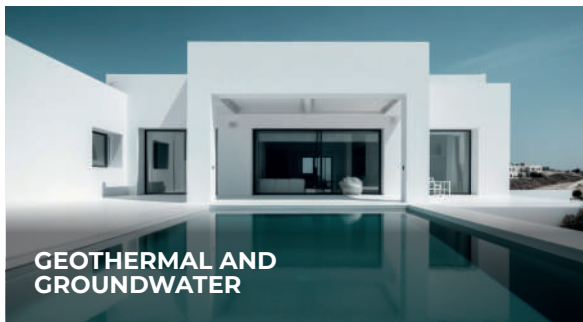


WE ARE INVISIBLE

# A WIDE RANGE OF SOLUTIONS FOR YOUR PROJECTS





**4 COMPANY**

**8 CASE HISTORIES**

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- 65 Ventilation Units for Hydronic Systems Water/Water and Air/Water
- 73 VRF Systems

# THE IDEAL PARTNER FOR SUCCESSFUL PROJECTS

Parkair is a 100% **Italian company with over 40 years of experience** in air treatment and air conditioning. Thanks to its wide range of products, it is able to provide high-quality and reliable solutions for every energy need, without relying on invasive external units. It operates throughout the national territory through a dense network of installers and resellers, ready to offer targeted consultancy to identify the best energy solution for the customer. Parkair is always by its customers' side.



**+40 YEARS OF EXPERIENCE**

## OUR QUALITY AND EXPERIENCE AT YOUR SERVICE



100% ITALIAN DESIGN



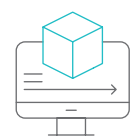
OVER 40 YEARS OF EXPERIENCE



CONTINUOUS RESEARCH AND INNOVATION



RESPONSIBILITY AND RELIABILITY



SUPPORT IN PROJECT DESIGN



SUSTAINABILITY AND ENVIRONMENTAL RESPECT



PHONE AND ON-SITE ASSISTANCE



UP TO 10 YEARS WARRANTY WITH PARKAIR WECARE



DOCUMENTATION INCENTIVES



GUARANTEED SPARE PARTS

# THE ATTENTION TO DETAIL OF A CRAFTSMAN COMPANY

Parkair, an Italian company founded in the 1980s, established itself in the sector as a leading company by creating **high-quality** and **reliable products**.

**It entered the air conditioning sector in 2001**, focusing particularly on the design and production of systems without external units, using water condensation and low energy consumption.

In a short time, it developed a wide range of products, unique and reliable, and established itself as a **successful leader** in its market.

## CONTINUOUS TECHNOLOGICAL RESEARCH

Parkair constantly follows technological evolution, continuously updating the design and production of its products to ensure they are modern and aligned with the new market demands, both for historical buildings and for more modern and innovative structures from an architectural standpoint.



## ENVIRONMENTAL RESPECT

Parkair products use only the **eco-friendly gases R32, R290, and R454C**, in line with the guidelines of the European Community.

### CERTIFICATIONS





# PARKAIR SHOWROOM & TRAINING CENTER

All installers selected by Parkair are provided with continuous training and updates, both to learn the technical characteristics of Parkair products in detail and to discuss solutions with other colleagues in order to respond effectively to customers.

At the Milan headquarters, a welcoming showroom has also been organized where both installers and partners can view the products up close and present them more effectively to interested customers.



# BECOME OUR PARTNER

Parkair aims to strengthen its network both nationally and internationally by selecting installers and sales partners. It guarantees several quotation requests per month for all installers.

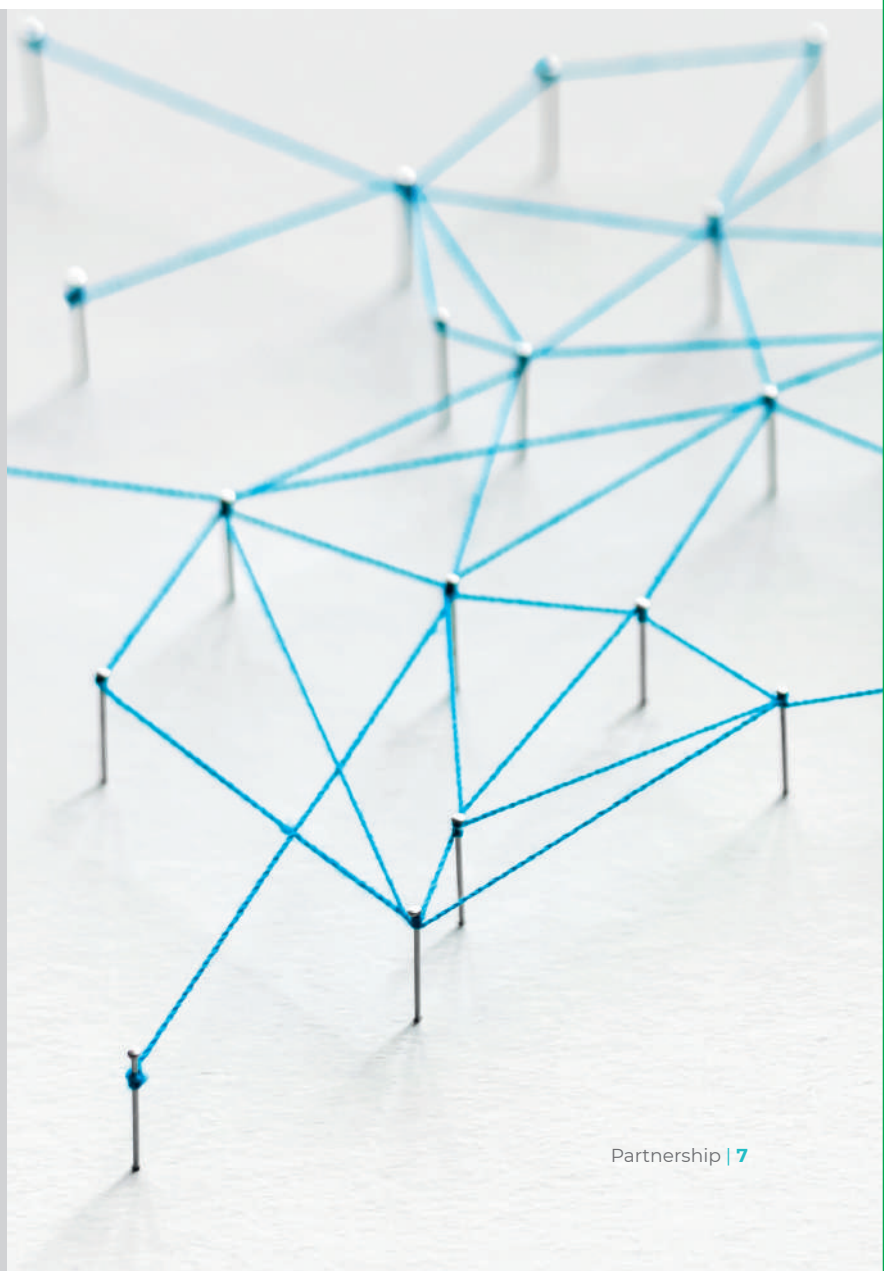
**Apply now!**

**CALL THE NUMBER** +39 02 48400742

## A DENSE COMMERCIAL NETWORK

Its network of qualified installers, present across the national and international territory, allows for the verification and identification of the most efficient solutions in every local context.

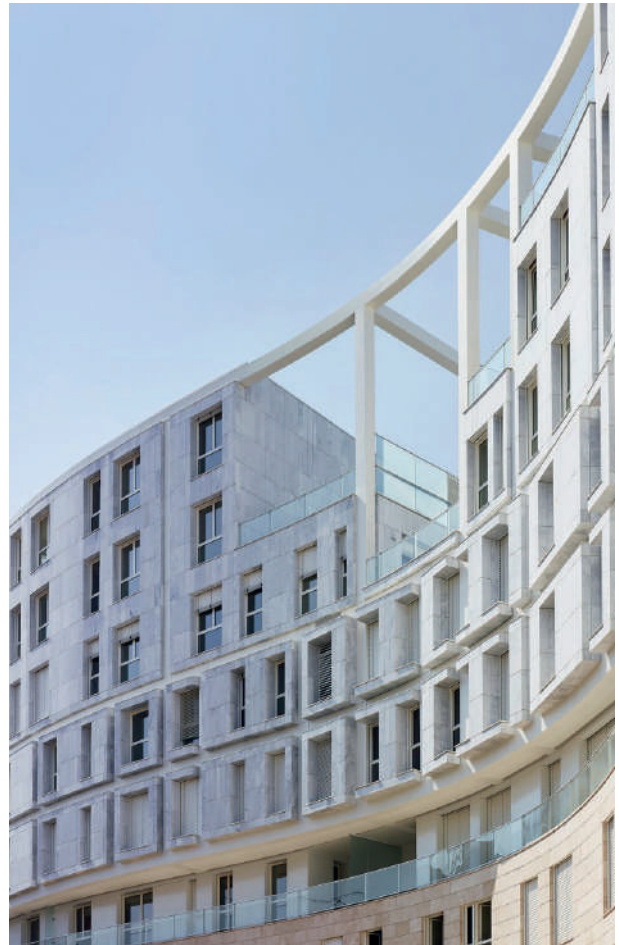
**+500**  
POINTS OF SALE  
IN ITALY



# SUCCESS STORIES\* /RESIDENTIAL

## Residenza Carlo Erba | Milan

For the Residenza Carlo Erba, a Milanese architectural gem designed by Degli Esposti Architetti, we developed a custom air conditioning solution that combines innovation with respect for artistic heritage. Our Water/Air systems without external units, combined with ductable ventilation units, integrate perfectly with the elegance of the spaces, preserving the aesthetic integrity of the building, which is protected by cultural heritage authorities. This invisible installation, equipped with multi-zone control, ensures personalized comfort in every room, demonstrating our commitment to offering advanced technologies that meet the visions of the most innovative designers.



\*The references to brands and commercial names are for informational purposes only and indicate projects for which our products were selected. All trademarks and commercial names belong to their respective owners, and their use here does not imply endorsement or sponsorship.





# SUCCESS STORIES\* /COMMERCIAL



## Lego | Brescia

For the LEGO store in Brescia, we implemented a Water/Air air conditioning system without an external unit, integrating it with ductable ventilation for invisible and efficient comfort. This solution optimizes the sales space, ensuring an ideal environment for customers without compromising the store's playful and colorful design.



## Poldo Dog Couture | Milan

For POLDHAUS, the innovative eco-sustainable showroom presented during the 2019 Salone del Mobile, Parkair provided a high-efficiency heating and cooling system with low energy consumption. A perfect solution to enhance the 20 sqm space dedicated to the Poldo Dog Couture collection, in a 100% green project.



### Montblanc | Milan

For the Montblanc store in Milan, we supplied a Water/Air system without an external unit, with ductable ventilation, for a completely invisible installation that respects the prestigious aesthetic of the store. Our solution, ideal for refined spaces, guarantees advanced climate comfort without impacting the visual or architectural environment.



### Hermès | Milan

In the heart of Milan's fashion district, the flagship Hermès store on Via Montenapoleone has been enhanced with our advanced invisible air conditioning system. This installation combines comfort and aesthetics, integrating seamlessly with the store's elegance and reflecting innovation and style in the prestigious fashion quadrilateral.

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# SUCCESS STORIES\* /HOSPITALITY



## Hotels Des Alpes | Chamonix

For the Hotel Des Alpes in Chamonix, we implemented our Water/Air Monobloc systems, the ideal solution to preserve the historical elegance of the interiors and the external facade without compromises. These systems offer excellent performance, regardless of the harsh winter conditions in Chamonix, ensuring optimal comfort and respecting the prestigious architecture.



### Locanda Pandenus | Milan

For the Locanda Pandenus in Brera, we selected Water/Air Monosplit systems with ductable ventilation, offering an invisible climate solution that respects the interior aesthetics and the historical integrity of the building. This is an ideal choice for protected environments, ensuring comfort without compromising style or architectural appearance.



### G-Shock | Milan

Parkair equipped the G-Shock store in Milan with a Water/Air system without an external unit, combined with ductable ventilation for invisible air conditioning. This advanced solution enhances the innovative sales space, ensuring a comfortable environment that respects the dynamic identity of the brand without altering the store's urban aesthetic.

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# SUCCESS STORIES\* /SERVER ROOM

## Torre Allianz | Milan

In the prestigious Torre Allianz in Milan, we provided water-cooled units, integrating them with the existing evaporative tower and geothermal system. This innovative solution for the server rooms on each floor guarantees energy efficiency

and minimal visual impact, respecting the avant-garde architecture. The collaboration with CEFLA Engineering allowed for the creation of a tailor-made air conditioning system, an example of sustainable technology and excellent performance.

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# Solutions

PARKAIR





AIR CONDITIONING SYSTEMS  
WITHOUT EXTERNAL UNIT 18

INVISIBLE AIR CONDITIONING 20

WATER LOOP SYSTEMS  
FOR RESIDENTIAL AND  
COMMERCIAL BUILDINGS 22

GEOHERMAL AND  
GROUNDWATER  
HEAT PUMP 24





AIR CONDITIONING SYSTEMS

# Without External Unit

COOLING AND HEATING?  
IT'S POSSIBLE WITHOUT AN EXTERNAL UNIT

Parkair's solutions without an external unit are ideal for homes and commercial activities with installation restrictions. Perfect for condominiums with aesthetic constraints, historic buildings, or structures without outdoor spaces, these solutions integrate discreetly thanks to their compact dimensions, offering an effective alternative to traditional air conditioners.

Our Water/Air product line, MCW 2.0, works without external units, requiring only water connections for installation, while the Air/Air models from the MCA 2.0 range need facade openings for heat exchange.

## **PRESERVED AESTHETICS**

Internal installation that maintains the architectural appearance of buildings.

## **SILENCE**

Reduction of external noise, improving environmental comfort.

## **ENERGY EFFICIENCY**

Advanced technology for more economical and eco-friendly operation.

## **SUSTAINABILITY**

Use of eco-friendly refrigerants and reduced emissions thanks to inverter technology.





CONDITIONING

# Invisible Air

## INNOVATION AND DISCRETION: OUR INVISIBLE AIR CONDITIONING SOLUTIONS

In the air conditioning sector, our discreet solutions integrate perfectly into the environment, overcoming challenges related to aesthetics, space, and regulations. The MCA 2.0 range allows internal installations with ducting to the exterior, and built-in external options that preserve the aesthetics of the buildings. These systems, whether partially or completely hidden, are ideal for those who prefer not to use outdoor space and are perfect for contexts where external units are limited or when the appearance of balconies and terraces must be maintained.

