2060	3000	9.6	9.1	8.8	
	25 + 25 + 35	4.30	4.17	2.53	2.53	3.54	-	1.6	8.6	9.1	370	2060	3000	9.6	9.1	8.8	
	25 + 25 + 50	4.30	4.17	2.15	2.15	4.30	-	1.6	8.6	9.1	370	2060	3000	9.6	9.1	8.8	
	25 + 25 + 60	4.30	4.17	1.95	1.95	4.69	-	1.6	8.6	9.1	370	2060	3000	9.6	9.1	8.8	
	25 + 35 + 35	4.30	4.17	2.26	3.17	3.17	-	1.6	8.6	9.1	370	2060	3000	9.6	9.1	8.8	
	25 + 35 + 50	4.30	4.17	1.95	2.74	3.91	-	1.6	8.6	9.1	370	2060	3000	9.6	9.1	8.8	
	25 + 35 + 60	4.30	4.17	1.79	2.51	4.30	-	1.6	8.6	9.1	370	2060	3000	9.6	9.1	8.8	
25 + 50 + 50	4.30	4.17	1.72	3.44	3.44	-	1.6	8.6	9.1	370	2060	3000	9.6	9.1	8.8		
35 + 35 + 35	4.30	4.17	2.87	2.87	2.87	-	1.6	8.6	9.1	370	2060	3000	9.6	9.1	8.8		
35 + 35 + 50	4.30	4.17	2.51	2.51	3.58	-	1.6	8.6	9.1	370	2060	3000	9.6	9.1	8.8		
4 rooms	20 + 20 + 20 + 20		4.60	4.91	2.15	2.15	2.15	2.15	1.7	8.6	9.4	350	1750	3000	8.1	7.8	7.4
	20 + 20 + 20 + 25		4.60	4.91	2.02	2.02	2.02	2.53	1.7	8.6	9.4	350	1750	3000	8.1	7.8	7.4
	20 + 20 + 20 + 35		4.60	4.91	1.81	1.81	1.81	3.17	1.7	8.6	9.4	350	1750	3000	8.1	7.8	7.4
	20 + 20 + 20 + 50		4.60	4.91	1.56	1.56	1.56	3.91	1.7	8.6	9.4	350	1750	3000	8.1	7.8	7.4
	20 + 20 + 20 + 60		4.60	4.91	1.43	1.43	1.43	4.30	1.7	8.6	9.4	350	1750	3000	8.1	7.8	7.4
	20 + 20 + 25 + 25		4.60	4.91	1.91	1.91	2.39	2.39	1.7	8.6	9.4	350	1750	3000	8.1	7.8	7.4
	20 + 20 + 25 + 35		4.60	4.91	1.72	1.72	2.15	3.01	1.7	8.6	9.4	350	1750	3000	8.1	7.8	7.4
	20 + 20 + 25 + 50		4.60	4.91	1.50	1.50	1.87	3.74	1.7	8.6	9.4	350	1750	3000	8.1	7.8	7.4
	20 + 20 + 25 + 60		4.60	4.91	1.38	1.38	1.72	4.13	1.7	8.6	9.4	350	1750	3000	8.1	7.8	7.4
	20 + 20 + 35 + 35		4.60	4.91	1.56	1.56	2.74	2.74	1.7	8.6	9.4	350	1750	3000	8.1	7.8	7.4
	20 + 20 + 35 + 50		4.60	4.91	1.38	1.38	2.41	3.44	1.7	8.6	9.4	350	1750	3000	8.1	7.8	7.4
	20 + 25 + 25 + 25		4.60	4.91	1.81	2.26	2.26	2.26	1.7	8.6	9.4	350	1750	3000	8.1	7.8	7.4
	20 + 25 + 25 + 35		4.60	4.91	1.64	2.05	2.05	2.87	1.7	8.6	9.4	350	1750	3000	8.1	7.8	7.4
	20 + 25 + 25 + 50		4.60	4.91	1.43	1.79	1.79	3.58	1.7	8.6	9.4	350	1750	3000	8.1	7.8	7.4
	20 + 25 + 35 + 35		4.60	4.91	1.50	1.87	2.62	2.62	1.7	8.6	9.4	350	1750	3000	8.1	7.8	7.4
	20 + 35 + 35 + 35		4.60	4.91	1.38	2.41	2.41	2.41	1.7	8.6	9.4	350	1750	3000	8.1	7.8	7.4
	25 + 25 + 25 + 25		4.60	4.91	2.15	2.15	2.15	2.15	1.7	8.6	9.4	350	1750	3000	8.1	7.8	7.4
	25 + 25 + 25 + 35		4.60	4.91	1.95	1.95	1.95	2.74	1.7	8.6	9.4	350	1750	3000	8.1	7.8	7.4
	25 + 25 + 25 + 50		4.60	4.91	1.72	1.72	1.72	3.44	1.7	8.6	9.4	350	1750	3000	8.1	7.8	7.4
	25 + 25 + 35 + 35		4.60	4.91	1.79	1.79	2.51	2.51	1.7	8.6	9.4	350	1750	3000	8.1	7.8	7.4

SCOP = EU Regulation N. 206/2012 – Value measured in according to harmonized norm EN14825.

COP = Value measured in according to harmonized norm EN 14511.



# MULTISPLIT R32 COMBINATIONS

R32

SCM 71 ZS-W

COOLING		Energy performance coefficient SEER	EER	Cooling Capacity (kW)							Absorption (W)			Rated current (A)		
				Capacity for each room (kW)				Total capacity (kW)			Min.	Standard	Max.	220V	230V	240V
Combined units				A	B	C	D	Min.	Standard	Max.						
				1 room	20		4.00	2.00	-	-	-	1.8	2.0	3.4	480	500
25		3.68	2.50		-	-	-	1.8	2.5	3.8	480	680	1080	3.2	3.1	3.0
35		3.47	3.50		-	-	-	1.8	3.5	4.5	480	1010	1240	4.7	4.5	4.3
50		3.27	5.00		-	-	-	1.8	5.0	6.2	480	1530	2100	7.0	6.7	6.4
2 rooms	60		3.19	6.00	-	-	-	1.8	6.0	6.9	480	1880	2700	8.6	8.3	7.9
	20 + 20		4.76	2.00	2.00	-	-	3.0	4.0	6.1	550	840	1910	4.0	3.8	3.6
	20 + 25		4.55	2.00	2.50	-	-	3.0	4.5	6.4	550	990	2060	4.6	4.4	4.3
	20 + 35		4.17	2.00	3.50	-	-	3.0	5.5	6.9	550	1320	2320	6.1	5.8	5.6
	20 + 50	7.20	3.60	2.03	5.07	-	-	3.0	7.1	7.7	550	1970	2750	9.0	8.7	8.3
	20 + 60	7.20	3.60	1.78	5.33	-	-	3.0	7.1	7.7	550	1970	2750	9.0	8.7	8.3
	25 + 25		4.35	2.50	2.50	-	-	3.0	5.0	6.8	550	1150	2270	5.4	5.1	4.9
	25 + 35		4.01	2.46	3.44	-	-	3.0	5.9	7.2	550	1470	2470	6.8	6.5	6.2
	25 + 50	7.20	3.60	2.37	4.73	-	-	3.0	7.1	7.7	550	1970	2750	9.0	8.7	8.3
	25 + 60	7.20	3.60	2.09	5.01	-	-	3.0	7.1	7.7	550	1970	2750	9.0	8.7	8.3
	35 + 35	7.20	3.60	3.55	3.55	-	-	3.0	7.1	7.7	550	1970	2750	9.0	8.7	8.3
	35 + 50	7.20	3.60	2.92	4.18	-	-	3.0	7.1	7.7	550	1970	2750	9.0	8.7	8.3
	35 + 60	7.20	3.60	2.62	4.48	-	-	3.0	7.1	7.7	550	1970	2750	9.0	8.7	8.3
	50 + 50	7.20	3.60	3.55	3.55	-	-	3.0	7.1	7.7	550	1970	2750	9.0	8.7	8.3
	50 + 60	7.20	3.60	3.23	3.87	-	-	3.0	7.1	7.7	550	1970	2750	9.0	8.7	8.3
	60 + 60	7.20	3.60	3.55	3.55	-	-	3.0	7.1	7.7	550	1970	2750	9.0	8.7	8.3
3 rooms	20 + 20 + 20	7.80	4.84	2.00	2.00	2.00	-	3.7	6.0	8.2	670	1240	2750	5.8	5.5	5.3
	20 + 20 + 25	7.80	4.68	2.00	2.00	2.50	-	3.7	6.5	8.2	670	1390	2750	6.4	6.1	5.9
	20 + 20 + 35	7.80	4.67	1.89	1.89	3.31	-	3.7	7.1	8.2	670	1520	2750	7.0	6.7	6.4
	20 + 20 + 50	7.80	4.67	1.58	1.58	3.94	-	3.7	7.1	8.2	670	1520	2750	7.0	6.7	6.4
	20 + 20 + 60	7.80	4.67	1.42	1.42	4.26	-	3.7	7.1	8.2	670	1520	2750	7.0	6.7	6.4
	20 + 25 + 25	7.80	4.67	2.03	2.54	2.54	-	3.7	7.1	8.2	670	1520	2750	7.0	6.7	6.4
	20 + 25 + 35	7.80	4.67	1.78	2.22	3.11	-	3.7	7.1	8.2	670	1520	2750	7.0	6.7	6.4
	20 + 25 + 50	7.80	4.67	1.49	1.87	3.74	-	3.7	7.1	8.2	670	1520	2750	7.0	6.7	6.4
	20 + 25 + 60	7.80	4.67	1.35	1.69	4.06	-	3.7	7.1	8.2	670	1520	2750	7.0	6.7	6.4
	20 + 35 + 35	7.80	4.67	1.58	2.76	2.76	-	3.7	7.1	8.2	670	1520	2750	7.0	6.7	6.4
	20 + 35 + 50	7.80	4.67	1.35	2.37	3.38	-	3.7	7.1	8.2	670	1520	2750	7.0	6.7	6.4
	20 + 35 + 60	7.80	4.67	1.23	2.16	3.70	-	3.7	7.1	8.2	670	1520	2750	7.0	6.7	6.4
	20 + 50 + 50	7.80	4.67	1.18	2.96	2.96	-	3.7	7.1	8.2	670	1520	2750	7.0	6.7	6.4
	25 + 25 + 25	7.80	4.67	2.37	2.37	2.37	-	3.7	7.1	8.2	670	1520	2750	7.0	6.7	6.4
	25 + 25 + 35	7.80	4.67	2.09	2.09	2.92	-	3.7	7.1	8.2	670	1520	2750	7.0	6.7	6.4
	25 + 25 + 50	7.80	4.67	1.78	1.78	3.55	-	3.7	7.1	8.2	670	1520	2750	7.0	6.7	6.4
	25 + 25 + 60	7.80	4.67	1.61	1.61	3.87	-	3.7	7.1	8.2	670	1520	2750	7.0	6.7	6.4
	25 + 35 + 35	7.80	4.67	1.87	2.62	2.62	-	3.7	7.1	8.2	670	1520	2750	7.0	6.7	6.4
	25 + 35 + 50	7.80	4.67	1.61	2.26	3.23	-	3.7	7.1	8.2	670	1520	2750	7.0	6.7	6.4
	25 + 35 + 60	7.80	4.67	1.48	2.07	3.55	-	3.7	7.1	8.2	670	1520	2750	7.0	6.7	6.4
25 + 50 + 50	7.80	4.67	1.42	2.84	2.84	-	3.7	7.1	8.2	670	1520	2750	7.0	6.7	6.4	
35 + 35 + 35	7.80	4.67	2.37	2.37	2.37	-	3.7	7.1	8.2	670	1520	2750	7.0	6.7	6.4	
35 + 35 + 50	7.80	4.67	2.07	2.07	2.96	-	3.7	7.1	8.2	670	1520	2750	7.0	6.7	6.4	
4 rooms	20 + 20 + 20 + 20		5.00	1.78	1.78	1.78	1.78	4.4	7.1	8.8	890	1420	2750	6.5	6.2	6.0
	20 + 20 + 20 + 25		5.00	1.67	1.67	1.67	2.09	4.4	7.1	8.8	890	1420	2750	6.5	6.2	6.0
	20 + 20 + 20 + 35	8.30	5.00	1.49	1.49	1.49	2.62	4.4	7.1	8.8	890	1420	2750	6.5	6.2	6.0
	20 + 20 + 20 + 50	8.30	5.00	1.29	1.29	1.29	3.23	4.4	7.1	8.8	890	1420	2750	6.5	6.2	6.0
	20 + 20 + 20 + 60	8.30	5.00	1.18	1.18	1.18	3.55	4.4	7.1	8.8	890	1420	2750	6.5	6.2	6.0
	20 + 20 + 25 + 25	8.30	5.00	1.58	1.58	1.97	1.97	4.4	7.1	8.8	890	1420	2750	6.5	6.2	6.0
	20 + 20 + 25 + 35	8.30	5.00	1.42	1.42	1.78	2.49	4.4	7.1	8.8	890	1420	2750	6.5	6.2	6.0
	20 + 20 + 25 + 50	8.30	5.00	1.23	1.23	1.54	3.09	4.4	7.1	8.8	890	1420	2750	6.5	6.2	6.0
	20 + 20 + 25 + 60	8.30	5.00	1.14	1.14	1.42	3.41	4.4	7.1	8.8	890	1420	2750	6.5	6.2	6.0
	20 + 20 + 35 + 35	8.30	5.00	1.29	1.29	2.26	2.26	4.4	7.1	8.8	890	1420	2750	6.5	6.2	6.0
	20 + 20 + 35 + 50	8.30	5.00	1.14	1.14	1.99	2.84	4.4	7.1	8.8	890	1420	2750	6.5	6.2	6.0
	20 + 25 + 25 + 25	8.30	5.00	1.49	1.87	1.87	1.87	4.4	7.1	8.8	890	1420	2750	6.5	6.2	6.0
	20 + 25 + 25 + 35	8.30	5.00	1.35	1.69	1.69	2.37	4.4	7.1	8.8	890	1420	2750	6.5	6.2	6.0
	20 + 25 + 25 + 50	8.30	5.00	1.18	1.48	1.48	2.96	4.4	7.1	8.8	890	1420	2750	6.5	6.2	6.0
	20 + 25 + 35 + 35	8.30	5.00	1.23	1.54	2.16	2.16	4.4	7.1	8.8	890	1420	2750	6.5	6.2	6.0
	20 + 35 + 35 + 35	8.30	5.00	1.14	1.99	1.99	1.99	4.4	7.1	8.8	890	1420	2750	6.5	6.2	6.0
	25 + 25 + 25 + 25	8.30	5.00	1.78	1.78	1.78	1.78	4.4	7.1	8.8	890	1420	2750	6.5	6.2	6.0
	25 + 25 + 25 + 35	8.30	5.00	1.61	1.61	1.61	2.26	4.4	7.1	8.8	890	1420	2750	6.5	6.2	6.0
	25 + 25 + 25 + 50	8.30	5.00	1.42	1.42	1.42	2.84	4.4	7.1	8.8	890	1420	2750	6.5	6.2	6.0
	25 + 25 + 35 + 35	8.30	5.00	1.48	1.48	2.07	2.07	4.4	7.1	8.8	890	1420	2750	6.5	6.2	6.0