We offer single and multi-split solutions suitable for both residential and commercial spaces, combining efficiency and comfort with innovative design, minimizing visual impact. With our "INVISIBLE" air conditioning, we ensure a perfect balance between functionality and aesthetics, maintaining the visual integrity of the environment.

### **ARCHITECTURAL DISCRETION**

The units integrate perfectly into buildings, preserving the original appearance and respecting the aesthetics of the context.

### **FLEXIBILITY IN INSTALLATION**

Both internal and external built-in installation options, overcoming architectural and regulatory constraints.

### **EFFICIENCY AND SUSTAINABILITY**

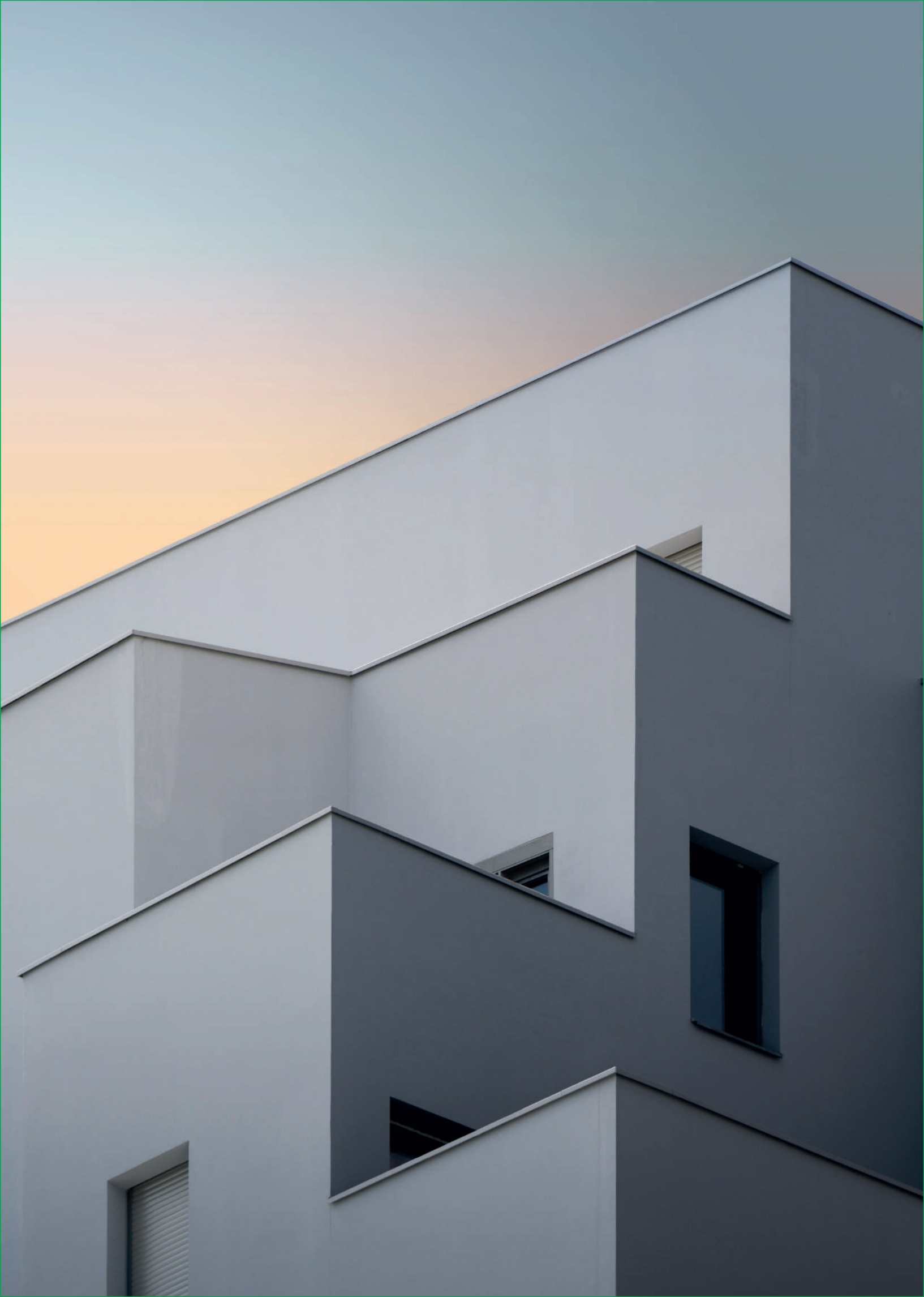
Use of R32 gas for highly energy efficient air conditioning with reduced environmental impact.

### **VERSATILE USAGE**

Minimal visual impact, ideal for sensitive environments such as historical centers or condominiums.

### **MINIMAL VISUAL IMPACT**

Invisible installations, combined with advanced functionality, respect the environment and the architectural integrity of spaces.





# Water Loop Systems

FOR RESIDENTIAL AND COMMERCIAL BUILDINGS

SIMPLICITY, FLEXIBILITY OF USE,  
AND ENERGY EFFICIENCY

The MCW 2.0 range revolutionizes heating and cooling with the AiROCK Monobloc Water Air Conditioner, which, when paired with the Water Loop Heat Pump (WLHP) system, allows for the renovation of buildings without invasive modifications. Using water at neutral temperature (20-30 °C), it prevents condensation on non-insulated pipes and optimizes the temperature for each room, reducing consumption and increasing efficiency through renewable energy. For shopping centers, the MCWD Ductable Monobloc paired with WLHP optimizes indoor climate throughout the year, effectively distributing heat and cold in large spaces. This solution ensures flexible temperature management, constant comfort, and superior energy efficiency.

## **USE OF RENEWABLE ENERGY**

Reduces environmental impact and CO2 emissions.

## **LOW-TEMPERATURE WATER CIRCULATION**

Increases energy efficiency and safety.

## **SIMULTANEOUS HEATING AND COOLING FUNCTIONS**

Versatility and optimal comfort in all seasons.

## **TOTAL ENERGY RECOVERY**

Maximizes efficiency by reducing energy waste.

This technology not only improves efficiency and comfort but also integrates perfectly into existing contexts, providing an ideal solution for modernizing systems without invasive structural interventions.





# Geothermal

## AND GROUNDWATER HEAT PUMP

### GEOHERMAL ENERGY: HARNESSING THE EARTH'S HEAT

Beneath the Earth's surface, geothermal energy offers efficient heating and cooling thanks to the constant temperature of the ground. By using Parkair's WHP3 Hydronic Heat Pumps in combination with a geothermal system, thermal processes are optimized. Geothermal probes capture this renewable energy, and groundwater contributes to heat transfer, minimizing environmental impact and maximizing energy efficiency.

The benefits include access to constant renewable energy, a comfortably regulated environment year-round, continuous availability of hot water, and significant reductions in energy costs.

#### **FREE AND RENEWABLE HEAT SOURCE**

The WHP3 heat pumps harness geothermal vapors as a constant and renewable energy source.

#### **OPTIMAL HOME COMFORT**

They regulate indoor temperatures to 20/22°C for heating and 26°C for cooling.

#### **HOT WATER SUPPLY**

Provides hot water year-round, increasing system functionality.

#### **LOW ENERGY CONSUMPTION**

The WHP3 heat pumps maximize energy efficiency, significantly reducing electricity consumption.

This technology not only improves comfort but also represents an ecological and sustainable choice for the future.





# Applications

PARKAIR



## RESIDENTIAL

There are many reasons why air conditioners cannot be installed in outdoor spaces of homes: technical, condominium, structural, or architectural constraints, or simply the desire to keep the balcony free of obstructions. Parkair meets these needs with air conditioning systems without external units, silent, compact, and with low water consumption.

## COMMERCIAL AND TERTIARY

Maintaining an ideal temperature in workspaces is essential to ensure a higher level of workplace well-being. Parkair offers climate solutions without external units for offices, banks, real estate agencies, restaurants and bars, hairdressers and beauty salons, street-level shops, and gyms.



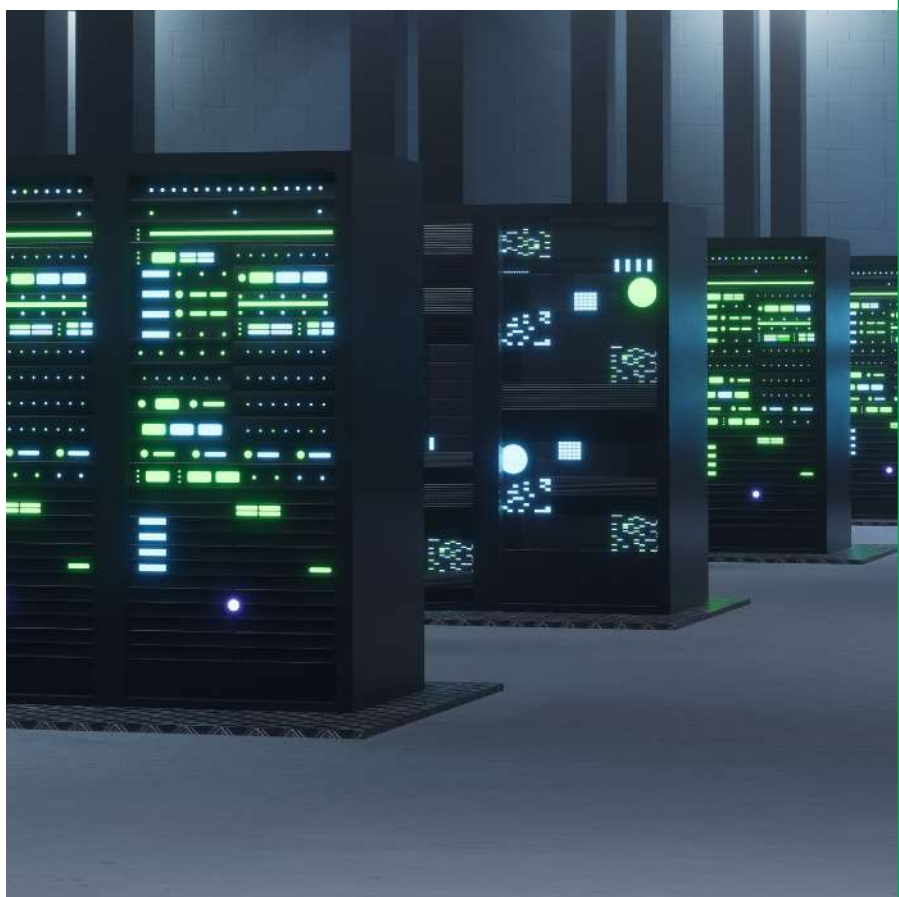


## HOSPITALITY

Parkair's products and climate solutions ensure a pleasant temperature in any season, an essential requirement for hospitality spaces such as hotels, kindergartens, schools, hospitals, clinics, and retirement homes.

## SERVER ROOM

Rooms housing servers require controlled and constant temperatures to ensure the efficiency of connected devices: compact and silent, Parkair's air conditioners without external units can even be in-stalled in windowless rooms with no external openings.





# Products

PARKAIR



### **DIRECT EXPANSION SYSTEMS WATER/AIR**

- 32 Monosplit and Multisplit Heat Pump
- 36 AiROCK Monobloc Heat Pump
- 38 Ducted Monobloc Heat Pump

### **DIRECT EXPANSION SYSTEMS AIR/AIR**

- 42 Monosplit and Multisplit Heat Pump
- 46 AiROCK Monobloc Heat Pump

### **VENTILATION UNITS FOR DIRECT EXPANSION SYSTEMS WATER/AIR AND AIR/AIR**

- 50 Wall-Mounted Inverter Unit R32
- 51 Ducted Low-Pressure Inverter Unit R32
- 52 Ducted Medium-Pressure Inverter Unit R32
- 53 4-Way Cassette Inverter Unit R32
- 54 Floor-Mounted Inverter Unit R32

### **HYDRONIC SYSTEMS WATER/WATER AND AIR/WATER**

- 58 3-in-1 Inverter Heat Pump R32
- 60 3-in-1 Inverter Heat Pump R290
- 62 Hydronic Module for Hot Water Production

### **VENTILATION UNITS FOR HYDRONIC SYSTEMS WATER/WATER AND AIR/WATER**

- 66 2-Pipe Ductable Fan Coil Unit
- 67 2-Pipe Wall-Mounted Fan Coil Unit
- 68 4-Way Cassette Fan Coil Unit
- 69 Wall-Mounted Fan Coil Unit
- 70 Slim Floor-Mounted Fan Coil Unit

### **VRF SYSTEMS**

- 74 Ducted VRF Air/Air System in R410
- 77 Wall-Mounted VRF Fan Coil Unit R410
- 78 Ducted VRF Fan Coil Unit R410
- 79 4-Way Cassette VRF Fan Coil Unit R410





# Direct Expansion Systems Water/Air

## MONOSPLIT AND MULTISPLIT HEAT PUMP WITHOUT EXTERNAL UNIT AND WITHOUT FACADE HOLES WATER/AIR SYSTEM

MCW 2.0 MONO / MCW 2.0 MULTI

Heating | Cooling | Dehumidification | Ventilation



- MONOSPLIT FROM 2.5 kW TO 7 kW
- MULTISPLIT FROM 5.6 kW TO 13.2 kW
- ENERGY CLASS A+++/A++
- DC+H2O INVERTER SYSTEM
- R32 REFRIGERANT

### WHERE TO INSTALL IT

False ceiling  
Under-stair area  
Built-in bathroom furniture  
Built-in kitchen furniture  
Technical room

### APPLICATIONS

Residential  
Commercial and Tertiary  
Hospitality  
Server Room

### COMPATIBLE WITH

DX Ventilation Units  
for Direct Expansion Systems

### MONOSPLIT AND MULTISPLIT WATER/AIR HEAT PUMP WITH INVERTER COMPRESSOR IN R32 AND "H2O INVERTER" SYSTEM FOR WATER MODULATION AND SAVINGS

Depending on the model; more information can be found in the product table.

Heating | Cooling | Dehumidification | Ventilation

The MCW 2.0 range is the most technologically advanced solution in the invisible air conditioning market without external units: the smallest, quietest, and with the lowest consumption in its category.

It is available in both monosplit and multisplit versions (up to 5 indoor units) and can be combined with wall-mounted, horizontal and vertical ducted units, cassette, and floor/ceiling units. The range also offers the ambient monobloc and the ductable monobloc, ideal for businesses and shopping centers. MCW 2.0 models use the FULL INVERTER system to guarantee maximum comfort in all seasons, with the lowest consumption in the industry and incredible silence.

All devices in the range are equipped with an electronic modulating valve to limit water consumption and automatically control all functions (heating, cooling, dehumidification, and ventilation).



MODERN AND  
ESSENTIAL DESIGN



SILENT  
OPERATION



EASY  
INSTALLATION



WIDE RANGE  
OF INDOOR UNITS  
AVAILABLE



COMPLIANT WITH URBAN  
AND CONDOMINIUM  
REGULATIONS

\* Depending on the model; more information in the product table.





#### FULL INVERTER SYSTEM (DC INVERTER + H2O INVERTER)

All models are equipped with Panasonic DC Inverter compressors and an electronic valve for limiting water consumption and automatically controlling all functions. MCW 2.0 models guarantee the lowest electricity and water consumption compared to any other model on the market.

- ✓ Invisible on the facade
- ✓ Low water consumption
- ✓ Compact size



#### UP TO 5 INDOOR UNITS

Ideal for street-level businesses, this hidden system supports up to five indoor units. It combines various unit types and power outputs to achieve perfect climate control for every space.

# MONOSPLIT HEAT PUMP WATER/AIR SYSTEM - DC+H2O INVERTER IN R32

## MCW 2.0 MONO

Heating | Cooling | Dehumidification | Ventilation

### TECHNICAL DATA - MCW 2.0 - MONO

Model		PRK-1MCW-9	PRK-1MCW-12	PRK-1MCW-18	PRK-1MCW-24
Code		T14500	T14505	T14510	T14515
Cooling Capacity	kW	2,60 (1,2~3,3)	3,50 (1,5~4,1)	5,20 (2,1~5,9)	7,32 (2,3~7,8)
Heating Capacity	kW	2,80 (1,2~3,2)	3,85 (1,5~3,9)	5,89 (2,55~5,95)	8,08 (2,3~8,2)
EER	W/W	4,40	4,27	4,33	4,18
COP	W/W	4,47	4,48	4,53	4,49
Energy Label		A+++ / A++	A+++ / A++	A+++ / A++	A+++ / A++
Cooling Water Flow (Min / Max)	l/h	65 / 135	65 / 135	75 / 180	75 / 270
Heating Water Flow (Min / Max)	l/h	85 / 170	85 / 170	90 / 300	90 / 450
Max. water temperature in Cooling	°C	≤ 30	≤ 30	≤ 30	≤ 30
Min. water temperature in Heating	°C	≥ 8	≥ 8	≥ 8	≥ 8
Water Pressure (Min / Max)	bar	0,8 / 4,0	0,8 / 4,0	0,8 / 4,0	0,8 / 4,0
Hydraulic connections	inch	1/2"	1/2"	1/2"	1/2"
Power Supply	V/Hz/ph	220~240 / 50/1	220~240 / 50/1	220~240/50/1	220~240/50/1
Fuse Current	A	10	10	16	25
Cooling Power Input	KW	0,59 (0,25~1,25)	0,82 (0,28~1,31)	1,20 (0,36~1,79)	1,75 (0,65~2,10)
Heating Power Input	KW	0,62 (0,24~1,18)	0,86 (0,29~1,22)	1,30 (0,35~1,82)	1,80 (0,65~2,10)
Compressor Power Input	W	795	795	1260	1645
Compressor Rated Load Amp (RLA)	A	2,8	2,8	6,7	7,5
Compressor Locked Rotor Amp (LRA)	A	25	25	23	25
Refrigerant		R32	R32	R32	R32
Refrigerant Charge	kg	0,70	0,75	1,00	1,10
Not Additional Gas Connection Pipe Length	m	7,5	7,5	10	10
Connection Pipe Gas Additional Charge	g/m	16	22	22	22
Outer Diameter of Liquid / Gas	inch	1/4" - 3/8"	1/4" - 3/8"	1/4" - 1/2"	1/4" - 5/8"
Connection Pipe Max. Height Distance(indoor and indoor)	m	5	5	5	5
Maximum line distance between fan unit and MCW	m	15	15	20	30
Sound Pressure Level (measured at 1 metre in open field)	dB(A)	40	41	42	42
Sound Power Level	dB(A)	50	51	52	52
Unit Dimension (L×D×H)	mm	450×325×480	450×325×480	460×420×480	460×420×480
Net Weight	kg	29,5	30,0	35,5	35,5

Performance data reported in the technical specifications refer to the following conditions: Indoor unit temperature test conditions: Cooling: indoor 27 °C D.B. Heating: indoor 20 °C D.B. COP: 100% capacity with 15 °C inlet / 30 °C outlet; EER: 100% capacity with 10 °C inlet / 7 °C outlet. Water flow rate with mains water at the following temperatures: Summer 15 °C inlet / 40 °C outlet; Winter 15 °C inlet / 4 °C outlet. The sound pressure level is measured at 1 meter distance from the external surface of the unit operating in an open field. Warning: with inlet water temperatures below 10 °C, thermal output may vary.



# MULTISPLIT HEAT PUMP WATER/AIR SYSTEM - DC+H2O INVERTER IN R32

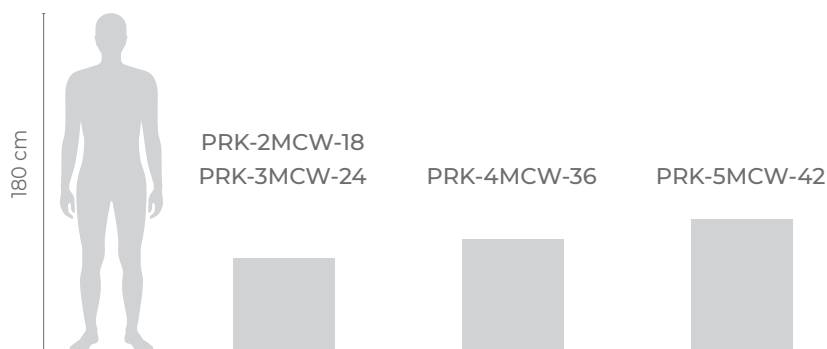
## MCW 2.0 MULTI

Heating | Cooling | Dehumidification | Ventilation

### TECHNICAL DATA - MCW 2.0 - MULTI

Model		PRK-2MCW-18	PRK-3MCW-24	PRK-4MCW-36	PRK-5MCW-42
Code		114520	114525	114530	114535
Cooling Capacity	kW	5,27 (2,05~6,15)	7,12 (2,34~7,91)	10,77 (2,6~12,3)	12,30 (2,6~14,0)
Heating Capacity	kW	5,59 (2,49~6,15)	7,83 (2,58~8,2)	11,52 (2,8~12,9)	13,20 (2,8~14,0)
EER	W/W	4,40	4,18	4,19	4,32
COP	W/W	4,47	4,47	4,50	4,48
Energy Label		A+++ / A++	A++ / A+	A++ / A+	A++ / A+
Cooling Water Flow (Min / Max)	l/h	75 / 200	75 / 290	100 / 450	150 / 580
Heating Water Flow (Min / Max)	l/h	90 / 350	90 / 460	100 / 680	200 / 960
Max. water temperature in Cooling	°C	≤ 30	≤ 30	≤ 30	≤ 30
Min. water temperature in Heating	°C	≥ 8	≥ 8	≥ 8	≥ 8
Water Pressure (Min / Max)	bar	0,8 / 4,0	0,8 / 4,0	0,8 / 4,0	0,8 / 4,0
Hydraulic connections	inch	1/2"	1/2"	1/2"	1/2"
Power Supply	V/Hz/Ph	220~240/50/1	220~240/50/1	220~240/50/1	220~240/50/1
Fuse Current	A	16	25	25	25
Cooling Power Input	KW	1,20 (0,36~1,82)	1,70 (0,60~2,20)	2,57 (0,75~4,60)	2,85 (0,85~4,80)
Heating Power Input	KW	1,25 (0,35~1,86)	1,75 (0,60~2,30)	2,56 (0,75~4,10)	2,95 (0,85~4,90)
Compressor Power Input	W	1260	1645	2105	2315
Compressor Rated Load Amp (RLA)	A	6,7	7,5	9,3	10,3
Compressor Locked Rotor Amp (LRA)	A	23	25	66	40
Refrigerant		R32	R32	R32	R32
Refrigerant Charge	kg	1,10	1,40	1,70	2,00
Not Additional Gas Connection Pipe Length	mt	10	15	15	15
Connection Pipe Gas Additional Charge	g/m	22	22	22	22
Outer Diameter of Liquid / Gas	inch	1/4"- 3/8"	1/4"- 3/8"	1/4"- 3/8"	1/4"- 3/8"
Connection Pipe Max. Height Distance (indoor and indoor)	m	5	5	5	5
Maximum line distance between fan unit and MCW	m	15	15	15	15
Connection Pipe Max. Length Distance (total lenght)	mt	20	30	40	50
Sound Pressure Level (measured at 1 metre in open field)	dB(A)	42,00	42,00	43,00	44,00
Sound Power Level	dB(A)	52,00	52,00	53,00	54,00
Unit Dimension (LxDxH)	mm	460×420×480	460×420×480	460×460×580	460×500×680
Net Weight	kg	35,5	38,5	44	51

Performance data reported in the technical specifications refer to the following conditions: Indoor unit temperature test conditions: Cooling: indoor 27 °C D.B. Heating: indoor 20 °C D.B. COP: 100% capacity with 15 °C inlet / 30 °C outlet; EER: 100% capacity with 10 °C inlet / 7 °C outlet. Water flow rate with mains water at the following temperatures: Summer 15 °C inlet / 40 °C outlet; Winter 15 °C inlet / 4 °C outlet. The sound pressure level is measured at 1 meter distance from the external surface of the unit operating in an open field. Warning: with inlet water temperatures below 10 °C, thermal output may vary.



## MONOBLOC AMBIENT HEAT PUMP WITHOUT EXTERNAL UNIT AND WITHOUT FACADE HOLES WATER/AIR SYSTEM

MCWFP - AIROCK Water

Heating | Cooling | Dehumidification | Ventilation



- OUTPUT FROM 3.5 kW
- ENERGY CLASS A+++/A++
- DC+H2O INVERTER SYSTEM
- R32 REFRIGERANT

### WHERE TO INSTALL IT

Wall-mounted in the room to be air-conditioned

### APPLICATIONS

Residential  
Commercial and Tertiary  
Hospitality  
Server Room

### MONOBLOC WATER/AIR HEAT PUMP WITH INVERTER COMPRESSOR IN R32 AND "H2O INVERTER" SYSTEM FOR WATER MODULATION AND SAVINGS

AiROCK Water redefines the concept of Water/Air air conditioning, offering an advanced solution that combines energy efficiency, environmental respect, and ease of installation. The device does not require an external unit or facade holes and features a closed refrigeration circuit that does not require F-Gas certification for installation or maintenance. This feature makes AiROCK Water a truly "plug & play" system: simply plug in the Schuko plug for immediate connection.

Equipped with a cutting-edge Inverter compressor and using R32 gas, AiROCK Water not only ensures exceptional performance and precise temperature control but does so with a low ecological impact. The integrated H2O Inverter system further optimizes water and electricity consumption, guaranteeing significant savings and superior energy efficiency.

The compact design, with a depth of just 17 cm, allows AiROCK Water to fit into any environment, whether residential or commercial. AiROCK Water stands out for its ease of use, efficiency, and sustainability, offering an unparalleled eco-friendly air conditioning solution without the need for technical expertise for installation.



MODERN AND  
ESSENTIAL DESIGN



SILENT  
OPERATION



EASY  
INSTALLATION



WIDE RANGE  
OF INDOOR UNITS  
AVAILABLE



COMPLIANT WITH URBAN  
AND CONDOMINIUM  
REGULATIONS

\* Depending on the model; more information in the product table.



### FULL INVERTER SYSTEM (DC INVERTER + H2O INVERTER)

All models are equipped with Panasonic DC Inverter compressors and an electronic valve for limiting water consumption and automatically controlling all functions. MCW 2.0 models guarantee the lowest electricity and water consumption compared to any other model on the market.

- ✓ Invisible on the facade
- ✓ Low water consumption
- ✓ Compact size

## TECHNICAL DATA - MCWFP AIROCK WATER

Model	PRK-MCWFP-12	
Code	242010	
Cooling Capacity	kW	3,50
Heating Capacity	kW	3,75
EER	W/W	4,27
COP	W/W	4,46
Energy Label	A+++/A++	
Cooling Water Flow (Min / Max)	l/h	75 / 150
Heating Water Flow (Min / Max)	l/h	90 / 180
Max. water temperature in Cooling	°C	≤ 30
Min. water temperature in Heating	°C	≥ 8
Water Pressure (Min / Max)	bar	0,8 / 4,0
Hydraulic connections	inch	1/2"
Power Supply	V/Hz/Ph	220~240/50/1
Cooling Capacity (min-max)	kW	1,50-3,90
Heating Capacity (min-max)	kW	1,50-4,10
Cooling Power Input	kW	0,82
Heating Power Input	kW	0,84
Air Flow (S-H-L-SL)	m <sup>3</sup> /h	600-550-350-300
Refrigerant	R32	
Refrigerant Charge	kg	0,65
Hydraulic connections	1/2"	
Sound Pressure Level (Min/Max)	dB(A)	34-44
Sound Power Level (Min/Max)	dB(A)	45-51
Net Weight	Kg	45
Unit Dimension (L×D×H)	mm	1000×170×550

Performance data reported in the technical specifications refer to the following conditions: Indoor unit temperature test conditions: Cooling: indoor 27 °C D.B. Heating: indoor 20 °C D.B. COP: 100% capacity with 15 °C inlet / 30 °C outlet; EER: 100% capacity with 10 °C inlet / 7 °C outlet. Water flow rate with mains water at the following temperatures: Summer 15 °C inlet / 40 °C outlet; Winter 15 °C inlet / 4 °C outlet. The sound pressure level is measured at 1 meter distance from the external surface of the unit operating in an open field. Warning: with inlet water temperatures below 10 °C, thermal output may vary.