SEER = EU Regulation N. 206/2012 – Value measured in according to harmonized norm EN14825.

EER = Value measured in according to harmonized norm EN 14511.

# MULTISPLIT R32 COMBINATIONS

SCM 80 ZS-W

HEATING		Energy performance coefficient SCOP	COP	Heating capacity (kW)							Absorption (W)			Rated current (A)			
				Capacity for each room (kW)				Total capacity (kW)			Min.	Standard	Max.	220V	230V	240V	
				A	B	C	D	Min.	Standard	Max.							
1 room	20		3.57	3.00	-	-	-	1.1	3.0	3.7	390	840	1330	4.0	3.8	3.6	
	25		3.40	3.40	-	-	-	1.1	3.4	4.2	390	1000	1510	4.7	4.5	4.3	
	35		3.38	4.50	-	-	-	1.1	4.5	5.0	390	1330	1790	6.2	5.9	5.7	
	50		3.26	5.80	-	-	-	1.1	5.8	6.5	390	1780	2310	8.3	7.9	7.6	
	60		3.24	6.80	-	-	-	1.1	6.8	7.5	390	2100	2660	9.7	9.3	8.9	
2 rooms	20 + 20		4.22	2.70	2.70	-	-	1.5	5.4	7.4	350	1280	1870	6.0	5.7	5.5	
	20 + 25		4.18	2.62	3.28	-	-	1.5	5.9	7.7	350	1410	2130	6.6	6.3	6.0	
	20 + 35		4.11	2.51	4.39	-	-	1.5	6.9	8.3	350	1680	2650	7.8	7.5	7.1	
	20 + 50		4.10	2.46	6.14	-	-	1.5	8.6	9.5	350	2100	3120	9.7	9.3	8.9	
	20 + 60		4.04	2.33	6.98	-	-	1.5	9.3	9.5	350	2300	3120	10.7	10.2	9.8	
	25 + 25	4.20	4.16	3.20	3.20	-	-	1.5	6.4	8.1	350	1540	2480	7.1	6.8	6.5	
	25 + 35		4.09	3.08	4.32	-	-	1.5	7.4	8.6	350	1810	2910	8.4	8.0	7.7	
	25 + 50		4.10	2.87	5.57	-	-	1.5	8.6	9.5	350	2100	3120	9.7	9.3	8.9	
	25 + 60		4.04	2.74	6.56	-	-	1.5	9.3	9.5	350	2300	3120	10.7	10.2	9.8	
	35 + 35	4.20	4.10	4.30	4.30	-	-	1.5	8.6	9.5	350	2100	3120	9.7	9.3	8.9	
	35 + 50	4.20	4.04	3.83	5.47	-	-	1.5	9.3	9.5	350	2300	3120	10.7	10.2	9.8	
	35 + 60	4.20	4.04	3.43	5.87	-	-	1.5	9.3	9.5	350	2300	3120	10.7	10.2	9.8	
	50 + 50	4.20	4.04	4.65	4.65	-	-	1.5	9.3	9.5	350	2300	3120	10.7	10.2	9.8	
	50 + 60	4.20	4.04	4.23	5.07	-	-	1.5	9.3	9.5	350	2300	3120	10.7	10.2	9.8	
	60 + 60	4.20	4.04	4.65	4.65	-	-	1.5	9.3	9.5	350	2300	3120	10.7	10.2	9.8	
3 rooms	20 + 20 + 20		4.21	2.57	2.57	2.57	-	1.6	7.7	9.6	370	1830	3120	8.5	8.1	7.8	
	20 + 20 + 25		4.15	2.46	2.46	3.08	-	1.6	8.0	9.6	370	1930	3120	9.0	8.6	8.2	
	20 + 20 + 35		4.17	2.29	2.29	4.01	-	1.6	8.6	9.6	370	2060	3120	9.6	9.1	8.8	
	20 + 20 + 50	4.30	4.13	2.07	2.07	5.17	-	1.6	9.3	9.6	370	2250	3120	10.4	10.0	9.6	
	20 + 20 + 60	4.30	4.13	1.86	1.86	5.58	-	1.6	9.3	9.6	370	2250	3120	10.4	10.0	9.6	
	20 + 25 + 25		4.17	2.46	3.07	3.07	-	1.6	8.6	9.6	370	2060	3120	9.6	9.1	8.8	
	20 + 25 + 35	4.30	4.13	2.33	2.91	4.07	-	1.6	9.3	9.6	370	2250	3120	10.4	10.0	9.6	
	20 + 25 + 50	4.30	4.13	1.96	2.45	4.89	-	1.6	9.3	9.6	370	2250	3120	10.4	10.0	9.6	
	20 + 25 + 60	4.30	4.13	1.77	2.21	5.31	-	1.6	9.3	9.6	370	2250	3120	10.4	10.0	9.6	
	20 + 35 + 35	4.30	4.13	2.07	3.62	3.62	-	1.6	9.3	9.6	370	2250	3120	10.4	10.0	9.6	
	20 + 35 + 50	4.30	4.13	1.77	3.10	4.43	-	1.6	9.3	9.6	370	2250	3120	10.4	10.0	9.6	
	20 + 35 + 60	4.30	4.13	1.62	2.83	4.85	-	1.6	9.3	9.6	370	2250	3120	10.4	10.0	9.6	
	20 + 50 + 50	4.30	4.13	1.55	3.88	3.88	-	1.6	9.3	9.6	370	2250	3120	10.4	10.0	9.6	
	20 + 50 + 60	4.30	4.13	1.43	3.58	4.29	-	1.6	9.3	9.6	370	2250	3120	10.4	10.0	9.6	
	25 + 25 + 25		4.17	2.87	2.87	2.87	-	1.6	8.6	9.6	370	2060	3120	9.6	9.1	8.8	
	25 + 25 + 35	4.30	4.13	2.74	2.74	3.83	-	1.6	9.3	9.6	370	2250	3120	10.4	10.0	9.6	
	25 + 25 + 50	4.30	4.13	2.33	2.33	4.65	-	1.6	9.3	9.6	370	2250	3120	10.4	10.0	9.6	
	25 + 25 + 60	4.30	4.13	2.11	2.11	5.07	-	1.6	9.3	9.6	370	2250	3120	10.4	10.0	9.6	
	25 + 35 + 35	4.30	4.13	2.45	3.43	3.43	-	1.6	9.3	9.6	370	2250	3120	10.4	10.0	9.6	
	25 + 35 + 50	4.30	4.13	2.11	2.96	4.23	-	1.6	9.3	9.6	370	2250	3120	10.4	10.0	9.6	
25 + 35 + 60	4.30	4.13	1.94	2.71	5.65	-	1.6	9.3	9.6	370	2250	3120	10.4	10.0	9.6		
25 + 50 + 50	4.30	4.13	1.86	3.72	3.72	-	1.6	9.3	9.6	370	2250	3120	10.4	10.0	9.6		
25 + 50 + 60	4.30	4.13	1.72	3.44	4.13	-	1.6	9.3	9.6	370	2250	3120	10.4	10.0	9.6		
35 + 35 + 35	4.30	4.13	3.10	3.10	3.10	-	1.6	9.3	9.6	370	2250	3120	10.4	10.0	9.6		
35 + 35 + 50	4.30	4.13	2.71	2.71	3.88	-	1.6	9.3	9.6	370	2250	3120	10.4	10.0	9.6		
35 + 35 + 60	4.30	4.13	2.50	2.50	4.29	-	1.6	9.3	9.6	370	2250	3120	10.4	10.0	9.6		
35 + 50 + 50	4.30	4.13	2.41	3.44	3.44	-	1.6	9.3	9.6	370	2250	3120	10.4	10.0	9.6		
4 rooms	20 + 20 + 20 + 20		4.60	4.77	2.33	2.33	2.33	1.7	9.3	9.8	350	1950	3120	9.0	8.6	8.2	
	20 + 20 + 20 + 25		4.60	4.77	2.19	2.19	2.74	1.7	9.3	9.8	350	1950	3120	9.0	8.6	8.2	
	20 + 20 + 20 + 35		4.60	4.77	1.96	1.96	3.43	1.7	9.3	9.8	350	1950	3120	9.0	8.6	8.2	
	20 + 20 + 20 + 50		4.60	4.77	1.69	1.69	4.23	1.7	9.3	9.8	350	1950	3120	9.0	8.6	8.2	
	20 + 20 + 20 + 60		4.60	4.77	1.55	1.55	4.65	1.7	9.3	9.8	350	1950	3120	9.0	8.6	8.2	
	20 + 20 + 25 + 25		4.60	4.77	2.07	2.07	2.58	1.7	9.3	9.8	350	1950	3120	9.0	8.6	8.2	
	20 + 20 + 25 + 35		4.60	4.77	1.86	1.86	2.33	1.7	9.3	9.8	350	1950	3120	9.0	8.6	8.2	
	20 + 20 + 25 + 50		4.60	4.77	1.62	1.62	2.02	1.7	9.3	9.8	350	1950	3120	9.0	8.6	8.2	
	20 + 20 + 25 + 60		4.60	4.77	1.49	1.49	1.86	1.7	9.3	9.8	350	1950	3120	9.0	8.6	8.2	
	20 + 20 + 35 + 35		4.60	4.77	1.69	1.69	2.96	1.7	9.3	9.8	350	1950	3120	9.0	8.6	8.2	
	20 + 20 + 35 + 50		4.60	4.77	1.49	1.49	2.60	1.7	9.3	9.8	350	1950	3120	9.0	8.6	8.2	
	20 + 20 + 35 + 60		4.60	4.77	1.38	1.38	2.41	1.7	9.3	9.8	350	1950	3120	9.0	8.6	8.2	
	20 + 25 + 25 + 25		4.60	4.77	1.96	2.45	2.45	2.45	1.7	9.3	9.8	350	1950	3120	9.0	8.6	8.2
	20 + 25 + 25 + 35		4.60	4.77	1.77	2.21	2.21	3.10	1.7	9.3	9.8	350	1950	3120	9.0	8.6	8.2
	20 + 25 + 25 + 50		4.60	4.77	1.55	1.94	1.94	3.88	1.7	9.3	9.8	350	1950	3120	9.0	8.6	8.2
	20 + 25 + 25 + 60		4.60	4.77	1.43	1.79	1.79	4.29	1.7	9.3	9.8	350	1950	3120	9.0	8.6	8.2
	20 + 25 + 35 + 35		4.60	4.77	1.62	2.02	2.83	2.83	1.7	9.3	9.8	350	1950	3120	9.0	8.6	8.2
	20 + 25 + 35 + 50		4.60	4.77	1.43	1.79	2.50	3.58	1.7	9.3	9.8	350	1950	3120	9.0	8.6	8.2
	20 + 35 + 35 + 35		4.60	4.77	1.49	2.60	2.60	2.60	1.7	9.3	9.8	350	1950	3120	9.0	8.6	8.2
	25 + 25 + 25 + 25		4.60	4.77	2.33	2.33	2.33	2.33	1.7	9.3	9.8	350	1950	3120	9.0	8.6	8.2
25 + 25 + 25 + 35		4.60	4.77	2.11	2.11	2.11	2.96	1.7	9.3	9.8	350	1950	3120	9.0	8.6	8.2	
25 + 25 + 25 + 50		4.60	4.77	1.86	1.86	1.86	3.72	1.7	9.3	9.8	350	1950	3120	9.0	8.6	8.2	
25 + 25 + 25 + 60		4.60	4.77	1.72	1.72	1.72	4.13	1.7	9.3	9.8	350	1950	3120	9.0	8.6	8.2	
25 + 25 + 35 + 35		4.60	4.77	1.94	1.94	2.71	2.71	1.7	9.3	9.8	350	1950	3120	9.0	8.6	8.2	
25 + 25 + 35 + 50		4.60	4.77	1.72	1.72	2.41	3.44	1.7	9.3	9.8	350	1950	3120	9.0	8.6	8.2	
25 + 35 + 35 + 35		4.60	4.77	1.79	2.50	2.50	2.50	1.7	9.3	9.8	350	1950	3120	9.0	8.6	8.2	