## DUCTED MONOBLOC HEAT PUMP WATER/AIR SYSTEM

### MCWD

Heating | Cooling | Dehumidification | Ventilation



- **OUTPUTS FROM 10 kW TO 18 kW**
- **ENERGY CLASS A++/A+ \***
- **DC+H2O INVERTER SYSTEM**
- **GAS R32**

#### WHERE TO INSTALL IT

False ceiling  
Technical room

#### APPLICATIONS

Commercial and Tertiary  
Hospitality  
Server Room

### WATER/AIR MONOBLOC HEAT PUMP DUCTED WITH INVERTER COMPRESSOR IN R32 AND "H2O INVERTER" SYSTEM FOR WATER MODULATION AND SAVINGS

The MCWD represents an innovative solution in the field of air conditioning, designed to guarantee maximum flexibility and adaptability to any installation context without compromising the aesthetics or integrity of areas with specific landscape constraints. This monobloc air conditioning system stands out for not requiring facade holes or dedicated outdoor spaces, making it ideal for places where visual impact is a critical consideration.

Another significant advantage is the absence of external refrigeration connections, eliminating the requirement for the installer to hold F-Gas certification. This detail simplifies the installation process and makes it accessible to a wider range of professionals. The MCWD features high air pressure, enabling the use of long air ducts and linear outlets, even in the presence of high-pressure losses. This makes it particularly suitable for environments of various sizes, from small to large shopping centers, always ensuring optimal performance.

Its compact dimensions, the option for three-phase power supply, and integrated heating, cooling, dehumidification, and ventilation functions make it a versatile and efficient choice for any need.

It can be discreetly installed in a false ceiling or a technical room, preserving the aesthetic appearance of the spaces while offering a high level of environmental comfort. The performance of this system is re-markable, with power ranges from 10 to 18 kW, combined with high air pressure to ensure efficient and uniform air distribution.



MODERN AND  
ESSENTIAL DESIGN



SILENT  
OPERATION



EASY  
INSTALLATION



WIDE RANGE  
OF INDOOR UNITS  
AVAILABLE



COMPLIANT WITH URBAN  
AND CONDOMINIUM  
REGULATIONS

\* Depending on the model; more information in the product table.



### FULL INVERTER SYSTEM (DC INVERTER + H2O INVERTER)

All models are equipped with a Panasonic DC Inverter compressor, Brushless DC Inverter motor, and an electronic valve for water consumption limitation and automatic control of all functions. MCW models guarantee the lowest electricity and water consumption compared to any other model on the market

- ✓ Invisible on the facade
- ✓ High Static Pressure
- ✓ Remote control capability
- ✓ Compact size
- ✓ Single-phase and Three-phase models
- ✓ Window contact (I/O)

## TECHNICAL DATA - MCW DUCTED

Model		PRK-MCWD-32	PRK-MCWD-48	PRK-MCWD-60
<b>Code</b>		<b>241116</b>	<b>241121</b>	<b>241126</b>
Cooling Capacity	kW	9.5	13.0	15.0
Heating Capacity	kW	10.0	15.0	18.0
EER	W/W	3,58	3,56	3,53
COP	W/W	3,70	3,72	3,71
ERP		A++ / A+	A++ / A+	A++ / A+
Cooling Water Flow (Min-Max)	m <sup>3</sup> /h	1,0 - 2,3	1,3 - 3,2	1,6 - 3,5
Heating Water Flow (Min-Max)	m <sup>3</sup> /h	0,7 - 1,5	1,0 - 2,2	1,2 - 2,5
Max. water temperature in Cooling	°C	≤ 35	≤ 35	≤ 35
Min. water temperature in Heating	°C	≥ 8	≥ 8	≥ 8
Water Pressure (Min / Max)	bar	1.0~3.0	1.8~4.0	2.0~4.5
Hydraulic connections	inch	1"	1"	1"
Power Supply	V/Hz/Ph	220~240/50/1	380~415/50/3	380~415/50/3
Cooling Power Input	kW	2,65	3,65	4,25
Heating Power Input	kW	2,70	4,00	4,85
Refrigerant		R32	R32	R32
Refrigerant Charge	kg	1,50	1,70	2,50
Fan Type		Centrifugal	Centrifugal	Centrifugal
Air Flow	m <sup>3</sup> /h	1600	2800	3800
Static Pressure	Pa	120	150	180
Sound Pressure Level	dB(A)	47	54	59
Sound Power Level	dB(A)	57	64	69
Unit Dimension (L×D×H)	mm	1430×460×540	1500×500×600	1600×500×600
Net Weight	kg	80	115	120

Performance data reported in the technical specifications refer to the following conditions: Indoor unit temperature test conditions: Cooling: indoor 27 °C D.B. Heating: indoor 20 °C D.B. COP: 100% capacity with 15 °C inlet / 30 °C outlet; EER: 100% capacity with 10 °C inlet / 7 °C outlet. Water flow rate with mains water at the following temperatures: Summer 15 °C inlet / 40 °C outlet; Winter 15 °C inlet / 4 °C outlet. The sound pressure level is measured at 1 meter distance from the external surface of the unit operating in an open field. Warning: with inlet water temperatures below 10 °C, thermal output may vary.







# Direct Expansion Systems Air/Air

## INVISIBLE MONOSPLIT AND MULTISPLIT HEAT PUMP INTERNAL OR EXTERNAL RECESSED INSTALLATION AIR/AIR SYSTEM

MCA 2.0 MONO / MCA 2.0 MULTI

Heating | Cooling | Dehumidification | Ventilation



- MONOSPLIT FROM 3.5 TO 7 kW
- MULTISPLIT FROM 4.1 TO 7 kW
- ENERGY CLASS A/A
- DC INVERTER SYSTEM
- R32 REFRIGERANT
- CENTRIFUGAL FAN

### WHERE TO INSTALL IT

Internally in a technical room or externally as a recessed installation

### APPLICATIONS

Residential  
Commercial and Tertiary  
Hospitality  
Server Room

### COMPATIBLE WITH

Inverter Ventilation Units for Direct Expansion Systems in R32

### MONOSPLIT AND MULTISPLIT AIR/AIR HEAT PUMP WITH INVERTER COMPRESSOR IN R32 FOR INTERNAL OR EXTERNAL RECESSED INSTALLATION

The “invisible” heat pump can be combined with wall-mounted, 4-way cassette, ducted, and console ventilation units.

The condensing unit can also be installed indoors, in a service room, attic, or basement. The ability to in-stall the invisible MCAS heat pump both outdoors and indoors makes it a unique product in the sector, offering multiple installation solutions.

It is the ideal solution for cooling, heating, and dehumidifying apartments, offices, commercial spaces, historical centers, and any location where visible condensing units are not allowed.

MCAS heat pumps are equipped with thick galvanized steel sheet panels and base structure, painted with epoxy powders, ensuring complete resistance to external atmospheric agents and pollutants. All units are equipped with high-efficiency DC INVERTER compressors to guarantee high performance and minimal electricity consumption.

The invisible MCAS heat pumps can be installed internally in a technical room or externally as a recessed installation.

They provide the following functions: cooling, heating, dehumidification, auto restart, large fan diameter, low noise, and self-diagnosis.

### FULL INVERTER SYSTEM

Advanced technology that allows continuous and variable regulation of compressor and fan speed. The system continuously adjusts the compressor speed to meet cooling or heating needs. It reduces energy consumption and operating costs, minimizes temperature fluctuations, operates quietly, and extends system life.



COMPACT  
SIZE



SILENT  
OPERATION



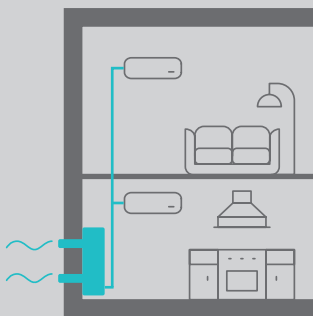
EASY  
INSTALLATION



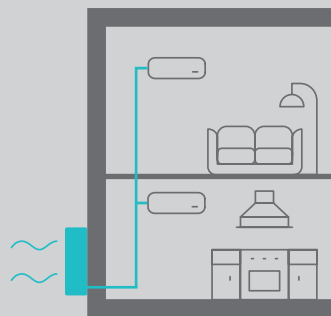
WIDE RANGE  
OF INDOOR UNITS  
AVAILABLE



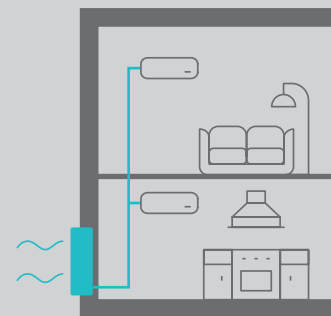
COMPLIANT WITH URBAN  
AND CONDOMINIUM  
REGULATIONS



INTERNAL DUCTED  
INSTALLATION  
WITH INTAKE  
AND EXHAUST  
TO THE EXTERIOR



EXTERNAL  
FREESTANDING  
INSTALLATION



EXTERNAL RECESSED  
INSTALLATION, PARTIAL  
OR TOTAL

## INVISIBLE MONOSPLIT HEAT PUMP AIR/AIR SYSTEM - FULL INVERTER IN R32

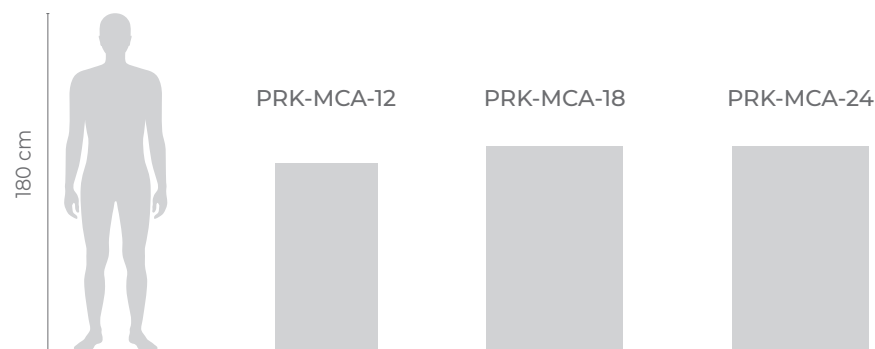
### MCA 2.0 MONO

Heating | Cooling | Dehumidification | Ventilation

#### TECHNICAL DATA - MCAS 2.0

Model		PRK-1MCA-12	PRK-1MCA-18	PRK-1MCA-24
Code		113100	113105	113110
Cooling Capacity	kW	3,5 (0,8~4,0)	5,2 (1,0~6,0)	7,0 (1,2~7,8)
Heating Capacity	kW	3,7 (0,9~4,2)	5,4 (1,1~6,2)	7,3 (1,3~7,9)
EER	W/W	2,70	2,68	2,65
COP	W/W	3,21	3,19	3,18
ERP		A/A	A/A	A/A
Cross-sectional Area of Power Cable Conductor	mm <sup>2</sup>	1,50	1,50	2,5
Recommended Power Cable(Core)		3,00	3,00	3,00
Fuse Current	A	25	25	25
Cooling Power Input	kW	1,30	1,94	2,64
Heating Power Input	kW	1,09	1,63	2,2
Rated Power Input	kW	1,75	2,86	3,6
Cooling Current Input	A	5,77	8,61	11,71
Heating Current Input	A	4,84	7,23	9,8
Rated Current	A	7,76	12,69	16,02
Moisture Protection		IP24	IP24	IP24
Power Supply	V/Hz/Ph	220~240/50/1	220~240/50/1	220~240/50/1
Air Flow Volume	m <sup>3</sup> /h	1.100	2.000	2.000
Refrigerant		R32	R32	R32
Refrigerant Charge	kg	0,80	1,00	1,20
Not Additional Gas Connection Pipe Length	m	5	5	5
Connection Pipe Gas Additional Charge	g/m	16	16	22
Outer Diameter of Liquid	mm	6,35	6,35	6,35
Outer Diameter of Gas	mm	9,52	12,70	15,87
Connection Pipe Max. Height Distance(indoor and indoor)	m	5	5	5
Maximum line distance between fan unit and MCW	m	15	15	15
Connection Pipe Max. Length Distance (total lenght)	m	15	15	15
Sound Pressure Level	dB(A)	45	46	46
Sound Power Level	dB(A)	55	56	56
Unit Dimension (L×D×H)	mm	540×320×1080	720×380×1100	720×380×1100
Net Weight	kg	49	65	70

Performance data shown in the technical specifications are based on the following conditions: Heating 1: Inlet water (glycol) B0 °C / outlet water 35 °C. Heating 2: Inlet water (glycol) B0 °C / outlet water 55 °C. Heating 3: Inlet water 5 °C / outlet water 35 °C. Heating 4: Inlet water 5 °C / outlet water 55 °C. Cooling 5: Inlet water (glycol) B30 °C / outlet water 18 °C.



## INVISIBLE MULTISPLIT HEAT PUMP AIR/AIR SYSTEM - FULL INVERTER IN R32

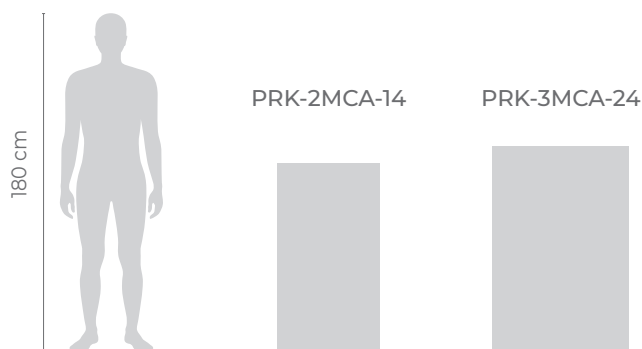
### MCA 2.0 MULTI

Heating | Cooling | Dehumidification | Ventilation

#### TECHNICAL DATA - MCAS 2.0

Model		PRK-2MCA-14	PRK-3MCA-24
Code		113115	113120
Cooling Capacity	kW	4,1(1,0~4,5)	7,0 (1,2~8,0)
Heating Capacity	kW	4,3(1,2~4,6)	7,3 (1,5~8,4)
EER	W/W	2,66	2,61
COP	W/W	3,15	3,04
ERP		A/A	A/A
Cross-sectional Area of Power Cable Conductor	mm <sup>2</sup>	1,5	2,5
Recommended Power Cable(Core)		3,00	3,00
Fuse Current	A	25	30
Cooling Power Input	kW	1,54	2,68
Heating Power Input	kW	1,3	2,3
Rated Power Input	kW	1,8	3,7
Cooling Current Input	A	6,83	11,89
Heating Current Input	A	5,8	10,3
Rated Current	A	7,76	16,33
Moisture Protection		IP24	IP24
Power Supply	V/Hz/Ph	220~240/50/1	220~240/50/1
Air Flow Volume	m <sup>3</sup> /h	1.100	2.000
Refrigerant		R32	R32
Refrigerant Charge	kg	1,10	1,50
Not Additional Gas Connection Pipe Length	m	10	15
Connection Pipe Gas Additional Charge	g/m	16	16
Outer Diameter of Liquid	mm	6,35	6,35
Outer Diameter of Gas	mm	9,52	9,52
Connection Pipe Max. Height Distance(indoor and indoor)	m	5	5
Maximum line distance between fan unit and MCW	m	10	10
Connection Pipe Max. Length Distance (total lenght)	m	20	30
Sound Pressure Level	dB(A)	45	46
Sound Power Level	dB(A)	55	56
Unit Dimension (L×D×H)	mm	540×320×1080	720×380×1100
Net Weight	kg	51	65

Performance data shown in the technical specifications are based on the following conditions: Heating 1: Inlet water (glycol) 80 °C / outlet water 35°C. Heating 2: Inlet water (glycol) 80 °C / outlet water 55 °C. Heating 3: Inlet water 5 °C / outlet water 35 °C. Heating 4: Inlet water 5 °C / outlet water 55 °C. Cooling 5: Inlet water (glycol) 80 °C / outlet water 18 °C.