SCOP = EU Regulation N. 206/2012 – Value measured in according to harmonized norm EN14825.  
COP = Value measured in according to harmonized norm EN 14511.

# MULTISPLIT R32 COMBINATIONS

SCM 80 ZS-W

R32

COOLING		Energy performance coefficient SEER	EER	Cooling Capacity (kW)							Absorption (W)			Rated current (A)			
				Capacity for each room (kW)				Total capacity (kW)			Min.	Standard	Max.	220V	230V	240V	
				A	B	C	D	Min.	Standard	Max.							
1 room	20		4.00	2.00	-	-	-	1.8	2.0	2.8	480	500	950	2.4	2.3	2.2	
	25		3.68	2.50	-	-	-	1.8	2.5	3.4	480	680	1080	3.2	3.1	3.0	
	35		3.47	3.50	-	-	-	1.8	3.5	3.9	480	1010	1240	4.7	4.5	4.3	
	50		3.27	5.00	-	-	-	1.8	5.0	6.1	480	1530	2100	7.0	6.7	6.4	
	60		3.19	6.00	-	-	-	1.8	6.0	7.0	480	1880	2700	8.6	8.3	7.9	
2 rooms	20 + 20		4.76	2.00	2.00	-	-	3.0	4.0	6.1	550	840	1910	4.0	3.8	3.6	
	20 + 25		4.55	2.00	2.50	-	-	3.0	4.5	6.4	550	990	2060	4.6	4.4	4.3	
	20 + 35		4.17	2.00	3.50	-	-	3.0	5.5	6.9	550	1320	2320	6.1	5.8	5.6	
	20 + 50		3.60	2.03	5.07	-	-	3.0	7.1	8.5	550	1970	2830	9.0	8.7	8.3	
	20 + 60	7.10	3.31	2.00	6.00	-	-	3.0	8.0	8.5	550	2420	2830	11.1	10.6	10.2	
	25 + 25		4.35	2.50	2.50	-	-	3.0	5.0	6.8	550	1150	2270	5.4	5.1	4.9	
	25 + 35		3.78	2.46	3.44	-	-	3.0	5.9	7.2	550	1560	2470	7.2	6.9	6.6	
	25 + 50		3.54	2.47	4.93	-	-	3.0	7.4	8.5	550	2090	2830	9.6	9.2	8.8	
	25 + 60	7.10	3.31	2.35	5.65	-	-	3.0	8.0	8.5	550	2420	2830	11.1	10.6	10.2	
	35 + 35		3.60	3.55	3.55	-	-	3.0	7.1	8.5	550	1970	2830	9.0	8.7	8.3	
	35 + 50	7.10	3.31	3.29	4.71	-	-	3.0	8.0	8.5	550	2420	2830	11.1	10.6	10.2	
	35 + 60	7.10	3.31	2.95	5.05	-	-	3.0	8.0	8.5	550	2420	2830	11.1	10.6	10.2	
	50 + 50	7.10	3.31	4.00	4.00	-	-	3.0	8.0	8.5	550	2420	2830	11.1	10.6	10.2	
	50 + 60	7.10	3.31	3.64	4.36	-	-	3.0	8.0	8.5	550	2420	2830	11.1	10.6	10.2	
	60 + 60	7.10	3.31	4.00	4.00	-	-	3.0	8.0	8.5	550	2420	2830	11.1	10.6	10.2	
3 rooms	20 + 20 + 20		4.84	2.00	2.00	2.00	-	3.7	6.0	8.8	670	1240	2830	5.8	5.5	5.3	
	20 + 20 + 25		4.68	2.00	2.00	2.50	-	3.7	6.5	8.8	670	1390	2830	6.4	6.1	5.9	
	20 + 20 + 35		4.67	1.89	1.89	3.31	-	3.7	7.1	8.8	670	1520	2830	7.0	6.7	6.4	
	20 + 20 + 50	7.70	4.19	1.78	1.78	4.44	-	3.7	8.0	8.8	670	1910	2830	8.8	8.4	8.0	
	20 + 20 + 60	7.70	4.19	1.60	1.60	4.80	-	3.7	8.0	8.8	670	1910	2830	8.8	8.4	8.0	
	20 + 25 + 25		4.67	2.03	2.54	2.54	-	3.7	7.1	8.8	670	1520	2830	7.0	6.7	6.4	
	20 + 25 + 35	7.70	4.19	2.00	2.50	3.50	-	3.7	8.0	8.8	670	1910	2830	8.8	8.4	8.0	
	20 + 25 + 50	7.70	4.19	1.68	2.11	4.21	-	3.7	8.0	8.8	670	1910	2830	8.8	8.4	8.0	
	20 + 25 + 60	7.70	4.19	1.52	1.90	4.57	-	3.7	8.0	8.8	670	1910	2830	8.8	8.4	8.0	
	20 + 35 + 35	7.70	4.19	1.78	3.11	3.11	-	3.7	8.0	8.8	670	1910	2830	8.8	8.4	8.0	
	20 + 35 + 50	7.70	4.19	1.52	2.67	3.81	-	3.7	8.0	8.8	670	1910	2830	8.8	8.4	8.0	
	20 + 35 + 60	7.70	4.19	1.39	2.43	4.17	-	3.7	8.0	8.8	670	1910	2830	8.8	8.4	8.0	
	20 + 50 + 50	7.70	4.19	1.33	3.33	3.33	-	3.7	8.0	8.8	670	1910	2830	8.8	8.4	8.0	
	20 + 50 + 60	7.70	4.19	1.23	3.08	3.69	-	3.7	8.0	8.8	670	1910	2830	8.8	8.4	8.0	
	25 + 25 + 25		4.67	2.37	2.37	2.37	-	3.7	7.1	8.8	670	1520	2830	7.0	6.7	6.4	
	25 + 25 + 35	7.70	4.19	2.35	2.35	3.29	-	3.7	8.0	8.8	670	1910	2830	8.8	8.4	8.0	
	25 + 25 + 50	7.70	4.19	2.00	2.00	4.00	-	3.7	8.0	8.8	670	1910	2830	8.8	8.4	8.0	
	25 + 25 + 60	7.70	4.19	1.82	1.82	4.36	-	3.7	8.0	8.8	670	1910	2830	8.8	8.4	8.0	
	25 + 35 + 35	7.70	4.19	2.11	2.95	2.95	-	3.7	8.0	8.8	670	1910	2830	8.8	8.4	8.0	
	25 + 35 + 50	7.70	4.19	1.82	2.55	3.64	-	3.7	8.0	8.8	670	1910	2830	8.8	8.4	8.0	
	25 + 35 + 60	7.70	4.19	1.67	2.33	4.00	-	3.7	8.0	8.8	670	1910	2830	8.8	8.4	8.0	
	25 + 50 + 50	7.70	4.19	1.60	3.20	3.20	-	3.7	8.0	8.8	670	1910	2830	8.8	8.4	8.0	
25 + 50 + 60	7.70	4.19	1.48	2.96	3.56	-	3.7	8.0	8.8	670	1910	2830	8.8	8.4	8.0		
35 + 35 + 35	7.70	4.19	2.67	2.67	2.67	-	3.7	8.0	8.8	670	1910	2830	8.8	8.4	8.0		
35 + 35 + 50	7.70	4.19	2.33	2.33	3.33	-	3.7	8.0	8.8	670	1910	2830	8.8	8.4	8.0		
35 + 35 + 60	7.70	4.19	2.15	2.15	3.69	-	3.7	8.0	8.8	670	1910	2830	8.8	8.4	8.0		
35 + 50 + 50	7.70	4.19	2.07	2.96	2.96	-	3.7	8.0	8.8	670	1910	2830	8.8	8.4	8.0		
4 rooms	20 + 20 + 20 + 20		8.20	4.71	2.00	2.00	2.00	4.4	8.0	9.2	890	1700	2830	7.8	7.5	7.2	
	20 + 20 + 20 + 25		8.20	4.71	1.88	1.88	1.88	2.35	4.4	8.0	9.2	890	1700	2830	7.8	7.5	7.2
	20 + 20 + 20 + 35		8.20	4.71	1.68	1.68	1.68	2.95	4.4	8.0	9.2	890	1700	2830	7.8	7.5	7.2
	20 + 20 + 20 + 50		8.20	4.71	1.45	1.45	1.45	3.64	4.4	8.0	9.2	890	1700	2830	7.8	7.5	7.2
	20 + 20 + 20 + 60		8.20	4.71	1.33	1.33	1.33	4.00	4.4	8.0	9.2	890	1700	2830	7.8	7.5	7.2
	20 + 20 + 25 + 25		8.20	4.71	1.78	1.78	2.22	2.22	4.4	8.0	9.2	890	1700	2830	7.8	7.5	7.2
	20 + 20 + 25 + 35		8.20	4.71	1.60	1.60	2.00	2.80	4.4	8.0	9.2	890	1700	2830	7.8	7.5	7.2
	20 + 20 + 25 + 50		8.20	4.71	1.39	1.39	1.74	3.48	4.4	8.0	9.2	890	1700	2830	7.8	7.5	7.2
	20 + 20 + 25 + 60		8.20	4.71	1.28	1.28	1.60	3.84	4.4	8.0	9.2	890	1700	2830	7.8	7.5	7.2
	20 + 20 + 35 + 35		8.20	4.71	1.45	1.45	2.55	2.55	4.4	8.0	9.2	890	1700	2830	7.8	7.5	7.2
	20 + 20 + 35 + 50		8.20	4.71	1.28	1.28	2.24	3.20	4.4	8.0	9.2	890	1700	2830	7.8	7.5	7.2
	20 + 20 + 35 + 60		8.20	4.71	1.19	1.19	2.07	3.56	4.4	8.0	9.2	890	1700	2830	7.8	7.5	7.2
	20 + 25 + 25 + 25		8.20	4.71	1.68	2.11	2.11	2.11	4.4	8.0	9.2	890	1700	2830	7.8	7.5	7.2
	20 + 25 + 25 + 35		8.20	4.71	1.52	1.90	1.90	2.67	4.4	8.0	9.2	890	1700	2830	7.8	7.5	7.2
	20 + 25 + 25 + 50		8.20	4.71	1.33	1.67	1.67	3.33	4.4	8.0	9.2	890	1700	2830	7.8	7.5	7.2
	20 + 25 + 25 + 60		8.20	4.71	1.23	1.54	1.54	3.69	4.4	8.0	9.2	890	1700	2830	7.8	7.5	7.2
	20 + 25 + 35 + 35		8.20	4.71	1.39	1.74	2.43	2.43	4.4	8.0	9.2	890	1700	2830	7.8	7.5	7.2
	20 + 25 + 35 + 50		8.20	4.71	1.23	1.54	2.15	3.08	4.4	8.0	9.2	890	1700	2830	7.8	7.5	7.2
	20 + 25 + 35 + 60		8.20	4.71	1.18	2.24	2.24	4.4	8.0	9.2	890	1700	2830	7.8	7.5	7.2	
	25 + 25 + 25 + 25		8.20	4.71	2.00	2.00	2.00	2.00	4.4	8.0	9.2	890	1700	2830	7.8	7.5	7.2
	25 + 25 + 25 + 35		8.20	4.71	1.82	1.82	1.82	2.55	4.4	8.0	9.2	890	1700	2830	7.8	7.5	7.2
	25 + 25 + 25 + 50		8.20	4.71	1.60	1.60	1.60	3.20	4.4	8.0	9.2	890	1700	2830	7.8	7.5	7.2
	25 + 25 + 25 + 60		8.20	4.71	1.48	1.48	1.48	3.56	4.4	8.0	9.2	890	1700	2830	7.8	7.5	7.2
	25 + 25 + 35 + 35		8.20	4.71	1.67	1.67	2.33	2.33	4.4	8.0	9.2	890	1700	2830	7.8	7.5	7.2
	25 + 25 + 35 + 50		8.20	4.71	1.48	1.48	2.07	2.96	4.4	8.0	9.2	890	1700	2830	7.8	7.5	7.2
25 + 35 + 35 + 35		8.20	4.71	1.54	2.15	2.15	2.15	4.4	8.0	9.2	890	1700	2830	7.8	7.5	7.2	