## AIROCK AIR MONOBLOC HEAT PUMP WITHOUT EXTERNAL UNIT WITH FACADE OPENINGS AIR/AIR SYSTEM

MCAD - AIROCK AIR

Heating | Cooling | Dehumidification | Ventilation



- **OUTPUTS FROM 3.6 kW**
- **ENERGY CLASS A+/A**
- **FULL INVERTER SYSTEM**
- **R290 REFRIGERANT**
- **INCLUDES INTAKE/EXHAUST GRILLES**
- **BUILT-IN WI-FI**

### WHERE TO INSTALL IT

Wall in the room to be air-conditioned.

### APPLICATIONS

Residential  
Commercial and Tertiary  
Hospitality  
Server Room

### FIXED AIR CONDITIONER WITHOUT EXTERNAL UNIT WITH FACADE OPENINGS IN R290

AiROCK Air is the ideal solution for those seeking a complete air conditioning system without the need for an external unit. Capable of providing cooling, heating, and dehumidification in a single device, AiROCK Air adapts perfectly to every season.

Only two facade openings are needed to install this monobloc heat pump, which stands out for its high performance. It offers cooling and heating capacities up to 3.5 kW with energy efficiency in Class A+. The compact design, with a depth of only 20 centimetres, allows AiROCK Air to fit into any context, making it an optimal choice for hotels, modern buildings, and private residences.

AiROCK Air uses R290 gas, a pure propane with a very low Global Warming Potential (GWP 3), a conscious choice for the environment, significantly reducing the system's climate impact.



MODERN AND  
ESSENTIAL DESIGN



SILENT  
OPERATION



MINIMAL AESTHETIC  
IMPACT



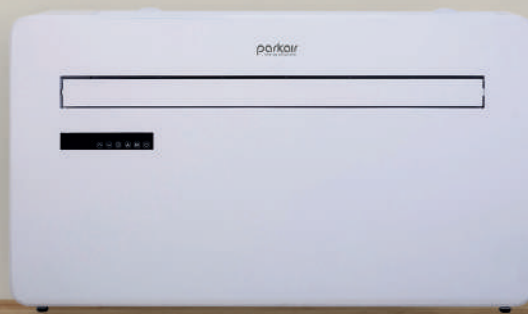
COMPLIANT WITH URBAN  
AND CONDOMINIUM  
REGULATIONS



PLUG & PLAY  
SYSTEM



WI-FI  
CONNECTED



### FULL INVERTER SYSTEM

Advanced technology that allows continuous and variable regulation of compressor and fan speed. The system continuously adjusts the compressor speed to meet cooling or heating needs. It reduces energy consumption and operating costs, minimizes temperature fluctuations, operates quietly, and extends system life.

- ✓ Invisible on the facade
- ✓ Monobloc unit installable in small residential units and commercial spaces with limited dimensions
- ✓ Does not require refrigeration connections and/or refrigerant charges
- ✓ The unit is supplied with all the accessories for a quick and cost-effective installation

## TECHNICAL DATA - MCAD AIROCK AIR

Model	PRK-MCAD-12N	
Code	242000	
Cooling Capacity	kW	3.50
Heating Capacity	kW	2.93
EER	W/W	2,6
COP	W/W	3,6
Energy Class		A+/A
Air circulation	m <sup>3</sup> /h	520
Air Holes (Outlet / Inlet)	mm	180/180
Ideal application Area	m <sup>2</sup>	25-30
Power supply	V/Hz/Ph	220~240/50/1
Rated Cooling Input	W	1350
Rated Heating Input	W	800
Moisture Removal	l/h	1,2
Sound Pressure(Cooling+High Speed Fan)	dB(A)	47
Sound Pressure (Silent Mode)	dB(A)	39
Refrigerant		R290
Precharge of gas	kg	0,29
Size	mm	575x205x1000
Weight	kg	43,5
Operating Limits in Cooling		
Outdoor Temperature (Min/Max)	°C	-5/45
Ambient Temperature (Min/Max)	°C	18/35
Operating Limits in Heating		
Outdoor Temperature (Min/Max)	°C	-5/20
Ambient Temperature (Min/Max)	°C	5/25

Performance data shown in the technical specifications are based on the following conditions: Heating 1: Inlet water (glycol) 80 °C / outlet water 35 °C. Heating 2: Inlet water (glycol) 80 °C / outlet water 55 °C. Heating 3: Inlet water 5 °C / outlet water 35 °C. Heating 4: Inlet water 5 °C / outlet water 55 °C. Cooling 5: Inlet water (glycol) 80 °C / outlet water 18 °C.







# Ventilation Units for Direct Expansion Systems Water/Air and Air/Air

## WALL-MOUNTED INVERTER UNIT R32

### WI-S

Health | Sleep Mode | I Feel | Turbo | Dry Anti-Mildew Design  
 Anti-Cold Air | Anti-Corrosion | Timer | Auto Restart | Backlit LED Display  
 Self-Diagnosis | Filter Cleaning Reminder | 0.5 Watt in Standby | Child Lock | Clock



- POWER FROM 2.0 TO 6.5 kW
- DC INVERTER
- R32 REFRIGERANT
- ACTIVE ION FILTER
- AUTO-RESTART
- WI-FI & INFRARED CONTROL

#### APPLICATIONS

Residential  
 Commercial and Tertiary  
 Hospitality  
 Server Room

**COMPATIBLE WITH** MCW 2.0 and MCA 2.0 series

**WHERE TO INSTALL IT** Wall-mounted

### WALL-MOUNTED INVERTER FAN COIL UNIT FOR DIRECT EXPANSION SYSTEM R32 COMPLETE WITH INFRARED CONTROL AND WI-FI CONNECTIVITY

The R32 Wall-Mounted Inverter Fan Coil Units are perfect for pairing with direct expansion Water/Air and Air/Air systems. They provide comfort with capacities ranging from 2.0 kW to 7.0 kW, infrared control, Wi-Fi connectivity, and an active ion filter for purer air.

The Wi-Fi technology and dedicated app make control simple and accessible anywhere, while R32 guarantees efficiency and sustainability. With auto-restart, the units automatically resume settings after a blackout. Wall-mounted installation offers an elegant solution for an optimal environment.

- ✓ Compact size
- ✓ Durable materials
- ✓ App for remote control

 MODERN AND ESSENTIAL DESIGN	 SILENT OPERATION	 SLEEP CARE FUNCTION
 COLD PLASMA	 HEALTHY FILTER	 WI-FI CONNECTED

#### TECHNICAL DATA - WI-S

Model		PRK-WI-M07S	PRK-WI-M09S	PRK-WI-M12S	PRK-WI-M18S	PRK-WI-M24S
Code		110001	110002	110006	110011	110016
Cooling Capacity	kW	2,1	2,6	3,5	5,3	6,4
Heating Capacity	kW	2,3	2,8	3,6	5,5	6,6
Power Supply	V/Hz/Ph	220~240/1/50	220~240/1/50	220~240/1/50	220~240/1/50	220~240/1/50
Cooling Power Input	W	34	34	41	61	90
Heating Power Input	W	34	34	41	61	90
Air Flow	m <sup>3</sup> /h	480	520	580	850	1090
Sound Pressure Level	db(A)	37/33/21/19	38/34/21/19	40/35/22/20	47/44/31/29	48/44/35/33
Sound Power Level	db(A)	50/46/34/32	51/47/34/32	53/48/35/33	58/55/42/40	61/57/48/46
Refrigerant Liquid/Gas Pipes	inch	1/4" - 3/8"	1/4" - 3/8"	1/4" - 3/8"	1/4" - 1/2"	1/4" - 5/8"
Unit Dimension (LxDxH)	mm	792x195x279	792x195x279	850x203x291	972x224x302	1081x248x327
Net Weigh	kg	9	9	10	13	16

## DUCTED LOW-PRESSURE INVERTER UNIT R32

### DI-E

Sleep Mode | Turbo | Dry Anti-Mildew Design | Anti-Cold Air  
Anti-Corrosion | Timer | Auto Restart | LED Display | Self-Diagnosis  
Clock | Low Voltage Standby

- POWER FROM 2.6 TO 7 kW
- DC INVERTER
- R32 REFRIGERANT
- AUTO-RESTART
- WI-FI & WALL CONTROL

#### APPLICATIONS

Residential  
Commercial and Tertiary  
Hospitality  
Server Room



**COMPATIBLE WITH** MCW 2.0 and MCA 2.0 series

**WHERE TO INSTALL IT** Ceiling or Suspended Ceiling

## DUCTED INVERTER UNIT FOR DIRECT EXPANSION SYSTEM R32

### COMPLETE WITH WALL CONTROL WITH THERMOSTAT AND WI-FI CONNECTIVITY

We introduce the R32 Low-Pressure Ducted Inverter Units, perfect for direct expansion systems. With ceiling or suspended ceiling installation, they fit any space. Offering from 2.6 kW to 7.0 kW, they provide efficient and quiet climate control. With DC Inverter fan, they adjust to climate needs, reducing consumption. Wi-Fi connectivity and wall controls enable intuitive management via the app, with full temperature and speed control. The eco-efficient R32 gas highlights environmental commitment. Auto-restart after blackout and night time Sleep mode enhance comfort. These units offer top-notch performance and aesthetic integration in climate control.

- ✓ Bypass for air intake
- ✓ Durable materials
- ✓ Window contact (I/O)
- ✓ App for remote control



#### TECHNICAL DATA - DI-E

Model		PRK-DI-09E	PRK-DI-12E	PRK-DI-18E	PRK-DI-24E
Code		112002	112007	112012	112017
Cooling Capacity	kW	2,6	3,5	5,2	7
Heating Capacity	kW	2,6	3,5	5,2	7
Power Supply	V/Hz/Ph	220~240/50/1	220~240/50/1	220~240/50/1	220~240/50/1
Cooling Power Input	W	70	90	125	135
Heating Power Input	W	70	90	125	135
Air Flow	m <sup>3</sup> /h	600	800	920	1300
External Static Pressure	Pa	25	25	25	25
Sound Pressure Level	dB(A)	40/39/27/22	42/41/30/27	43/42/37/33	43/42/37/33
Sound Power Level	dB(A)	52/50/39/34	53/52/42/39	55/53/49/45	55/53/49/45
Refrigerant Liquid/Gas Pipes	inch	1/4" - 3/8"	1/4" - 3/8"	1/4" - 1/2"	1/4" - 5/8"
Unit Dimension (L×D×H)	mm	700×450×200	700×450×200	1000×450×200	1300×450×200
Net Weigh	kg	16,5	17	23	27

## DUCTED MEDIUM-PRESSURE INVERTER UNIT R32

### VDI-E

Sleep Mode | Turbo | Dry Anti-Mildew Design | Anti-Cold Air | Anti-Corrosion  
 Timer | Auto Restart | LED Display | Self-Diagnosis | Clock  
 Low Voltage Standby



- POWER FROM 3.5 TO 7 kW
- DC INVERTER
- R32 REFRIGERANT
- MEDIUM PRESSURE
- AUTO-RESTART
- WI-FI & WALL CONTROL

#### APPLICATIONS

- Residential
- Commercial and Tertiary
- Hospitality
- Server Room

**COMPATIBLE WITH** MCW 2.0 and MCA 2.0 series

**WHERE TO INSTALL IT** Ceiling or Suspended Ceiling

### DUCTED INVERTER UNIT FOR DIRECT EXPANSION SYSTEM R32 INSTALLABLE HORIZONTALLY OR VERTICALLY, COMPLETE WITH WALL CONTROL WITH THERMOSTAT AND WI-FI CONNECTIVITY

Explore our range of R32 Medium-Pressure Ducted Inverter Units, ideal for direct expansion systems. With horizontal or vertical installation, they adapt to any space, whether domestic or commercial. Ranging from 3.5 kW to 7.0 kW, they efficiently climate-control various environments. The DC Inverter fan ensures even air distribution, even through long ducts. Each unit features integrated Wi-Fi and wall control with thermostat for intuitive app-based management. The eco-friendly R32 refrigerant minimizes environmental impact and enhances performance.

- ✓ Maximum quietness
- ✓ Standard condensate pump included
- ✓ Window contact (I/O)
- ✓ App for remote control

 FLEXIBLE INSTALLATION	 BY-PASS	 HIGH STATIC PRESSURE
 AIR FILTER	 COMPACT SIZE	 WI-FI CONNECTED

#### TECHNICAL DATA - VDI-E

Model		PRK-VDI-12E	PRK-VDI-18E	PRK-VDI-24E
Code		112021	112026	112027
Cooling Capacity	kW	3,5	5,2	7,1
Heating Capacity	kW	3,5	5,2	7,1
Power Supply	V/Hz/Ph	220~240/1/50	220~240/1/50	220~240/50/1
Cooling Power Input	W	90	125	170
Heating Power Input	W	90	125	170
Air Flow	m <sup>3</sup> /h	700	850	1300
External Static Pressure	Pa	50	50	70
Sound Pressure Level	dB(A)	44/41/30/27	47/42/37/33	43/42/37/33
Sound Power Level	dB(A)	56/52/42/39	58/53/49/45	55/53/49/45
Refrigerant Liquid/Gas Pipes	inch	1/4" - 3/8"	1/4" - 1/2"	1/4" - 1/2"
Unit Dimension (LxDxH)	mm	730×200×600	730×200×600	1407×200×620
Net Weigh	kg	21	23	38

## 4-WAY CASSETTE INVERTER UNIT R32

KI-E

Sleep Mode | I Feel | Turbo | Dry Anti-Mildew Design | Anti-Cold Air  
 Anti-Corrosion | Timer | Auto Restart | Self-Diagnosis | Filter Cleaning Reminder  
 0.5 Standby | Child Lock/Clock | Low Voltage Startup

- POWER FROM 3.5 TO 7 kW
- DC INVERTER
- R32 REFRIGERANT
- LOW/MEDIUM PRESSURE
- AUTO-RESTART
- WI-FI & IR CONTROL

### APPLICATIONS

Residential  
 Commercial and Tertiary  
 Hospitality  
 Server Room



**COMPATIBLE WITH** MCW 2.0 and MCA 2.0 series

**WHERE TO INSTALL IT** Ceiling or Suspended Ceiling

### INVERTER 4-WAY CASSETTE UNIT FOR DIRECT EXPANSION SYSTEM R32 COMPLETE WITH INFRARED CONTROL

The R32 Inverter 4-Way Cassette Fan Coil Units are ideal for those seeking efficient and invisible climate control. With configurations from 3.5 kW to 7.0 kW, they fit various spaces. DC Inverter technology optimizes consumption and costs. The innovative panel design ensures even air distribution, Wi-Fi and IR connectivity for flexible control. The R32 refrigerant is environmentally friendly. Functions like auto-restart, sleep mode, and low voltage startup enhance usability. A filter cleaning reminder ensures clean air. Installed in suspended ceilings, they offer aesthetics and functionality, superior comfort, and exceptional usage.

- ✓ Maximum quietness
- ✓ Durable materials
- ✓ Window contact



### TECHNICAL DATA - KI-E

Model		PRK-KI-12E	PRK-KI-18E	PRK-KI-24E
Code		111507	111512	111517
Cooling Capacity	kW	3,5	5,2	7
Heating Capacity	kW	3,5	5,2	7
Power Supply	V/Hz/Ph	220~240/50/1	220~240/50/1	220~240/50/1
Cooling Power Input	W	60	73	120
Heating Power Input	W	60	73	120
Air Flow	m <sup>3</sup> /h	700	760	1300
Sound Pressure Level	dB(A)	47/44/39	47/44/39	47/44/39
Refrigerant Liquid/Gas Pipes	inch	1/4" - 3/8"	1/4" - 1/2"	3/8" - 5/8"
Unit Dimension (LxDxH)	mm	570x570x260	570x570x260	840x840x300
Panel Dimension (LxDxH)	mm	650x650x28	650x650x28	950x950x45
Unit Weigh	kg	17,2	17,2	24,4
Panel Weigh	kg	2,2	2,2	5,4

## FLOOR-MOUNTED INVERTER UNIT R32

### FI-E

Cooling, Heating, Dehumidifying | Sleep Mode | Auto Swing (Vertical Auto Swing)  
 Dry Anti-Mildew Design | Timer | Auto Restart | Filter Dirty Alarm  
 LED Display | Intelligent Defrosting | Force Defrosting | 8°C Heating Mode  
 Low Ambient Cooling | Low Ambient Heating | Multi Speeds



- POWER FROM 2.5 TO 5 kW
- DC INVERTER
- R32 REFRIGERANT
- HIGH PRESSURE
- WALL CONTROL
- AUTO-RESTART

#### APPLICATIONS

Residential  
 Commercial and Tertiary  
 Hospitality  
 Server Room

**COMPATIBLE WITH** MCW 2.0 and MCA 2.0 series

**WHERE TO INSTALL IT** Floor-mounted

## INVERTER FLOOR-MOUNTED UNIT FOR DIRECT EXPANSION SYSTEM R32 COMPLETE WITH INFRARED CONTROL

Our R32 Inverter Floor-Mounted Fan Coil Units blend with the décor, offering powerful yet discreet climate control. With capacities of 2.5 kW and 5.0 kW, they are perfect for various spaces. The DC Inverter technology ensures optimal airflow and constant comfort.

Control is simplified with infrared remote controls, while the R32 refrigerant underscores our commitment to eco-friendly solutions.

Auto-restart and sleep mode enhance comfort and convenience, with automatic restart and night time temperature regulation.

- ✓ Compact size
- ✓ Maximum quietness
- ✓ Durable materials



MODERN AND  
 ESSENTIAL DESIGN



AIR  
 FILTER



SLEEP CARE  
 FUNCTION

### TECHNICAL DATA - FI-E

Modello		PRK-FI-09E	PRK-FI-12E	PRK-FI-18E
Codice		112030	112031	112032
Cooling Capacity	kW	2,6	3,5	5,2
Heating Capacity	kW	2,6	3,5	5,2
Power Supply	V/Hz/Ph	220~240 / 1 / 50	220~240 / 1 / 50	220~240 / 1 / 50
Cooling Power Input	W	70	90	100
Heating Power Input	W	70	90	100
Air Flow	m³/h	550	650	700
External Static Pressure	Pa	n.d.	n.d.	n.d.
Sound Pressure Level	dB(A)	42	45	47
Sound Power Level	dB(A)	n.d.	n.d.	n.d.
Refrigerant Liquid/Gas Pipes	inch	1/4" - 3/8"	1/4" - 3/8"	1/4" - 3/8"
Dimension (LxDxH)	mm	700×215×600	700×215×600	700×215×600
Unit Weigh	kg	14,2	14,2	14,2

# MULTISPLIT COMBINATION TABLE

## MCW 2.0 and MCA 2.0 series

### DUALSPLIT - PRK-2MCA-14

2 fan units	
7K+7K	7K+9K
7K+12K	9K+9K
9K+12K	

### DUALSPLIT - PRK-2MCW-18

2 fan units	
7K+7K	7K+9K
7K+12K	9K+9K
9K+12K	12K+12K

### TRIALSPLIT - PRK-3MCW-24 / PRK-3MCA-24

2 fan units		3 fan units		
7K+7K	7K+9K	7K+7K+7K	7K+7K+9K	7K+7K+12K
7K+12K	7K+18K	7K+7K+18K	7K+9K+9K	7K+9K+12K
9K+9K	9K+12K	7K+9K+18K	7K+12K+12K	9K+9K+9K
9K+18K	12K+12K	9K+9K+12K	9K+9K+18K	9K+12K+12K
12K+18K	18K+18K	12K+12K+12K	-	-

### QUADRISPLIT - PRK-4MCW-36

2 fan units		3 fan units			4 fan units		
7K+12K	18K+24K	7K+7K+7K	7K+12K+24K	9K+18K+24K	7K+7K+7K+7K	7K+7K+12K+24K	9K+9K+9K+12K
7K+18K	24K+24K	7K+7K+9K	7K+18K+18K	12K+12K+12K	7K+7K+7K+9K	7K+7K+18K+18K	9K+9K+9K+18K
7K+24K	-	7K+7K+12K	7K+18K+24K	12K+12K+18K	7K+7K+7K+12K	7K+9K+9K+9K	9K+9K+9K+24K
9K+9K	-	7K+7K+18K	9K+9K+9K	12K+12K+24K	7K+7K+7K+18K	7K+9K+9K+18K	9K+9K+12K+12K
9K+12K	-	7K+7K+24K	9K+9K+12K	12K+18K+18K	7K+7K+7K+24K	7K+9K+9K+12K	9K+9K+12K+18K
9K+18K	-	7K+9K+9K	9K+9K+18K	12K+18K+24K	7K+7K+9K+9K	7K+9K+9K+24K	9K+9K+18K+18K
9K+24K	-	7K+9K+12K	9K+9K+24K	-	7K+7K+9K+12K	7K+9K+12K+12K	9K+12K+12K+12K
12K+12K	-	7K+9K+18K	9K+12K+12K	-	7K+7K+9K+18K	7K+9K+12K+18K	9K+12K+12K+18K
12K+18K	-	7K+9K+24K	9K+12K+18K	-	7K+7K+9K+24K	7K+9K+12K+24K	12K+12K+12K+12K
12K+24K	-	7K+12K+12K	9K+12K+24K	-	7K+7K+12K+12K	7K+9K+18K+18K	-
18K+18K	-	7K+12K+18K	9K+18K+18K	-	7K+7K+12K+18K	9K+9K+9K+9K	-

### PENTASPLIT - PRK-5MCW-42

2 fan units		3 fan units			4 fan units			5 fan units		
7K+18K	12K+18K	7K+7K+7K	7K+24K+24K	12K+18K+18K	7K+7K+7K+7K	7K+9K+9K+9K	7K+18K+18K+18K	7K+7K+7K+7K+7K	7K+7K+9K+9K+18K	7K+12K+12K+12K+12K
7K+24K	12K+24K	7K+7K+9K	9K+9K+9K	12K+18K+24K	7K+7K+7K+9K	7K+9K+9K+12K	9K+9K+9K+9K	7K+7K+7K+7K+9K	7K+7K+9K+9K+24K	9K+9K+9K+9K+9K
9K+12K	18K+18K	7K+7K+12K	9K+9K+12K	12K+24K+24K	7K+7K+7K+12K	7K+9K+9K+18K	9K+9K+9K+12K	7K+7K+7K+7K+12K	7K+7K+9K+12K+12K	9K+9K+9K+9K+12K
9K+18K	18K+24K	7K+7K+18K	9K+9K+18K	18K+18K+18K	7K+7K+7K+18K	7K+9K+9K+24K	9K+9K+9K+18K	7K+7K+7K+7K+18K	7K+7K+9K+12K+18K	9K+9K+9K+9K+18K
9K+24K	24K+24K	7K+7K+24K	9K+9K+24K	18K+18K+24K	7K+7K+7K+24K	7K+9K+12K+12K	9K+9K+9K+24K	7K+7K+7K+7K+24K	7K+7K+9K+12K+24K	9K+9K+9K+12K+12K
12K+12K	-	7K+9K+9K	9K+12K+12K	-	7K+7K+9K+9K	7K+9K+12K+18K	9K+9K+12K+12K	7K+7K+7K+9K+9K	7K+7K+12K+12K+12K	9K+9K+12K+12K+12K
-	-	7K+9K+12K	9K+12K+18K	-	7K+7K+9K+12K	7K+9K+12K+24K	9K+9K+12K+18K	7K+7K+7K+9K+12K	7K+7K+12K+12K+18K	-
-	-	7K+9K+18K	9K+12K+24K	-	7K+7K+9K+18K	7K+9K+18K+18K	9K+9K+12K+24K	7K+7K+7K+9K+18K	7K+9K+9K+9K+9K	-
-	-	7K+9K+24K	9K+18K+18K	-	7K+7K+9K+24K	7K+9K+18K+24K	9K+9K+18K+18K	7K+7K+7K+9K+24K	7K+9K+9K+9K+12K	-
-	-	7K+12K+12K	9K+18K+24K	-	7K+7K+12K+12K	7K+12K+12K+12K	9K+12K+12K+12K	7K+7K+7K+12K+12K	7K+9K+9K+9K+18K	-
-	-	7K+12K+18K	9K+24K+24K	-	7K+7K+12K+18K	7K+12K+12K+18K	9K+12K+12K+18K	7K+7K+7K+12K+18K	7K+9K+9K+9K+24K	-
-	-	7K+12K+24K	12K+12K+12K	-	7K+7K+12K+24K	7K+12K+12K+24K	9K+12K+12K+24K	7K+7K+7K+12K+24K	7K+9K+9K+12K+12K	-
-	-	7K+18K+18K	12K+12K+18K	-	7K+7K+18K+18K	7K+12K+18K+18K	12K+12K+12K+12K	7K+7K+9K+9K+9K	7K+9K+9K+12K+18K	-
-	-	7K+18K+24K	12K+12K+24K	-	7K+7K+18K+24K	7K+12K+18K+24K	12K+12K+12K+18K	7K+7K+9K+9K+12K	7K+9K+12K+12K+12K	-







# Hydronic Systems Water/Water and Air/Water

## 3-IN-1 WATER/WATER HEAT PUMP DC+H2O INVERTER SYSTEM IN R32

### WHP3

Heating | Cooling | Domestic hot water production  
Dehumidification | Ventilation



- **OUTPUTS FROM 8 kW TO 18 kW**
- **ENERGY CLASS A+++**
- **DC+H2O INVERTER SYSTEM**
- **R32 REFRIGERANT**

#### WHERE TO INSTALL IT

Indoors  
Technical room

#### APPLICATIONS

Residential  
Commercial and Tertiary  
Hospitality  
Server Room

#### COMPATIBLE WITH

FX Fan Coils for Hydronic ATW and WTW Systems, Radiant Panels, Radiators, or Convectors

### GEOTHERMAL 3IN1 WATER/WATER HEAT PUMP FOR HEATING, COOLING, AND HOT WATER PRODUCTION, DC+H2O INVERTER SYSTEM WITH R32

A single system for year-round comfort, without an external unit. With the WHP3 heat pump systems, you can meet all your home's comfort needs: heating in winter, cooling in summer, and hot water production year-round.

The exclusive heat recovery technology allows heating water for family comfort without interrupting heating or cooling.

WHP3 is our innovative generation of water/water heat pumps incorporating advanced FULL INVERTER and H2O INVERTER technologies. It also offers an optimal solution for geothermal applications.

With capacities ranging from 8 to 18 kW, this heat pump is designed to provide a highly efficient 3-in-1 solution, ensuring cooling, heating, and hot water production.

Equipped with an intuitive touch panel, the heat pump allows for easy and precise control, making system management extremely simple. Additionally, the integrated Wi-Fi connection ensures advanced remote control, allowing homeowners to monitor and manage the system from anywhere through an app.

The system features include: heating, cooling, hot water production, Auto Restart, Remote Control, Wired Control, Turbo, Low Noise, and Auto Diagnostic. The 3-in-1 heat pump must be installed indoors, in a technical room.

#### FULL INVERTER SYSTEM (DC INVERTER + H2O INVERTER)

All models are equipped with a Panasonic DC Inverter compressor and an electronic valve to limit water consumption and automatically control all functions.