SEER = EU Regulation N.

# MULTISPLIT R32 COMBINATIONS

## SCM 100 ZS-W

R32

HEATING		Energy performance coefficient SCOP	COP	Heating capacity (kW)									Absorption (W)			Rated current (A)		
				Capacity for each room (kW)					Total capacity (kW)				Min.	Standard	Max.	220V	230V	240V
				A	B	C	D	E	Min.	Standard	Max.							
1 room	20		2.83	3.00	-	-	-	-	0.9	3.0	3.5	490	1060	1330	5.1	4.8	4.6	
	25		2.98	3.40	-	-	-	-	0.9	3.4	4.0	490	1140	1400	5.4	5.2	5.0	
	35		3.33	4.50	-	-	-	-	0.9	4.5	4.8	490	1350	1570	6.3	6.1	5.8	
	50		3.60	5.80	-	-	-	-	0.9	5.8	6.2	490	1610	1770	7.4	7.1	6.8	
	60		3.78	6.80	-	-	-	-	0.9	6.8	7.1	490	1800	1920	8.3	7.9	7.6	
	71		3.94	8.00	-	-	-	-	0.9	8.0	8.1	490	2030	2110	9.3	8.9	8.5	
2 rooms	80		4.05	9.00	-	-	-	-	0.9	9.0	9.1	490	2220	2260	10.2	9.7	9.3	
	20+20		4.62	2.70	2.70	-	-	-	1.2	5.4	7.0	460	1170	1610	5.5	5.2	5.0	
	20+25		4.50	2.62	3.28	-	-	-	1.2	5.9	7.3	460	1310	1690	6.0	5.8	5.5	
	20+35		4.37	2.51	4.39	-	-	-	1.2	6.9	7.9	460	1580	1860	7.3	6.9	6.6	
	20+50		4.13	2.51	6.29	-	-	-	1.2	8.8	9.2	460	2130	2240	9.8	9.4	9.0	
	20+60		4.03	2.45	7.35	-	-	-	1.2	9.8	10.3	460	2430	2580	11.2	10.7	10.2	
	20+71	4.10	4.00	2.31	8.19	-	-	-	1.2	10.5	11.2	460	2620	2900	12.0	11.5	11.0	
	20+80	4.10	4.00	2.10	8.40	-	-	-	1.2	10.5	11.2	460	2620	2900	12.0	11.5	11.0	
	25+25		4.44	3.20	3.20	-	-	-	1.2	6.4	7.7	460	1440	1810	6.6	6.3	6.1	
	25+35		4.26	3.25	4.55	-	-	-	1.2	7.8	8.2	460	1830	1950	8.4	8.0	7.7	
	25+50		4.11	3.07	6.13	-	-	-	1.2	9.2	9.6	460	2240	2370	10.3	9.8	9.4	
	25+60		4.00	3.00	7.20	-	-	-	1.2	10.2	10.7	460	2550	2710	11.7	11.2	10.7	
	25+71	4.10	4.00	2.73	7.77	-	-	-	1.2	10.5	11.2	460	2620	2900	12.0	11.5	11.0	
	25+80	4.10	4.00	2.50	8.00	-	-	-	1.2	10.5	11.2	460	2620	2900	12.0	11.5	11.0	
	35+35		4.13	4.50	4.50	-	-	-	1.2	9.0	9.4	460	2180	2310	10.0	9.6	9.2	
	35+50		4.02	4.24	6.06	-	-	-	1.2	10.3	10.8	460	2560	2740	11.8	11.2	10.8	
	35+60	4.10	4.00	3.87	6.63	-	-	-	1.2	10.5	11.2	460	2620	2900	12.0	11.5	11.0	
	35+71	4.10	4.00	3.47	7.03	-	-	-	1.2	10.5	11.2	460	2620	2900	12.0	11.5	11.0	
	35+80	4.10	4.00	3.20	7.30	-	-	-	1.2	10.5	11.2	460	2620	2900	12.0	11.5	11.0	
	50+50	4.10	4.00	5.25	5.25	-	-	-	1.2	10.5	11.2	460	2620	2900	12.0	11.5	11.0	
	50+60	4.10	4.00	4.77	5.73	-	-	-	1.2	10.5	11.2	460	2620	2900	12.0	11.5	11.0	
	50+71	4.10	4.00	4.34	6.16	-	-	-	1.2	10.5	11.2	460	2620	2900	12.0	11.5	11.0	
	50+80	4.10	4.00	4.04	6.46	-	-	-	1.2	10.5	11.2	460	2620	2900	12.0	11.5	11.0	
	60+60	4.10	4.00	5.25	5.25	-	-	-	1.2	10.5	11.2	460	2620	2900	12.0	11.5	11.0	
	60+71	4.10	4.00	4.81	5.69	-	-	-	1.2	10.5	11.2	460	2620	2900	12.0	11.5	11.0	
	60+80	4.10	4.00	4.50	6.00	-	-	-	1.2	10.5	11.2	460	2620	2900	12.0	11.5	11.0	
	71+71	4.10	4.00	5.25	5.25	-	-	-	1.2	10.5	11.2	460	2620	2900	12.0	11.5	11.0	
71+80	4.10	4.00	4.94	5.56	-	-	-	1.2	10.5	11.2	460	2620	2900	12.0	11.5	11.0		
80+80	4.10	4.00	5.25	5.25	-	-	-	1.2	10.5	11.2	460	2620	2900	12.0	11.5	11.0		
3 rooms	20+20+20		4.21	3.00	3.00	3.00	-	-	1.4	9.0	9.6	430	2140	2320	9.8	9.4	9.0	
	20+20+25		4.16	2.89	2.89	3.62	-	-	1.4	9.4	10.0	430	2260	2440	10.4	9.9	9.5	
	20+20+35		4.13	2.80	2.80	4.90	-	-	1.4	10.5	11.3	430	2540	2900	11.7	11.2	10.7	
	20+20+50	4.20	4.13	2.33	2.33	5.83	-	-	1.4	10.5	11.3	430	2540	2900	11.7	11.2	10.7	
	20+20+60	4.20	4.13	2.10	2.10	6.30	-	-	1.4	10.5	11.3	430	2540	2900	11.7	11.2	10.7	
	20+20+71	4.20	4.13	1.89	1.89	6.72	-	-	1.4	10.5	11.3	430	2540	2900	11.7	11.2	10.7	
	20+20+80	4.20	4.13	1.75	1.75	7.00	-	-	1.4	10.5	11.3	430	2540	2900	11.7	11.2	10.7	
	20+25+25		4.13	3.00	3.75	3.75	-	-	1.4	10.5	11.3	430	2540	2900	11.7	11.2	10.7	
	20+25+35		4.13	2.63	3.28	4.59	-	-	1.4	10.5	11.3	430	2540	2900	11.7	11.2	10.7	
	20+25+50	4.20	4.13	2.21	2.76	5.53	-	-	1.4	10.5	11.3	430	2540	2900	11.7	11.2	10.7	
	20+25+60	4.20	4.13	2.00	2.50	6.00	-	-	1.4	10.5	11.3	430	2540	2900	11.7	11.2	10.7	
	20+35+35	4.20	4.13	2.33	4.08	4.08	-	-	1.4	10.5	11.3	430	2540	2900	11.7	11.2	10.7	
	20+35+50	4.20	4.13	2.00	3.50	5.00	-	-	1.4	10.5	11.3	430	2540	2900	11.7	11.2	10.7	
	20+35+60	4.20	4.13	1.83	3.20	5.48	-	-	1.4	10.5	11.3	430	2540	2900	11.7	11.2	10.7	
	20+35+71	4.20	4.13	1.67	2.92	5.92	-	-	1.4	10.5	11.3	430	2540	2900	11.7	11.2	10.7	
	20+35+80	4.20	4.13	1.56	2.72	6.22	-	-	1.4	10.5	11.3	430	2540	2900	11.7	11.2	10.7	
	20+50+50	4.20	4.13	1.75	4.38	4.38	-	-	1.4	10.5	11.3	430	2540	2900	11.7	11.2	10.7	
	20+50+60	4.20	4.13	1.62	4.04	4.85	-	-	1.4	10.5	11.3	430	2540	2900	11.7	11.2	10.7	
	20+50+71	4.20	4.13	1.49	3.72	5.29	-	-	1.4	10.5	11.3	430	2540	2900	11.7	11.2	10.7	
	20+50+80	4.20	4.13	1.40	3.50	5.60	-	-	1.4	10.5	11.3	430	2540	2900	11.7	11.2	10.7	
	20+60+60	4.20	4.13	1.50	4.50	4.50	-	-	1.4	10.5	11.3	430	2540	2900	11.7	11.2	10.7	
	20+60+71	4.20	4.13	1.39	4.17	4.94	-	-	1.4	10.5	11.3	430	2540	2900	11.7	11.2	10.7	
	20+60+80	4.20	4.13	1.31	3.94	5.25	-	-	1.4	10.5	11.3	430	2540	2900	11.7	11.2	10.7	
	25+25+25		4.13	3.50	3.50	3.50	-	-	1.4	10.5	11.3	430	2540	2900	11.7	11.2	10.7	
	25+25+35		4.13	3.09	3.09	4.32	-	-	1.4	10.5	11.3	430	2540	2900	11.7	11.2	10.7	
	25+25+50	4.20	4.13	2.63	2.63	5.25	-	-	1.4	10.5	11.3	430	2540	2900	11.7	11.2	10.7	
	25+25+60	4.20	4.13	2.39	2.39	5.73	-	-	1.4	10.5	11.3	430	2540	2900	11.7	11.2	10.7	
	25+25+71	4.20	4.13	2.17	2.17	6.16	-	-	1.4	10.5	11.3	430	2540	2900	11.7	11.2	10.7	
	25+25+80	4.20	4.13	2.02	2.02	6.46	-	-	1.4	10.5	11.3	430	2540	2900	11.7	11.2	10.7	
	25+35+35	4.20	4.13	2.76	3.87	3.87	-	-	1.4	10.5	11.3	430	2540	2900	11.7	11.2	10.7	
	25+35+50	4.20	4.13	2.39	3.34	4.77	-	-	1.4	10.5	11.3	430	2540	2900	11.7	11.2	10.7	
	25+35+60	4.20	4.13	2.19	3.06	5.25	-	-	1.4	10.5	11.3	430	2540	2900	11.7	11.2	10.7	
	25+35+71	4.20	4.13	2.00	2.81	5.69	-	-	1.4	10.5	11.3	430	2540	2900	11.7	11.2	10.7	
25+35+80	4.20	4.13	1.88	2.63	6.00	-	-	1.4	10.5	11.3	430	2540	2900	11.7	11.2	10.7		
25+50+50	4.20	4.13	2.10	4.20	4.20	-	-	1.4	10.5	11.3	430	2540	2900	11.7	11.2	10.7		
25+50+60	4.20	4.13	1.94	3.89	4.67	-	-	1.4	10.5	11.3	430	2540	2900	11.7	11.2	10.7		
25+50+71	4.20	4.13	1.80	3.60	5.11	-	-	1.4	10.5	11.3	430	2540	2900	11.7	11.2	10.7		
25+50+80	4.20	4.13	1.69	3.39	5.42	-	-	1.4	10.5	11.3								