MODERN AND  
ESSENTIAL DESIGN



SILENT  
OPERATION



FLEXIBLE  
INSTALLATION

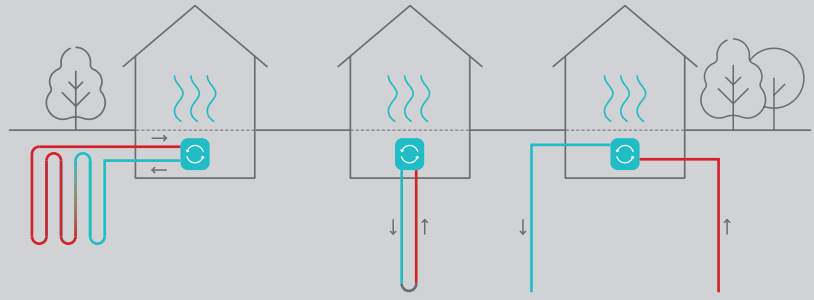


HOT WATER  
PRODUCTION



WI-FI  
CONNECTED

- ✓ Heating
- ✓ Cooling
- ✓ Domestic hot water production
- ✓ Low water consumption
- ✓ Compact size



## TECHNICAL DATA - WHP3

Model		PRK-WHP3-08	PRK-WHP3-12	PRK-WHP3-18T
Code		113200	113205	113210
Power Supply	V/Hz/ph	220~240/50/1	220~240/50/1	380~415/50/3
Heating Capacity Range	KW	8,00	12,00	18,00
Heating Capacity at B0/W35				
Heating Capacity	kW	8,00	12,00	18,00
Power Input	kW	1,80	2,78	4,18
Current	A	8,07	12,46	7,80
COP	W/W	4,44	4,32	4,31
Heating Capacity at B0/W55				
Heating Capacity	kW	7,00	10,00	16,00
Power Input	kW	2,35	3,45	5,38
Current	A	10,53	15,46	10,08
COP	W/W	2,98	2,90	2,97
Heating Capacity at B0/W55				
Heating Capacity	kW	8,00	12,00	18,00
Power Input	kW	1,68	2,58	3,90
Current	A	7,53	11,56	7,31
COP	W/W	4,76	4,65	4,62
Heating Capacity at W5/W35				
Heating Capacity	kW	7,00	10,00	16,00
Power Input	kW	2,21	3,21	5,13
Current	A	9,90	14,39	9,62
COP	W/W	3,17	3,12	3,12
Cooling Capacity at B30/W18				
Cooling Capacity	kW	7,20	11,00	16,50
Power Input	kW	1,48	2,29	3,52
Current	A	6,63	10,26	6,61
EER	W/W	4,86	4,80	4,69
ERP		A+++	A+++	A+++
Max Power Input	KW	3,55	4,20	6,20
Max Current	A	16,00	18,82	11,62
Exchanger water outlet temperature in heating	°C	35	35	35
Exchanger water outlet temperature in cooling	°C	7	7	7
Water flow in cooling 15°C/40°C (in/out)	l/h	300	450	720
Water flow in heating 15°C/4°C (in/out)	l/h	490	750	1100
Compressor		Inverter	Inverter	Inverter
Refrigerant		R32	R32	R32
Refrigerant Charge	kg	1,00	1,30	1,50
Circulating pump		Inverter	Inverter	Inverter
Water pipe connector	inch	1	1	1 1/4
Sound Pressure Level	dB(A)	39	40	41
Sound Power Level	dB(A)	49	50	51
Unit Dimension (L×D×H)	mm	650×600×860	650×600×860	650×600×860
Net Weight	kg	65	75	90
Minimum inlet water temperature in HEATING/DHW (outdoor water)	°C	7,00	7,00	7,00
Minimum water inlet temperature in COOLING (outdoor water)	°C	7,00	7,00	7,00
Maximum water inlet temperature in HEATING (outdoor water)	°C	30,00	30,00	30,00
Maximum water inlet temperature in COOLING (outdoor water)	°C	35,00	35,00	35,00
Maximum outlet water temperature in HEATING	°C	62,00	62,00	62,00

Performance data shown in the technical specifications are based on the following conditions: Heating 1: Inlet water (glycol) 80 °C / outlet water 35 °C. Heating 2: Inlet water (glycol) 80 °C / outlet water 55 °C. Heating 3: Inlet water 5 °C / outlet water 35 °C. Heating 4: Inlet water 5 °C / outlet water 55 °C. Cooling 5: Inlet water (glycol) 80 °C / outlet water 18 °C.

## 3-IN-1 AIR/WATER INVERTER HEAT PUMP FULL INVERTER SYSTEM WITH R290

### AHP3

Heating | Cooling | Domestic hot water production  
Dehumidification | Ventilation



### 3IN1 AIR/WATER INVERTER HEAT PUMP WITH ECOLOGICAL R290 GAS FOR HEATING, COOLING, AND HOT WATER PRODUCTION; INCLUDES BUILT-IN PANEL AND WI-FI MODULE FOR REMOTE CONTROL

The AHP3 monobloc heat pumps are an excellent choice for those seeking an efficient and sustainable solution for heating, cooling, and hot water production. These units are perfectly suited for underfloor heating or fan coil systems. Available in four capacities (6, 8, 12, and 18 kW), these units stand out for using R290 propane, a natural refrigerant with low environmental impact, fully compliant with the latest ecological regulations.

Designed with a robust structure, with panels and structure in thick galvanized steel, painted with epoxy powders, the AHP3 heat pumps are built to withstand weather and pollutants. Each unit features FULL DC-INVERTER compressors, optimizing energy consumption by adjusting to thermal load variations, and high-efficiency heat exchangers, ensuring superior performance even under extreme climatic conditions.

The innovative design includes a fan directly coupled to the DC-INVERTER motor, with internal thermal protection, ensuring quiet and efficient operation. The AHP3 range is part of our next-generation heat pump offering, focused on energy efficiency and environmental impact reduction in residential and commercial settings.

In addition to key features like quiet operation and low energy consumption, these heat pumps are easily controlled through an intuitive touch panel or remotely via Wi-Fi and a dedicated app, offering advanced functionality and various automatic and manual management modes, including CE certification, low noise, large fan diameter, and auto-diagnosis, making them cutting-edge solutions for comfort and sustainability.

- **OUTPUTS FROM 6 kW TO 18 kW**
- **ENERGY CLASS A+++/A++**
- **INVERTER SYSTEM**
- **R290 GAS**
- **DUAL TEMPERATURE ZONE**
- **RS485 COMMUNICATION PORT**
- **PHOTOVOLTAIC INTEGRATION WITH PV FUNCTION screen TFT COLOR DISPLAY**

#### WHERE TO INSTALL IT

Outdoors

#### APPLICATIONS

Residential  
Commercial and Tertiary  
Hospitality  
Server Room

#### COMPATIBLE WITH

Fan Coils for Water/Water and Air/Water Hydronic Systems, Radiant Panels, Radiators, or Convectors



MODERN AND  
ESSENTIAL DESIGN



SILENT  
OPERATION



EASY  
INSTALLATION

## FULL INVERTER SYSTEM

Advanced technology that allows continuous and variable control of the compressor and fan speeds. The system continuously adjusts the compressor speed to meet cooling or heating demands. It reduces energy consumption and operating costs, minimizes temperature fluctuations, operates quietly, and extends the system's lifespan.

- ✓ Heating
- ✓ Cooling and DHW Production
- ✓ Compact size
- ✓ Ecological R290 Gas

## TECHNICAL DATA - AHP3

Model		PRK-AHP3-06	PRK-AHP3-08	PRK-AHP3-12	PRK-AHP3-18T
Code		141100	141102	141105	141110
Power Supply	V/Hz/Ph	220~240/50/1	220~240/50/1	220~240/50/1	380~415/50/3
Heating Capacity Range	kW	3,0-9,05	4,30-12,10	4,30-15,10	7,24-21,90
Heating Capacity (A7/6°C-W30/35°C)					
Heating Capacity	kW	6,18	8,15	12,05	18,00
Power Input	kW	1,30	1,65	2,61	3,94
COP		4,75	4,94	4,62	4,57
Heating Capacity (A7/6°C - W40/45°C)					
Heating Capacity	kW	6,17	8,10	12,12	18,00
Power Input	kW	1,67	2,12	3,33	4,92
COP		3,71	3,83	3,64	3,66
Heating Capacity (A7/6°C-W47/55°C)					
Heating Capacity	kW	6,16	8,05	12,18	18,00
Power Input	kW	2,03	2,58	4,05	5,90
COP		3,03	3,12	3,01	3,05
Cooling Capacity (A35/24°C-W23/18°C)					
Cooling Capacity	kW	6,05	8,01	12,11	17,95
Power Input	kW	1,57	1,95	3,01	4,66
EER		3,85	4,11	4,02	3,85
Heating Capacity (-7°C, W35°C)					
Heating Capacity	kW	4,61	6,11	8,93	13,35
Power Input	kW	1,32	1,68	2,65	4,15
COP		3,49	3,63	3,37	3,22
Heating Capacity (-7°C, W55°C)					
Heating Capacity	kW	4,54	6,03	9,03	13,34
Power Input	kW	2,03	2,64	4,09	6,04
COP		2,24	2,28	2,21	2,21
Cooling Capacity (A35°C, W12/7°C)					
Cooling Capacity	kW	4,56	7,55	8,23	14,32
Power Input	kW	1,71	2,45	3,18	5,87
EER		2,67	3,08	2,59	2,44
ERP level 35°C (EN14825)		A+++	A+++	A+++	A+++
ERP level 55°C (EN14825)		A++	A++	A++	A++
SCOP (35°C)		4,83	4,93	4,77	4,79
SCOP (55°C)		3,71	3,72	3,77	3,71
Max Power Input	kW	3,5	5,40	5,40	7,50
Max Current	A	15	25,00	25,00	10,50
Work temp. Range Heat		from -25 °C to 45 °C	from -25 °C to 45 °C	from -25 °C to 45 °C	from -25 °C to 45 °C
Work temp. Range Cool		from 16 °C to 45 °C	from 16 °C to 45 °C	from 16 °C to 45 °C	from 16 °C to 45 °C
Water Proof Level	IP	IPX4	IPX4	IPX4	IPX4
Refrigerant		R290	R290	R290	R290
Refrigerant Charge	kg	0,55	1,05	1,05	1,40
Circulating pump		Inverter Built-in	Inverter Built-in	Inverter Built-in	Inverter Built-in
Water pipe connector	inch	DN 25 (1")	DN 25 (1")	DN 25 (1")	DN 32 (1-1/4")
Rated Water Flow	m <sup>3</sup> /h	1,0	1,4	2,1	3,1
Sound Pressure Level	dB(A)	46	43	53	56
Sound Power Level	dB(A)	60	58	67	70
Unit Dimension (L×D×H)	mm	1187×418×805	1287×438×904	1287×438×904	1187×488×1456
Net Weight	kg	110	134	134	195
Gross Weight	kg	122	146	146	210

Performance data shown in the technical specifications are based on the following conditions: Heating 1: External air-dry bulb +7°C / wet bulb +6°C, inlet water 30°C - outlet water 35°C. Values compliant with EN 14511-3: 2022. Heating 2: External air-dry bulb +7°C / wet bulb +6°C, inlet water 40°C - outlet water 45°C. Values compliant with EN 14511-3: 2022. Heating 3: External air-dry bulb +7°C / wet bulb +6°C, inlet water 47°C - outlet water 55°C. Values compliant with EN 14511-3: 2022. Cooling 4: External air-dry bulb +35°C / wet bulb +24°C, water 23°C - 18°C. Values compliant with EN 14511-3: 2022. Heating 5: External air-dry bulb -7°C, water -35°C. Values compliant with EN 14511-3: 2022. Heating 6: External air-dry bulb -7°C, water -55°C. Values compliant with EN 14511-3: 2022. Cooling 7: External air-dry bulb +35°C / wet bulb +24°C, inlet water 12°C - outlet water 7°C. Values compliant with EN 14511-3: 2022. The sound pressure level refers to 1 meter distance from the external surface of the operating unit in an open field.

## HYDRONIC MODULE FOR HOT WATER PRODUCTION

### HYDRO BOX

Domestic hot water production



- **OUTPUTS FROM 6 kW TO 9 kW**
- **SINGLE-PHASE OR THREE-PHASE**
- **COMPLETE WITH CONTROL PANEL**

#### WHERE TO INSTALL IT

Indoors

#### APPLICATIONS

Residential  
Commercial and Tertiary  
Hospitality  
Server Room

#### COMPATIBLE WITH

Water/Water and Air/Water  
Hydronic Heat Pumps

**THE 3KW AND 9KW HYDRONIC MODULE IS DESIGNED TO IMPROVE HYDRONIC SYSTEMS LIKE AHP3 AND WHP3 HEAT PUMPS, OPTIMIZING THE PRODUCTION OF HOT WATER (DHW). EQUIPPED WITH ESSENTIAL COMPONENTS FOR EFFICIENT OPERATION, THIS ADVANCED MODULES IDEAL FOR THOSE LOOKING TO INCREASE ENERGY EFFICIENCY AND HOME COMFORT**

The 3kW Hydronic Module is a crucial innovation in heating systems, perfectly compatible with AHP3 and WHP3 heat pumps. It is essential for enhancing hot water production (DHW), improving comfort and energy efficiency at home. This module works in harmony with heat pumps, elevating hydronic heating efficiency to higher levels, ideal for those seeking a more comfortable and sustainable domestic environment.

With high-quality components, it offers reliability and efficiency. It includes options for 6 kW and 9 kW, available in single-phase and three-phase versions, with an intuitive control panel for easy management. Its simple and compact design ensures quietness and aesthetic integration in any space.

The user-friendly interface and Wi-Fi connection allow for remote control via smart devices, simplifying the management of home heating. Designed for indoor installation, it easily fits into living spaces without requiring invasive modifications.

In summary, the 3kW Hydronic Module is an advanced choice for those aiming to improve energy efficiency and home comfort. Combining innovation, ease of use, and quiet performance, it represents a valuable investment, significantly contributing to the evolution of home heating.