# MULTISPLIT R32 COMBINATIONS

SCM 100 ZS-W

R32

HEATING		Energy performance coefficient	COP	Heating capacity (kW)									Absorption (W)			Rated current (A)		
				Capacity for each room (kW)					Total capacity (kW)				Min.	Standard	Max.	220V	230V	240V
				A	B	C	D	E	Min.	Standard	Max.							
3 rooms	25+60+60	4.20	4.13	1.81	4.34	4.34	-	-	1.4	10.5	11.3	430	2540	2900	11.7	11.2	10.7	
	25+60+71	4.20	4.13	1.68	4.04	4.78	-	-	1.4	10.5	11.3	430	2540	2900	11.7	11.2	10.7	
	35+35+35	4.20	4.13	3.50	3.50	3.50	-	-	1.4	10.5	11.3	430	2540	2900	11.7	11.2	10.7	
	35+35+50	4.20	4.13	3.06	3.06	4.38	-	-	1.4	10.5	11.3	430	2540	2900	11.7	11.2	10.7	
	35+35+60	4.20	4.13	2.83	2.83	4.85	-	-	1.4	10.5	11.3	430	2540	2900	11.7	11.2	10.7	
	35+35+71	4.20	4.13	2.61	2.61	5.29	-	-	1.4	10.5	11.3	430	2540	2900	11.7	11.2	10.7	
	35+35+80	4.20	4.13	2.45	2.45	5.60	-	-	1.4	10.5	11.3	430	2540	2900	11.7	11.2	10.7	
	35+50+50	4.20	4.13	2.72	3.89	3.89	-	-	1.4	10.5	11.3	430	2540	2900	11.7	11.2	10.7	
	35+50+60	4.20	4.13	2.53	3.62	4.34	-	-	1.4	10.5	11.3	430	2540	2900	11.7	11.2	10.7	
	35+50+71	4.20	4.13	2.36	3.37	4.78	-	-	1.4	10.5	11.3	430	2540	2900	11.7	11.2	10.7	
	35+60+60	4.20	4.13	2.37	4.06	4.06	-	-	1.4	10.5	11.3	430	2540	2900	11.7	11.2	10.7	
	50+50+50	4.20	4.13	3.50	3.50	3.50	-	-	1.4	10.5	11.3	430	2540	2900	11.7	11.2	10.7	
50+50+60	4.20	4.13	3.28	3.28	3.94	-	-	1.4	10.5	11.3	430	2540	2900	11.7	11.2	10.7		
4 rooms	20+20+20+20	4.27	4.27	2.63	2.63	2.63	2.63	-	1.6	10.5	11.4	400	2460	2900	11.3	10.8	10.4	
	20+20+20+25	4.40	4.27	2.47	2.47	2.47	3.09	-	1.6	10.5	11.4	400	2460	2900	11.3	10.8	10.4	
	20+20+20+35	4.40	4.27	2.21	2.21	2.21	3.87	-	1.6	10.5	11.4	400	2460	2900	11.3	10.8	10.4	
	20+20+20+50	4.40	4.27	1.91	1.91	1.91	4.77	-	1.6	10.5	11.4	400	2460	2900	11.3	10.8	10.4	
	20+20+20+60	4.40	4.27	1.75	1.75	1.75	5.25	-	1.6	10.5	11.4	400	2460	2900	11.3	10.8	10.4	
	20+20+20+71	4.40	4.27	1.60	1.60	1.60	5.69	-	1.6	10.5	11.4	400	2460	2900	11.3	10.8	10.4	
	20+20+20+80	4.40	4.27	1.50	1.50	1.50	6.00	-	1.6	10.5	11.4	400	2460	2900	11.3	10.8	10.4	
	20+20+25+25	4.40	4.27	2.33	2.33	2.92	2.92	-	1.6	10.5	11.4	400	2460	2900	11.3	10.8	10.4	
	20+20+25+35	4.40	4.27	2.10	2.10	2.63	3.68	-	1.6	10.5	11.4	400	2460	2900	11.3	10.8	10.4	
	20+20+25+50	4.40	4.27	1.83	1.83	2.28	4.57	-	1.6	10.5	11.4	400	2460	2900	11.3	10.8	10.4	
	20+20+25+60	4.40	4.27	1.68	1.68	2.10	5.04	-	1.6	10.5	11.4	400	2460	2900	11.3	10.8	10.4	
	20+20+25+71	4.40	4.27	1.54	1.54	1.93	5.48	-	1.6	10.5	11.4	400	2460	2900	11.3	10.8	10.4	
	20+20+25+80	4.40	4.27	1.45	1.45	1.81	5.79	-	1.6	10.5	11.4	400	2460	2900	11.3	10.8	10.4	
	20+20+35+35	4.40	4.27	1.91	1.91	3.34	3.34	-	1.6	10.5	11.4	400	2460	2900	11.3	10.8	10.4	
	20+20+35+50	4.40	4.27	1.68	1.68	2.94	4.20	-	1.6	10.5	11.4	400	2460	2900	11.3	10.8	10.4	
	20+20+35+60	4.40	4.27	1.56	1.56	2.72	4.67	-	1.6	10.5	11.4	400	2460	2900	11.3	10.8	10.4	
	20+20+35+71	4.40	4.27	1.44	1.44	2.52	5.11	-	1.6	10.5	11.4	400	2460	2900	11.3	10.8	10.4	
	20+20+35+80	4.40	4.27	1.35	1.35	2.37	5.42	-	1.6	10.5	11.4	400	2460	2900	11.3	10.8	10.4	
	20+20+50+50	4.40	4.27	1.50	1.50	3.75	3.75	-	1.6	10.5	11.4	400	2460	2900	11.3	10.8	10.4	
	20+20+50+60	4.40	4.27	1.40	1.40	3.50	4.20	-	1.6	10.5	11.4	400	2460	2900	11.3	10.8	10.4	
	20+20+60+60	4.40	4.27	1.31	1.31	3.94	3.94	-	1.6	10.5	11.4	400	2460	2900	11.3	10.8	10.4	
	20+25+25+25	4.40	4.27	2.21	2.76	2.76	2.76	-	1.6	10.5	11.4	400	2460	2900	11.3	10.8	10.4	
	20+25+25+35	4.40	4.27	2.00	2.50	2.50	3.50	-	1.6	10.5	11.4	400	2460	2900	11.3	10.8	10.4	
	20+25+25+50	4.40	4.27	1.75	2.19	2.19	4.38	-	1.6	10.5	11.4	400	2460	2900	11.3	10.8	10.4	
	20+25+25+60	4.40	4.27	1.62	2.02	2.02	4.85	-	1.6	10.5	11.4	400	2460	2900	11.3	10.8	10.4	
	20+25+25+71	4.40	4.27	1.49	1.86	1.86	5.29	-	1.6	10.5	11.4	400	2460	2900	11.3	10.8	10.4	
	20+25+25+80	4.40	4.27	1.40	1.75	1.75	5.60	-	1.6	10.5	11.4	400	2460	2900	11.3	10.8	10.4	
	20+25+35+35	4.40	4.27	1.83	2.28	3.20	3.20	-	1.6	10.5	11.4	400	2460	2900	11.3	10.8	10.4	
	20+25+35+50	4.40	4.27	1.62	2.02	2.83	4.04	-	1.6	10.5	11.4	400	2460	2900	11.3	10.8	10.4	
	20+25+35+60	4.40	4.27	1.50	1.88	2.63	4.50	-	1.6	10.5	11.4	400	2460	2900	11.3	10.8	10.4	
	20+25+35+71	4.40	4.27	1.39	1.74	2.43	4.94	-	1.6	10.5	11.4	400	2460	2900	11.3	10.8	10.4	
	20+25+35+80	4.40	4.27	1.31	1.64	2.30	5.25	-	1.6	10.5	11.4	400	2460	2900	11.3	10.8	10.4	
	20+25+50+50	4.40	4.27	1.45	1.81	3.62	3.62	-	1.6	10.5	11.4	400	2460	2900	11.3	10.8	10.4	
	20+25+50+60	4.40	4.27	1.35	1.69	3.39	4.06	-	1.6	10.5	11.4	400	2460	2900	11.3	10.8	10.4	
	20+35+35+35	4.40	4.27	1.68	2.94	2.94	2.94	-	1.6	10.5	11.4	400	2460	2900	11.3	10.8	10.4	
	20+35+35+50	4.40	4.27	1.50	2.63	2.63	3.75	-	1.6	10.5	11.4	400	2460	2900	11.3	10.8	10.4	
	20+35+35+60	4.40	4.27	1.40	2.45	2.45	4.20	-	1.6	10.5	11.4	400	2460	2900	11.3	10.8	10.4	
	20+35+50+50	4.40	4.27	1.35	2.37	3.39	3.39	-	1.6	10.5	11.4	400	2460	2900	11.3	10.8	10.4	
	25+25+25+25	4.40	4.27	2.63	2.63	2.63	2.63	-	1.6	10.5	11.4	400	2460	2900	11.3	10.8	10.4	
	25+25+25+35	4.40	4.27	2.39	2.39	2.39	3.34	-	1.6	10.5	11.4	400	2460	2900	11.3	10.8	10.4	
	25+25+25+50	4.40	4.27	2.10	2.10	2.10	4.20	-	1.6	10.5	11.4	400	2460	2900	11.3	10.8	10.4	
	25+25+25+60	4.40	4.27	1.94	1.94	1.94	4.67	-	1.6	10.5	11.4	400	2460	2900	11.3	10.8	10.4	
	25+25+25+71	4.40	4.27	1.80	1.80	1.80	5.11	-	1.6	10.5	11.4	400	2460	2900	11.3	10.8	10.4	
	25+25+25+80	4.40	4.27	1.69	1.69	1.69	5.42	-	1.6	10.5	11.4	400	2460	2900	11.3	10.8	10.4	
	25+25+35+35	4.40	4.27	2.19	2.19	3.06	3.06	-	1.6	10.5	11.4	400	2460	2900	11.3	10.8	10.4	
	25+25+35+50	4.40	4.27	1.94	1.94	2.72	3.89	-	1.6	10.5	11.4	400	2460	2900	11.3	10.8	10.4	
	25+25+35+60	4.40	4.27	1.81	1.81	2.53	4.34	-	1.6	10.5	11.4	400	2460	2900	11.3	10.8	10.4	
	25+25+35+71	4.40	4.27	1.68	1.68	2.36	4.78	-	1.6	10.5	11.4	400	2460	2900	11.3	10.8	10.4	
25+25+50+50	4.40	4.27	1.75	1.75	3.50	3.50	-	1.6	10.5	11.4	400	2460	2900	11.3	10.8	10.4		
25+25+50+60	4.40	4.27	1.64	1.64	3.28	3.94	-	1.6	10.5	11.4	400	2460	2900	11.3	10.8	10.4		
25+35+35+35	4.40	4.27	2.02	2.83	2.83	2.83	-	1.6	10.5	11.4	400	2460	2900	11.3	10.8	10.4		
25+35+35+50	4.40	4.27	1.81	2.53	2.53	3.62	-	1.6	10.5	11.4	400	2460	2900	11.3	10.8	10.4		
25+35+35+60	4.40	4.27	1.69	2.37	2.37	4.06	-	1.6	10.5	11.4	400	2460	2900	11.3	10.8	10.4		
25+35+50+50	4.40	4.27	1.64	2.30	3.28	3.28	-	1.6	10.5	11.4	400	2460	2900	11.3	10.8	10.4		
35+35+35+35	4.40	4.27	2.63	2.63	2.63	2.63	-	1.6	10.5									

# MULTISPLIT R32 COMBINATIONS

R32

SCM 100 ZS-W

HEATING		Energy performance coefficient	COP	Heating capacity (kW)									Absorption (W)			Rated current (A)		
				Capacity for each room (kW)					Total capacity (kW)				Min.	Standard	Max.	220V	230V	240V
Combined units		SCOP	A	B	C	D	E	Min.	Standard	Max.								
5 rooms	20+20+20+20+20	4.50	4.41	2.10	2.10	2.10	2.10	2.10	1.8	10.5	11.5	370	2380	2900	10.9	10.5	10.0	
	20+20+20+20+25	4.50	4.41	2.00	2.00	2.00	2.00	2.50	1.8	10.5	11.5	370	2380	2900	10.9	10.5	10.0	
	20+20+20+20+35	4.50	4.41	1.83	1.83	1.83	1.83	3.20	1.8	10.5	11.5	370	2380	2900	10.9	10.5	10.0	
	20+20+20+20+50	4.50	4.41	1.62	1.62	1.62	1.62	4.04	1.8	10.5	11.5	370	2380	2900	10.9	10.5	10.0	
	20+20+20+20+60	4.50	4.41	1.50	1.50	1.50	1.50	4.50	1.8	10.5	11.5	370	2380	2900	10.9	10.5	10.0	
	20+20+20+25+25	4.50	4.41	1.91	1.91	1.91	2.39	2.39	1.8	10.5	11.5	370	2380	2900	10.9	10.5	10.0	
	20+20+20+25+35	4.50	4.41	1.75	1.75	1.75	2.19	3.06	1.8	10.5	11.5	370	2380	2900	10.9	10.5	10.0	
	20+20+20+25+50	4.50	4.41	1.56	1.56	1.56	1.94	3.89	1.8	10.5	11.5	370	2380	2900	10.9	10.5	10.0	
	20+20+20+25+60	4.50	4.41	1.45	1.45	1.45	1.81	4.34	1.8	10.5	11.5	370	2380	2900	10.9	10.5	10.0	
	20+20+20+35+35	4.50	4.41	1.62	1.62	1.62	2.83	2.83	1.8	10.5	11.5	370	2380	2900	10.9	10.5	10.0	
	20+20+20+35+50	4.50	4.41	1.45	1.45	1.45	2.53	3.62	1.8	10.5	11.5	370	2380	2900	10.9	10.5	10.0	
	20+20+20+35+60	4.50	4.41	1.35	1.35	1.35	2.37	4.06	1.8	10.5	11.5	370	2380	2900	10.9	10.5	10.0	
	20+20+25+25+25	4.50	4.41	1.83	1.83	2.28	2.28	2.28	1.8	10.5	11.5	370	2380	2900	10.9	10.5	10.0	
	20+20+25+25+35	4.50	4.41	1.68	1.68	2.10	2.10	2.94	1.8	10.5	11.5	370	2380	2900	10.9	10.5	10.0	
	20+20+25+25+50	4.50	4.41	1.50	1.50	1.88	1.88	3.75	1.8	10.5	11.5	370	2380	2900	10.9	10.5	10.0	
	20+20+25+25+60	4.50	4.41	1.40	1.40	1.75	1.75	4.20	1.8	10.5	11.5	370	2380	2900	10.9	10.5	10.0	
	20+20+25+35+35	4.50	4.41	1.56	1.56	1.94	2.72	2.72	1.8	10.5	11.5	370	2380	2900	10.9	10.5	10.0	
	20+20+25+35+50	4.50	4.41	1.40	1.40	1.75	2.45	3.50	1.8	10.5	11.5	370	2380	2900	10.9	10.5	10.0	
	20+20+25+35+60	4.50	4.41	1.31	1.31	1.64	2.30	3.94	1.8	10.5	11.5	370	2380	2900	10.9	10.5	10.0	
	20+20+35+35+35	4.50	4.41	1.45	1.45	2.53	2.53	2.53	1.8	10.5	11.5	370	2380	2900	10.9	10.5	10.0	
	20+20+35+35+50	4.50	4.41	1.31	1.31	2.30	2.30	3.28	1.8	10.5	11.5	370	2380	2900	10.9	10.5	10.0	
	20+25+25+25+25	4.50	4.41	1.75	2.19	2.19	2.19	2.19	1.8	10.5	11.5	370	2380	2900	10.9	10.5	10.0	
	20+25+25+25+35	4.50	4.41	1.62	2.02	2.02	2.02	2.83	1.8	10.5	11.5	370	2380	2900	10.9	10.5	10.0	
	20+25+25+25+50	4.50	4.41	1.45	1.81	1.81	1.81	3.62	1.8	10.5	11.5	370	2380	2900	10.9	10.5	10.0	
	20+25+25+25+60	4.50	4.41	1.35	1.69	1.69	1.69	4.06	1.8	10.5	11.5	370	2380	2900	10.9	10.5	10.0	
	20+25+25+35+35	4.50	4.41	1.50	1.88	1.88	2.63	2.63	1.8	10.5	11.5	370	2380	2900	10.9	10.5	10.0	
	20+25+25+35+50	4.50	4.41	1.35	1.69	1.69	2.37	3.39	1.8	10.5	11.5	370	2380	2900	10.9	10.5	10.0	
	20+25+25+35+60	4.50	4.41	1.40	1.75	2.45	2.45	2.45	1.8	10.5	11.5	370	2380	2900	10.9	10.5	10.0	
	20+35+35+35+35	4.50	4.41	1.31	2.30	2.30	2.30	2.30	1.8	10.5	11.5	370	2380	2900	10.9	10.5	10.0	
	25+25+25+25+25	4.50	4.41	2.10	2.10	2.10	2.10	2.10	1.8	10.5	11.5	370	2380	2900	10.9	10.5	10.0	
	25+25+25+25+35	4.50	4.41	1.94	1.94	1.94	1.94	2.72	1.8	10.5	11.5	370	2380	2900	10.9	10.5	10.0	
	25+25+25+25+50	4.50	4.41	1.75	1.75	1.75	1.75	3.50	1.8	10.5	11.5	370	2380	2900	10.9	10.5	10.0	
25+25+25+25+60	4.50	4.41	1.64	1.64	1.64	1.64	3.94	1.8	10.5	11.5	370	2380	2900	10.9	10.5	10.0		
25+25+25+35+35	4.50	4.41	1.81	1.81	1.81	2.53	2.53	1.8	10.5	11.5	370	2380	2900	10.9	10.5	10.0		
25+25+25+35+50	4.50	4.41	1.64	1.64	1.64	2.30	3.28	1.8	10.5	11.5	370	2380	2900	10.9	10.5	10.0		
25+25+25+35+60	4.50	4.41	1.69	1.69	2.37	2.37	2.37	1.8	10.5	11.5	370	2380	2900	10.9	10.5	10.0		

SCOP = EU Regulation N. 206/2012 – Value measured in according to harmonized norm EN14825.  
 COP = Value measured in according to harmonized norm EN 14511.

# MULTISPLIT R32 COMBINATIONS

SCM 100 ZS-W

	COOLING Combined units	Energy performance coefficient SEER	EER	Cooling Capacity (kW)									Absorption (W)			Rated current (A)		
				Capacity for each room (kW)				Total capacity (kW)					Min.	Standard	Max.	220V	230V	240V
				A	B	C	D	E	Min.	Standard	Max.							
1 room	20		3.77	2.00	-	-	-	-	1.7	2.0	2.7	500	530	950	2.5	2.4	2.3	
	25		3.62	2.50	-	-	-	-	1.7	2.5	3.2	500	690	1008	3.3	3.1	3.0	
	35		3.47	3.50	-	-	-	-	1.7	3.5	3.7	500	1010	1340	4.8	4.6	4.4	
	50		3.36	5.00	-	-	-	-	1.7	5.0	5.8	500	1490	1730	6.9	6.6	6.3	
	60		3.31	6.00	-	-	-	-	1.7	6.0	6.7	500	1810	1990	8.3	8.0	7.6	
	71		3.27	7.10	-	-	-	-	1.7	7.1	7.2	500	2170	2270	10.1	9.6	9.2	
2 rooms	80		3.27	8.00	-	-	-	-	1.7	8.0	8.1	500	2450	2500	11.4	10.9	10.4	
	20+20		4.71	2.00	2.00	-	-	-	1.9	4.0	5.8	495	850	1430	4.0	3.8	3.7	
	20+25		4.46	2.00	2.50	-	-	-	1.9	4.5	6.1	495	1010	1540	4.7	4.5	4.3	
	20+35		4.14	2.00	3.50	-	-	-	1.9	5.5	6.6	495	1330	1720	6.2	5.9	5.7	
	20+50		3.72	2.00	5.00	-	-	-	1.9	7.0	7.7	495	1880	2170	8.6	8.2	7.9	
	20+60		3.48	2.00	6.00	-	-	-	1.9	8.0	8.8	495	2300	2690	10.7	10.2	9.8	
	20+71	6.60	3.19	2.00	7.10	-	-	-	1.9	9.1	10.0	495	2850	3420	13.2	12.6	12.1	
	20+80	6.60	2.90	2.00	8.00	-	-	-	1.9	10.0	10.3	495	3450	3650	16.0	15.3	14.7	
	25+25		4.27	2.50	2.50	-	-	-	1.9	5.0	6.5	495	1170	1690	5.4	5.2	5.0	
	25+35		3.75	2.50	3.50	-	-	-	1.9	6.0	6.8	495	1600	1800	7.4	7.1	6.8	
	25+50		3.61	2.50	5.00	-	-	-	1.9	7.5	8.4	495	2080	2490	9.6	9.2	8.8	
	25+60		3.23	2.50	6.00	-	-	-	1.9	8.5	9.4	495	2630	3020	12.2	11.7	11.2	
	25+71	6.60	3.06	2.50	7.10	-	-	-	1.9	9.6	10.2	495	3140	3570	14.6	13.9	13.4	
	25+80	6.60	2.90	2.38	7.62	-	-	-	1.9	10.0	10.3	495	3450	3650	16.0	15.3	14.7	
	35+35		3.72	3.50	3.50	-	-	-	1.9	7.0	7.7	495	1880	2170	8.6	8.2	7.9	
	35+50		3.23	3.50	5.00	-	-	-	1.9	8.5	9.4	495	2630	3020	12.2	11.7	11.2	
	35+60	6.60	3.08	3.50	6.00	-	-	-	1.9	9.5	10.2	495	3080	3570	14.3	13.7	13.1	
	35+71	6.60	2.90	3.30	6.70	-	-	-	1.9	10.0	10.3	495	3450	3650	16.0	15.3	14.7	
	35+80	6.60	2.90	3.04	6.96	-	-	-	1.9	10.0	10.3	495	3450	3650	16.0	15.3	14.7	
	50+50	6.60	2.90	5.00	5.00	-	-	-	1.9	10.0	10.3	495	3450	3650	16.0	15.3	14.7	
	50+60	6.60	2.90	4.55	5.45	-	-	-	1.9	10.0	10.3	495	3450	3650	16.0	15.3	14.7	
	50+71	6.60	2.90	4.13	5.87	-	-	-	1.9	10.0	10.3	495	3450	3650	16.0	15.3	14.7	
	50+80	6.60	2.90	3.85	6.15	-	-	-	1.9	10.0	10.3	495	3450	3650	16.0	15.3	14.7	
	60+60	6.60	2.90	5.00	5.00	-	-	-	1.9	10.0	10.3	495	3450	3650	16.0	15.3	14.7	
	60+71	6.60	2.90	4.58	5.42	-	-	-	1.9	10.0	10.3	495	3450	3650	16.0	15.3	14.7	
	60+80	6.60	2.90	4.29	5.71	-	-	-	1.9	10.0	10.3	495	3450	3650	16.0	15.3	14.7	
	71+71	6.60	2.90	5.00	5.00	-	-	-	1.9	10.0	10.3	495	3450	3650	16.0	15.3	14.7	
	71+80	6.60	2.90	4.70	5.30	-	-	-	1.9	10.0	10.3	495	3450	3650	16.0	15.3	14.7	
	80+80	6.60	2.90	5.00	5.00	-	-	-	1.9	10.0	10.3	495	3450	3650	16.0	15.3	14.7	
	3 rooms	20+20+20		4.20	2.00	2.00	2.00	-	-	2.1	6.0	7.4	490	1430	1930	6.6	6.3	6.1
20+20+25			4.06	2.00	2.00	2.50	-	-	2.1	6.5	7.7	490	1600	2050	7.4	7.1	6.8	
20+20+35			3.81	2.00	2.00	3.50	-	-	2.1	7.5	8.6	490	1970	2430	9.1	8.7	8.4	
20+20+50		7.30	3.45	2.00	2.00	5.00	-	-	2.1	9.0	9.6	490	2610	2920	12.1	11.6	11.1	
20+20+60		7.30	3.10	2.00	2.00	6.00	-	-	2.1	10.0	10.7	490	3230	3650	15.0	14.3	13.7	
20+20+71		7.30	3.10	1.80	1.80	6.40	-	-	2.1	10.0	10.7	490	3230	3650	15.0	14.3	13.7	
20+20+80		7.30	3.10	1.67	1.67	6.67	-	-	2.1	10.0	10.7	490	3230	3650	15.0	14.3	13.7	
20+25+25			3.93	2.00	2.50	2.50	-	-	2.1	7.0	8.0	490	1780	2170	8.2	7.8	7.5	
20+25+35			3.69	2.00	2.50	3.50	-	-	2.1	8.0	9.0	490	2170	2160	10.1	9.6	9.2	
20+25+50		7.30	3.31	2.00	2.50	5.00	-	-	2.1	9.5	10.3	490	2870	3340	13.3	12.7	12.2	
20+25+60		7.30	3.10	1.90	2.38	5.71	-	-	2.1	10.0	10.7	490	3230	3650	15.0	14.3	13.7	
20+35+35		7.30	3.45	2.00	3.50	3.50	-	-	2.1	9.0	9.6	490	2610	2920	12.1	11.6	11.1	
20+35+50		7.30	3.10	1.90	3.33	4.76	-	-	2.1	10.0	10.7	490	3230	3650	15.0	14.3	13.7	
20+35+60		7.30	3.10	1.74	3.04	5.22	-	-	2.1	10.0	10.7	490	3230	3650	15.0	14.3	13.7	
20+35+71		7.30	3.10	1.59	2.78	5.63	-	-	2.1	10.0	10.7	490	3230	3650	15.0	14.3	13.7	
20+35+80		7.30	3.10	1.48	2.59	5.93	-	-	2.1	10.0	10.7	490	3230	3650	15.0	14.3	13.7	
20+50+50		7.30	3.10	1.67	4.17	4.17	-	-	2.1	10.0	10.7	490	3230	3650	15.0	14.3	13.7	
20+50+60		7.30	3.10	1.54	3.85	4.62	-	-	2.1	10.0	10.7	490	3230	3650	15.0	14.3	13.7	
20+50+71		7.30	3.10	1.42	3.55	5.04	-	-	2.1	10.0	10.7	490	3230	3650	15.0	14.3	13.7	
20+50+80		7.30	3.10	1.33	3.33	5.33	-	-	2.1	10.0	10.7	490	3230	3650	15.0	14.3	13.7	
20+60+60		7.30	3.10	1.43	4.29	4.29	-	-	2.1	10.0	10.7	490	3230	3650	15.0	14.3	13.7	
20+60+71		7.30	3.10	1.32	3.97	4.70	-	-	2.1	10.0	10.7	490	3230	3650	15.0	14.3	13.7	
20+60+80		7.30	3.10	1.25	3.75	5.00	-	-	2.1	10.0	10.7	490	3230	3650	15.0	14.3	13.7	
25+25+25			3.81	2.50	2.50	2.50	-	-	2.1	7.5	8.6	490	1970	2430	9.1	8.7	8.4	
25+25+35			3.57	2.50	2.50	3.50	-	-	2.1	8.5	9.2	490	2380	2710	11.0	10.6	10.1	
25+25+50		7.30	3.10	2.50	2.50	5.00	-	-	2.1	10.0	10.7	490	3230	3650	15.0	14.3	13.7	
25+25+60		7.30	3.10	2.27	2.27	5.45	-	-	2.1	10.0	10.7	490	3230	3650	15.0	14.3	13.7	
25+25+71		7.30	3.10	2.07	2.07	5.87	-	-	2.1	10.0	10.7	490	3230	3650	15.0	14.3	13.7	
25+25+80		7.30	3.10	1.92	1.92	6.15	-	-	2.1	10.0	10.7	490	3230	3650	15.0	14.3	13.7	
25+35+35		7.30	3.31	2.50	3.50	3.50	-	-	2.1	9.5	10.3	490	2870	3340	13.3	12.7	12.2	
25+35+50		7.30	3.10	2.27	3.18	4.55	-	-	2.1	10.0	10.7	490	3230	3650	15.0	14.3	13.7	
25+35+60		7.30	3.10	2.08	2.92	5.00	-	-	2.1	10.0	10.7	490	3230	3650	15.0	14.3	13.7	
25+35+71		7.30	3.10	1.91	2.67	5.42	-	-	2.1	10.0	10.7	490	3230	3650	15.0	14.3	13.7	
25+35+80		7.30	3.10	1.79	2.50	5.71	-	-	2.1	10.0	10.7	490	3230	3650	15.0	14.3	13.7	
25+50+50		7.30	3.10	2.00	4.00	4.00	-	-	2.1	10.0	10.7	490	3230	3650	15.0	14.3	13.7	
25+50+60		7.30	3.10	1.85	3.70	4.44	-	-	2.1	10.0	10.7	490	3230	3650	15.0	14.3	13.7	
25+50+71		7.30	3.10	1.71	3.42	4.86	-	-	2.1	10.0	10.7	490	3230	3650	15.0	14.3	13.7	
25+50+80		7.30	3.10	1.61	3.23	5.16	-	-	2.1	10.0	10.7	490	3230	3650	15.0	14.3	13.7	

SEER = EU Regulation N. 206/2012 – Value measured in according to harmonized norm EN14825.  
EER = Value measured in according to harmonized norm EN 14511.

# MULTISPLIT R32 COMBINATIONS

SCM 100 ZS-W

R32

COOLING		Energy performance coefficient	EER	Cooling Capacity (kW)									Absorption (W)			Rated current (A)		
				Capacity for each room (kW)					Total capacity (kW)				Min.	Standard	Max.	220V	230V	240V
				A	B	C	D	E	Min.	Standard	Max.							
3 rooms	25+60+60	7.30	3.10	1.72	4.14	4.14	-	-	2.1	10.0	10.7	490	3230	3650	15.0	14.3	13.7	
	25+60+71	7.30	3.10	1.60	3.85	4.55	-	-	2.1	10.0	10.7	490	3230	3650	15.0	14.3	13.7	
	35+35+35	7.30	3.10	3.33	3.33	3.33	-	-	2.1	10.0	10.7	490	3230	3650	15.0	14.3	13.7	
	35+35+50	7.30	3.10	2.92	2.92	4.17	-	-	2.1	10.0	10.7	490	3230	3650	15.0	14.3	13.7	
	35+35+60	7.30	3.10	2.69	2.69	4.62	-	-	2.1	10.0	10.7	490	3230	3650	15.0	14.3	13.7	
	35+35+71	7.30	3.10	2.48	2.48	5.04	-	-	2.1	10.0	10.7	490	3230	3650	15.0	14.3	13.7	
	35+35+80	7.30	3.10	2.33	2.33	5.33	-	-	2.1	10.0	10.7	490	3230	3650	15.0	14.3	13.7	
	35+50+50	7.30	3.10	2.59	3.70	3.70	-	-	2.1	10.0	10.7	490	3230	3650	15.0	14.3	13.7	
	35+50+60	7.30	3.10	2.41	3.45	4.14	-	-	2.1	10.0	10.7	490	3230	3650	15.0	14.3	13.7	
	35+50+71	7.30	3.10	2.24	3.21	4.55	-	-	2.1	10.0	10.7	490	3230	3650	15.0	14.3	13.7	
	35+60+60	7.30	3.10	2.26	3.87	3.87	-	-	2.1	10.0	10.7	490	3230	3650	15.0	14.3	13.7	
	50+50+50	7.30	3.10	3.33	3.33	3.33	-	-	2.1	10.0	10.7	490	3230	3650	15.0	14.3	13.7	
50+50+60	7.30	3.10	3.13	3.13	3.75	-	-	2.1	10.0	10.7	490	3230	3650	15.0	14.3	13.7		
4 rooms	20+20+20+20		3.96	2.00	2.00	2.00	2.00	-	2.3	8.0	8.8	485	2020	2330	9.4	9.0	8.6	
	20+20+20+25		3.85	2.00	2.00	2.00	2.50	-	2.3	8.5	9.4	485	2210	2590	10.3	9.8	9.4	
	20+20+20+35	7.90	3.60	2.00	2.00	2.00	3.50	-	2.3	9.5	10.5	485	2640	3150	12.2	11.7	11.2	
	20+20+20+50	7.90	3.39	1.82	1.82	1.82	4.55	-	2.3	10.0	11.3	485	2950	3650	13.7	13.1	12.5	
	20+20+20+60	7.90	3.39	1.67	1.67	1.67	5.00	-	2.3	10.0	11.3	485	2950	3650	13.7	13.1	12.5	
	20+20+20+71	7.90	3.39	1.53	1.53	1.53	5.42	-	2.3	10.0	11.3	485	2950	3650	13.7	13.1	12.5	
	20+20+20+80	7.90	3.39	1.43	1.43	1.43	5.71	-	2.3	10.0	11.3	485	2950	3650	13.7	13.1	12.5	
	20+20+25+25	7.90	3.72	2.00	2.00	2.50	2.50	-	2.3	9.0	9.9	485	2420	2830	11.2	10.7	10.3	
	20+20+25+35	7.90	3.39	2.00	2.00	2.50	3.50	-	2.3	10.0	11.3	485	2950	3650	13.7	13.1	12.5	
	20+20+25+50	7.90	3.39	1.74	1.74	2.17	4.35	-	2.3	10.0	11.3	485	2950	3650	13.7	13.1	12.5	
	20+20+25+60	7.90	3.39	1.60	1.60	2.00	4.80	-	2.3	10.0	11.3	485	2950	3650	13.7	13.1	12.5	
	20+20+25+71	7.90	3.39	1.47	1.47	1.84	5.22	-	2.3	10.0	11.3	485	2950	3650	13.7	13.1	12.5	
	20+20+25+80	7.90	3.39	1.38	1.38	1.72	5.52	-	2.3	10.0	11.3	485	2950	3650	13.7	13.1	12.5	
	20+20+35+35	7.90	3.39	1.82	1.82	3.18	3.18	-	2.3	10.0	11.3	485	2950	3650	13.7	13.1	12.5	
	20+20+35+50	7.90	3.39	1.60	1.60	2.80	4.00	-	2.3	10.0	11.3	485	2950	3650	13.7	13.1	12.5	
	20+20+35+60	7.90	3.39	1.48	1.48	2.59	4.44	-	2.3	10.0	11.3	485	2950	3650	13.7	13.1	12.5	
	20+20+35+71	7.90	3.39	1.37	1.37	2.40	4.86	-	2.3	10.0	11.3	485	2950	3650	13.7	13.1	12.5	
	20+20+35+80	7.90	3.39	1.29	1.29	2.26	5.16	-	2.3	10.0	11.3	485	2950	3650	13.7	13.1	12.5	
	20+20+50+50	7.90	3.39	1.43	1.43	3.57	3.57	-	2.3	10.0	11.3	485	2950	3650	13.7	13.1	12.5	
	20+20+50+60	7.90	3.39	1.33	1.33	3.33	4.00	-	2.3	10.0	11.3	485	2950	3650	13.7	13.1	12.5	
	20+20+60+60	7.90	3.39	1.25	1.25	3.75	3.75	-	2.3	10.0	11.3	485	2950	3650	13.7	13.1	12.5	
	20+25+25+25	7.90	3.60	2.00	2.50	2.50	2.50	-	2.3	9.5	10.5	485	2640	3150	12.2	11.7	11.2	
	20+25+25+35	7.90	3.39	1.90	2.38	2.38	3.33	-	2.3	10.0	11.1	485	2950	3650	13.7	13.1	12.5	
	20+25+25+50	7.90	3.39	1.67	2.08	2.08	4.17	-	2.3	10.0	11.1	485	2950	3650	13.7	13.1	12.5	
	20+25+25+60	7.90	3.39	1.54	1.92	1.92	4.62	-	2.3	10.0	11.1	485	2950	3650	13.7	13.1	12.5	
	20+25+25+71	7.90	3.39	1.42	1.77	1.77	5.04	-	2.3	10.0	11.1	485	2950	3650	13.7	13.1	12.5	
	20+25+25+80	7.90	3.39	1.33	1.67	1.67	5.33	-	2.3	10.0	11.1	485	2950	3650	13.7	13.1	12.5	
	20+25+35+35	7.90	3.39	1.74	2.17	3.04	3.04	-	2.3	10.0	11.1	485	2950	3650	13.7	13.1	12.5	
	20+25+35+50	7.90	3.39	1.54	1.92	2.69	3.85	-	2.3	10.0	11.1	485	2950	3650	13.7	13.1	12.5	
	20+25+35+60	7.90	3.39	1.43	1.79	2.50	4.29	-	2.3	10.0	11.1	485	2950	3650	13.7	13.1	12.5	
	20+25+35+71	7.90	3.39	1.32	1.66	2.32	4.70	-	2.3	10.0	11.1	485	2950	3650	13.7	13.1	12.5	
	20+25+35+80	7.90	3.39	1.25	1.56	2.19	5.00	-	2.3	10.0	11.1	485	2950	3650	13.7	13.1	12.5	
	20+25+50+50	7.90	3.39	1.38	1.72	3.45	3.45	-	2.3	10.0	11.1	485	2950	3650	13.7	13.1	12.5	
	20+25+50+60	7.90	3.39	1.29	1.61	3.23	3.87	-	2.3	10.0	11.1	485	2950	3650	13.7	13.1	12.5	
	20+35+35+35	7.90	3.39	1.60	2.80	2.80	2.80	-	2.3	10.0	11.1	485	2950	3650	13.7	13.1	12.5	
	20+35+35+50	7.90	3.39	1.43	2.50	2.50	3.57	-	2.3	10.0	11.1	485	2950	3650	13.7	13.1	12.5	
	20+35+35+60	7.90	3.39	1.33	2.33	2.33	4.00	-	2.3	10.0	11.1	485	2950	3650	13.7	13.1	12.5	
	20+35+50+50	7.90	3.39	1.29	2.26	3.23	3.23	-	2.3	10.0	11.1	485	2950	3650	13.7	13.1	12.5	
	25+25+25+25	7.90	3.39	2.50	2.50	2.50	2.50	-	2.3	10.0	11.1	485	2950	3650	13.7	13.1	12.5	
	25+25+25+35	7.90	3.39	2.27	2.27	2.27	3.18	-	2.3	10.0	11.1	485	2950	3650	13.7	13.1	12.5	
	25+25+25+50	7.90	3.39	2.00	2.00	2.00	4.00	-	2.3	10.0	11.1	485	2950	3650	13.7	13.1	12.5	
	25+25+25+60	7.90	3.39	1.85	1.85	1.85	4.44	-	2.3	10.0	11.1	485	2950	3650	13.7	13.1	12.5	
	25+25+25+71	7.90	3.39	1.71	1.71	1.71	4.86	-	2.3	10.0	11.1	485	2950	3650	13.7	13.1	12.5	
	25+25+25+80	7.90	3.39	1.61	1.61	1.61	5.16	-	2.3	10.0	11.1	485	2950	3650	13.7	13.1	12.5	
	25+25+35+35	7.90	3.39	2.08	2.08	2.92	2.92	-	2.3	10.0	11.1	485	2950	3650	13.7	13.1	12.5	
25+25+35+50	7.90	3.39	1.85	1.85	2.59	3.70	-	2.3	10.0	11.1	485	2950	3650	13.7	13.1	12.5		
25+25+35+60	7.90	3.39	1.72	1.72	2.41	4.14	-	2.3	10.0	11.1	485	2950	3650	13.7	13.1	12.5		
25+25+35+71	7.90	3.39	1.60	1.60	2.24	4.55	-	2.3	10.0	11.1	485	2950	3650	13.7	13.1	12.5		
25+25+50+50	7.90	3.39	1.67	1.67	3.33	3.33	-	2.3	10.0	11.1	485	2950	3650	13.7	13.1	12.5		
25+25+50+60	7.90	3.39	1.56	1.56	3.13	3.75	-	2.3	10.0	11.1	485	2950	3650	13.7	13.1	12.5		
25+35+35+35	7.90	3.39	1.92	2.69	2.69	2.69	-	2.3	10.0	11.1	485	2950	3650	13.7	13.1	12.5		
25+35+35+50	7.90	3.39	1.72	2.41	2.41	3.45	-	2.3	10.0	11.1	485	2950	3650	13.7	13.1	12.5		
25+35+35+60	7.90	3.39	1.61	2.26	2.26	3.87	-	2.3	10.0	11.1	485	2950	3650	13.7	13.1	12.5		
25+35+50+50	7.90	3.39	1.56	2.19	3.13	3.13	-	2.3	10.0	11.1	485	2950	3650	13.7	13.1	12.5		
35+35+35+35	7.90	3.39	2.50	2.50	2.50	2.50	-	2.3	10.0	11.1	485							



# MULTISPLIT R32 COMBINATIONS

R32

SCM 100 ZS-W

COOLING		Energy performance coefficient SEER	EER	Cooling Capacity (kW)									Absorption (W)			Rated current (A)		
				Capacity for each room (kW)					Total capacity (kW)				Min.	Standard	Max.	220V	230V	240V
				A	B	C	D	E	Min.	Standard	Max.							
5 rooms	20+20+20+20+20	8.60	3.70	2.00	2.00	2.00	2.00	2.00	2.5	10.0	11.5	480	2700	3650	12.4	11.9	11.4	
	20+20+20+20+25	8.60	3.70	1.90	1.90	1.90	1.90	2.38	2.5	10.0	11.5	480	2700	3650	12.4	11.9	11.4	
	20+20+20+20+35	8.60	3.70	1.74	1.74	1.74	1.74	3.04	2.5	10.0	11.5	480	2700	3650	12.4	11.9	11.4	
	20+20+20+20+50	8.60	3.70	1.54	1.54	1.54	1.54	3.85	2.5	10.0	11.5	480	2700	3650	12.4	11.9	11.4	
	20+20+20+20+60	8.60	3.70	1.43	1.43	1.43	1.43	4.29	2.5	10.0	11.5	480	2700	3650	12.4	11.9	11.4	
	20+20+20+25+25	8.60	3.70	1.82	1.82	1.82	2.27	2.27	2.5	10.0	11.5	480	2700	3650	12.4	11.9	11.4	
	20+20+20+25+35	8.60	3.70	1.67	1.67	1.67	2.08	2.92	2.5	10.0	11.5	480	2700	3650	12.4	11.9	11.4	
	20+20+20+25+50	8.60	3.70	1.48	1.48	1.48	1.85	3.70	2.5	10.0	11.5	480	2700	3650	12.4	11.9	11.4	
	20+20+20+25+60	8.60	3.70	1.38	1.38	1.38	1.72	4.14	2.5	10.0	11.5	480	2700	3650	12.4	11.9	11.4	
	20+20+20+35+35	8.60	3.70	1.54	1.54	1.54	2.69	2.69	2.5	10.0	11.5	480	2700	3650	12.4	11.9	11.4	
	20+20+20+35+50	8.60	3.70	1.38	1.38	1.38	2.41	3.45	2.5	10.0	11.5	480	2700	3650	12.4	11.9	11.4	
	20+20+20+35+60	8.60	3.70	1.29	1.29	1.29	2.26	3.87	2.5	10.0	11.5	480	2700	3650	12.4	11.9	11.4	
	20+20+25+25+25	8.60	3.70	1.74	1.74	2.17	2.17	2.17	2.5	10.0	11.5	480	2700	3650	12.4	11.9	11.4	
	20+20+25+25+35	8.60	3.70	1.60	1.60	2.00	2.00	2.80	2.5	10.0	11.5	480	2700	3650	12.4	11.9	11.4	
	20+20+25+25+50	8.60	3.70	1.43	1.43	1.79	1.79	3.57	2.5	10.0	11.5	480	2700	3650	12.4	11.9	11.4	
	20+20+25+25+60	8.60	3.70	1.33	1.33	1.67	1.67	4.00	2.5	10.0	11.5	480	2700	3650	12.4	11.9	11.4	
	20+20+25+35+35	8.60	3.70	1.48	1.48	1.85	2.59	2.59	2.5	10.0	11.5	480	2700	3650	12.4	11.9	11.4	
	20+20+25+35+50	8.60	3.70	1.33	1.33	1.67	2.33	3.33	2.5	10.0	11.5	480	2700	3650	12.4	11.9	11.4	
	20+20+25+35+60	8.60	3.70	1.25	1.25	1.56	2.19	3.75	2.5	10.0	11.5	480	2700	3650	12.4	11.9	11.4	
	20+20+35+35+35	8.60	3.70	1.38	1.38	2.41	2.41	2.41	2.5	10.0	11.5	480	2700	3650	12.4	11.9	11.4	
	20+20+35+35+50	8.60	3.70	1.25	1.25	2.19	2.19	3.13	2.5	10.0	11.5	480	2700	3650	12.4	11.9	11.4	
	20+25+25+25+25	8.60	3.70	1.67	2.08	2.08	2.08	2.08	2.5	10.0	11.5	480	2700	3650	12.4	11.9	11.4	
	20+25+25+25+35	8.60	3.70	1.54	1.92	1.92	1.92	2.69	2.5	10.0	11.5	480	2700	3650	12.4	11.9	11.4	
	20+25+25+25+50	8.60	3.70	1.38	1.72	1.72	1.72	3.45	2.5	10.0	11.5	480	2700	3650	12.4	11.9	11.4	
	20+25+25+25+60	8.60	3.70	1.29	1.61	1.61	1.61	3.87	2.5	10.0	11.5	480	2700	3650	12.4	11.9	11.4	
	20+25+25+35+35	8.60	3.70	1.43	1.79	1.79	2.50	2.50	2.5	10.0	11.5	480	2700	3650	12.4	11.9	11.4	
	20+25+25+35+50	8.60	3.70	1.29	1.61	1.61	2.26	3.23	2.5	10.0	11.5	480	2700	3650	12.4	11.9	11.4	
	20+25+25+35+60	8.60	3.70	1.33	1.67	2.33	2.33	2.33	2.5	10.0	11.5	480	2700	3650	12.4	11.9	11.4	
	20+35+35+35+35	8.60	3.70	1.25	2.19	2.19	2.19	2.19	2.5	10.0	11.5	480	2700	3650	12.4	11.9	11.4	
	25+25+25+25+25	8.60	3.70	2.00	2.00	2.00	2.00	2.00	2.5	10.0	11.5	480	2700	3650	12.4	11.9	11.4	
	25+25+25+25+35	8.60	3.70	1.85	1.85	1.85	1.85	2.59	2.5	10.0	11.5	480	2700	3650	12.4	11.9	11.4	
	25+25+25+25+50	8.60	3.70	1.67	1.67	1.67	1.67	3.33	2.5	10.0	11.5	480	2700	3650	12.4	11.9	11.4	
25+25+25+25+60	8.60	3.70	1.56	1.56	1.56	1.56	3.75	2.5	10.0	11.5	480	2700	3650	12.4	11.9	11.4		
25+25+25+35+35	8.60	3.70	1.72	1.72	1.72	2.41	2.41	2.5	10.0	11.5	480	2700	3650	12.4	11.9	11.4		
25+25+25+35+50	8.60	3.70	1.56	1.56	1.56	2.19	3.13	2.5	10.0	11.5	480	2700	3650	12.4	11.9	11.4		
25+25+25+35+60	8.60	3.70	1.61	1.61	2.26	2.26	2.26	2.5	10.0	11.5	480	2700	3650	12.4	11.9	11.4		

SEER = EU Regulation N. 206/2012 – Value measured in according to harmonized norm EN14825.  
EER = Value measured in according to harmonized norm EN 14511.



As a result of the ongoing technological evolution of products, we reserve the right to change the technical specifications in this catalogue at any time and without notice. The products shown are only illustrative of the types of applications. The data is measured under the following conditions (ISO-T1). Cooling: indoor temperature 27° C D.B., 19° C W.B. and outdoor temperature 35° C D.B.; Heating: indoor temperature 20° C D.B., outdoor temperature 7° C D.B., 6° C W.B. Energy efficiency values refer to measurements carried out following harmonised standard EN 14511:3.





**TERMAL srl**



Via della Salute 14 | 40132 Bologna | Italia  
tel. +39 051 41 33 111 | fax +39 051 41 33 112  
info@termal.it | [www.termal.it](http://www.termal.it)

[www.mitsubishi-termal.it](http://www.mitsubishi-termal.it)