MODERN AND  
ESSENTIAL DESIGN



SILENT  
OPERATION



EASY  
INSTALLATION



- ✓ User Friendly
- ✓ Expansion Vessel
- ✓ 3-Way Valve
- ✓ Maximum Silence
- ✓ Control Panel with Wi-Fi Connection

## TECHNICAL DATA - HYDRO BOX

Model		PRK-HYDRO-3	PRK-HYDRO-9T
Code		141250	141255
Heating Capacity	kW	3,00	3,00-9,00
Power Supply	V/Ph/Hz	220~240/1/50	380~415/3/50
Hydraulic Connections	inch	DN 25 (1")	DN 25 (1")
Nominal Water Flow Rate	m <sup>3</sup> /h	2.5	2.5
Pressure Drop	kPa	10	10
Pressure (Min/Max)	MPa	0,1/0,3	0,1/0,3
Protection Rating (o IP Rating in contesti tecnici specifici)	IP	IPX0	IPX0
Operating Temperature	°C	-25~45	-25~45
Noise Level	dB(A)	35	35
Vxpansion Tank	l	6	6
DHW Circulation Pump (DHW = Domestic Hot Water)		Built-in	Built-in
Three-Way Valves for DHW (DHW = Domestic Hot Water)		Built-in	Built-in
Net Weight	kg	34	34
Unit Dimension (LxDxH)	mm	420×261×669	420×261×669

Performance data shown in the technical specifications are based on the following conditions: Heating 1: Inlet water (glycol) 80 °C / outlet water 35 °C. Heating 2: Inlet water (glycol) 80 °C / outlet water 55 °C. Heating 3: Inlet water 5 °C / outlet water 35 °C. Heating 4: Inlet water 5 °C / outlet water 55 °C. Cooling 5: Inlet water (glycol) 80 °C / outlet water 18 °C.







# Ventilation Units for Hydronic Systems Water/Water and Air/Water

## 2-PIPE DUCTABLE FAN COIL UNIT FOR ATW/WTW SYSTEMS

### FCD

Cooling | Heating | Auto Restart | Remote Control | Wired Control | Turbo CE Certification | Low Noise | Large Fan Diameter | Auto Diagnostic



- OUTPUTS FROM 6 TO 15 kW
- AC MOTOR
- MODULAR SYSTEM
- BUILT-IN CONDENSATE
- PAN

#### APPLICATIONS

Residential  
Commercial and Tertiary  
Hospitality  
Server Room

**COMPATIBLE WITH** WHP3 and AHP3 series

**WHERE TO INSTALL IT** Ceiling or False Ceiling

### DUCTED FAN COIL UNIT FOR WHP OR AHP HEAT PUMP FOR RECESSED CEILING INSTALLATION WITH 2 PIPES AND OPTIONAL WIRED OR INFRARED CONTROL

Our Ducted Fan Coils: Discreet design for large spaces with ceiling installation. Compatible with WHP and AHP heat pumps, offering capacities from 6 kW to 15 kW for heating, cooling, dehumidification, and ventilation. They operate quietly, with wired or infrared control, ensuring an optimal environment in classrooms, offices, and shopping centers. They are the top choice for efficiency and comfort.

- ✓ Modern and essential design
- ✓ Compatible with any type of hydronic heat pump
- ✓ Quiet operation
- ✓ Ideal for large spaces



#### TECHNICAL DATA - FCD

Model		FCD-60	FCD-75	FCD-85	FCD-100	FCD-130	FCD-150
Code		160701	160706	160711	160716	160721	160726
Total Cooling Capacity (max)	kW	6	7,5	8,6	10,3	12,9	15
Sensible Cooling Capacity (max)	kW	4,5	5,6	6,1	8,1	9,9	11,1
Heating Capacity (45-40°C)	kW	6,5	7,9	8,3	11,7	14,4	15,2
Power Supply	V/Ph/Hz	230-1-50	230-1-50	230-1-50	230-1-50	230-1-50	230-1-50
Maximum Airflow Rate	m³/h	880	960	920	1680	1840	1760
Available Static Pressure	Pa	60	60	60	60	60	60
Power Supply	V	230	230	230	230	230	230
Sound Level (Min/Max)	dB(A)	37-49	38-50	38-50	45-52	46-53	46-53
Dimensions (LxDxH)	mm	800x575x250	800x575x250	800x575x250	1200x575x250	1200x575x250	1200x575x250
Weight (fan coil+plenum+frame+panel)	kg	34	35	37	48	50	53
Water Flow Rate (in Heating)	l/h	1127	1359	1428	2012	2477	2614
Pressure Drop (in Heating)	kPa	26,6	32,9	23,4	21,1	32,1	20
Water Flow Rate (in Cooling)	l/h	1034	1287	1477	1772	2219	2580
Pressure Drop (in Cooling)	kPa	28,7	37,8	32,2	21	33	25
Hydraulic Connections	"	3/4	3/4	3/4	3/4	3/4	3/4
Condensate Drain	mm	20	20	20	20	20	20

## 2-PIPE WALL-MOUNTED FAN COIL UNIT FOR ATW/WTW SYSTEMS

### FCW-P

Cooling/Heating | Auto Restart | Remote Control | Turbo Function  
CE Certification | Large Fan Diameter | Automatic Diagnostics

- **OUTPUTS FROM 6 TO 15 kW**
- **ON/OFF SYSTEM**
- **IDEAL FOR LARGE SPACES**

#### APPLICATIONS

Residential  
Commercial and Tertiary  
Hospitality  
Server Room



**COMPATIBLE WITH** WHP3 and AHP3 series

**WHERE TO INSTALL IT** Recessed Ceiling

### WALL-MOUNTED FAN COIL FOR WHP OR AHP HEAT PUMP FOR WALL INSTALLATION WITH 2 PIPES AND OPTIONAL INFRARED CONTROL

Introducing our Wall-Mounted Fan Coil Units, optimized for 2-pipe hydronic systems and maximizing efficiency with our WHP/AHP heat pumps. With capacities ranging from 2.2 kW to 4.4 kW, these units boast a compact, quiet, and modern design. They are equipped with EC Brushless motors with permanent magnet rotor. The structure is made of ABS cast with high resistance to aging.

- ✓ **Modern and essential design**
- ✓ **Compatible with any type of hydronic heat pump**
- ✓ **Quiet operation**



#### TECHNICAL DATA - FCW-P

Model		FCW-20P	FCW-30P	FCW-40P	FCW-20VP	FCW-30VP	FCW-40VP
<b>Code</b>		<b>160102</b>	<b>160107</b>	<b>160110</b>	<b>160112</b>	<b>160113</b>	<b>160114</b>
Total Cooling Capacity at 7-12°C (max)	kW	2,19	2,86	4,41	2,19	2,86	4,41
Sensible Cooling Capacity at 7-12°C (max)	kW	1,47	1,89	3	1,47	1,89	3
Heating Capacity at 45-40°C (max)	kW	2,75	3,71	5,79	2,75	3,71	5,79
Power Supply	V/Ph/Hz	230-1-50	230-1-50	230-1-50	230-1-50	230-1-50	230-1-50
Airflow Rate (Hi/Med/Lo)	mc/h	360/320/270	560/360/320	850/710/620	360/320/270	560/360/320	850/710/620
Water Flow Rate (in Cooling)	l/h	376	491	756	376	491	756
Pressure Drop (in Cooling)	kPa	9,4	14,2	6,3	9,4	14,2	6,3
Water Flow Rate (in Heating)	l/h	376	491	756	376	491	756
Pressure Drop (in Heating)	kPa	8,2	12,5	15,4	8,2	12,5	15,4
Sound Pressure Level	dB(A)	39	42	49	39	42	49
Dimensions (L×D×H)	mm	850×205×285	850×205×285	970×220×300	850×205×285	850×205×285	970×220×300
Net Weight	kg	11	11	13	11	11	13
Weight with Packaging	kg	12	12	15	12	12	15
Hydraulic Connections	"	44958	44958	44958	44958	44958	44958
Two-Way Valve + Included Bypass		NO	NO	NO	YES	YES	YES

## 4-WAY CASSETTE FAN COIL UNIT FOR ATW/WTW SYSTEMS

FCK

Heating | Cooling | Dehumidification | Ventilation



- OUTPUTS FROM 2 TO 11 kW
- ON/OFF SYSTEM
- IDEAL FOR LARGE SPACES

### APPLICATIONS

Commercial and Tertiary  
Hospitality  
Server Room

COMPATIBLE WITH WHP3 and AHP3 series

WHERE TO INSTALL IT Recessed Ceiling

### CASSETTE FAN COIL FOR WHP OR AHP HEAT PUMP FOR RECESSED CEILING INSTALLATION WITH 2 PIPES AND OPTIONAL WIRED OR INFRARED CONTROL

The 4-Way Cassette Fan Coil is perfect for large areas, combining efficiency and discretion. Installed recessed into the ceiling, it works with hydronic systems and heat pumps, offering capacities from 2 kW to 11 kW. This unit provides heating, cooling, dehumidification, and ventilation for superior comfort. Quiet, with 360° air distribution, it is nearly invisible. It can be controlled via wired or infrared control, making it ideal for those seeking performance without compromising aesthetics.

- ✓ Modern and essential
- ✓ Compatible with any type of hydronic heat pump
- ✓ Quiet operation



ROBUST STRUCTURE



COMPACT SIZE



CONDENSATE PUMP



COVERAGE PANEL



AIR FILTER

### TECHNICAL DATA - FCK

Model		FCK-20	FCK-40	FCK-50	FCK-60	FCK-80	FCK-110
<b>Code</b>		<b>160601</b>	<b>160606</b>	<b>160611</b>	<b>160616</b>	<b>160621</b>	<b>160626</b>
Total Cooling Capacity (12-7°C)	kW	2,45	4,26	5,35	5,91	8,16	10,7
Sensible Cooling Capacity (12-7°C)	kW	2,02	3,19	3,95	4,43	6,08	7,95
Heating Capacity (45-40°C)	kW	2,91	4,59	5,34	5,98	8,74	11,48
Power Supply	V/Ph/Hz	230-1-50	230-1-50	230-1-50	230-1-50	230-1-50	230-1-50
Power Input	W	75,3	98,4	98,4	112,3	98,4x2	112,3x2
Max Current Draw	A	0,36	0,46	0,52	0,58	1,04	1,16
Airflow Rate (Hi/Med/Lo)	m³/h	660/590/525	680/510/455	770/510/455	890/570/455	1280/850/760	1570/1000/800
Sound Power Level (Hi/Med/Lo)	dB(A)	45,3-46,7-49,6	45,3-46,7-55,7	45,2-46,7-58,2	45,2-49,6-60,1	50-53-63	50-56,3-65,1
Unit Dimensions	mm	255×575×575	255×575×575	255×575×575	255×575×575	1193×575×255	1193×575×255
Panel Dimensions	mm	624×624×26	624×624×26	624×624×26	624×624×26	1248×625×26	1248×625×26
Net Weight of Unit Including Panel	kg	24	24,5	24,7	25,2	48	50
Water Flow Rate (in Heating)	l/h	420	733	920	1015	1402	1840
Pressure Drop (in Heating)	kPa	9,5	19	30	36,5	17,4	30
Water Flow Rate (in Cooling)	l/h	420	733	920	1015	1402	1840
Pressure Drop (in Cooling)	kPa	11	22	34,6	42,2	20,1	34,6
Hydraulic Connections	"	3/4M	3/4M	3/4M	3/4M	3/4F	3/4F

# WALL-MOUNTED FAN COIL UNIT FOR WHP OR AHP HEAT PUMP

FCI

Heating | Cooling | Dehumidification | Ventilation

- **OUTPUTS FROM 2 TO 9.6 kW**
- **ON/OFF SYSTEM**
- **LOW NOISE**
- **COMPACT SIZE**

### APPLICATIONS

Residential  
Commercial and Tertiary  
Hospitality  
Server Room



**COMPATIBLE WITH** WHP3 and AHP3 series

**WHERE TO INSTALL IT** Recessed Wall

## WALL-MOUNTED FAN COIL FOR WHP OR AHP HEAT PUMP FOR RECESSED WALL INSTALLATION WITH 2 PIPES AND OPTIONAL WIRED OR INFRARED CONTROL.

The Wall-Recessed Fan Coil is a design gem for ambient comfort, compatible with hydronic systems and suitable for WHP and AHP heat pumps. It offers outputs ranging from 2kW to 9.6kW, with an installation that enhances spaces and minimizes noise. Featuring heating, cooling, dehumidification, and ventilation functions, it can be controlled via wired or infrared remote control. Ideal for environments where style and comfort meet.

- ✓ **Modern and essential**
- ✓ **Compatible with any type of hydronic heat pump**
- ✓ **Quiet operation**



COVERAGE MOBILE



BUILT-IN CONDENSATE PAN



ROBUST STRUCTURE



COMPACT SIZE



AIR FILTER

### TECHNICAL DATA - FCI

Model		FCI-20	FCI-30	FCI-40	FCI-60	FCI-75	FCI-90
Code		160501	160506	160511	160516	160521	160526
Total Cooling Capacity (max)	kW	2	3	4,2	6,4	7,5	9,6
Sensible Cooling Capacity (max)	kW	1,6	2,4	3,4	5,2	6,4	8,2
Heating Capacity (45-40°C)	kW	2,1	3	4,5	6,5	8,4	10,4
Power Supply	V/Ph/Hz	230-1-50	230-1-50	230-1-50	230-1-50	230-1-50	230-1-50
Maximum Airflow Rate	mc/h	360	440	660	1000	1430	1900
Sound Level (Min/Max)	dB(A)	28-38	29-40	30-42	32-43	37-49	38-50
Dimensions (LxDxH)	mm	670x220x520	870x220x520	1070x220x520	1270x220x520	1470x220x520	1670x220x520
Weight (fan coil+plenum+frame+panel)	kg	24,5	30,4	39,5	46,7	52,5	59,3
Water Flow Rate (in Heating)	l/h	373	528	792	1172	1464	1816
Pressure Drop (in Heating)	kPa	14,9	22,7	14,3	21,7	35,9	37,7
Water Flow Rate (in Cooling)	l/h	344	520	732	1105	1296	1652
Pressure Drop (in Cooling)	kPa	16,3	28,2	15,6	24,7	36,1	40
Hydraulic Connections	"	1/2	1/2	1/2	1/2	1/2	1/2
Condensate Drain	mm	20	20	20	20	20	20

## SLIM FLOOR-MOUNTED FAN COIL UNIT FOR ATW/WTW SYSTEMS

FCF

Heating | Cooling | Dehumidification | Ventilation



- **OUTPUTS FROM 1 kW TO 3 kW**
- **SLIM DESIGN**
- **MAXIMUM THICKNESS OF 13 CM**
- **LOW NOISE**

### WHERE TO INSTALL IT

Floor

### APPLICATIONS

Residential  
Commercial and Tertiary  
Hospitality  
Server Room

### COMPATIBLE WITH

WHP3 e AHP3 series

### FLOOR-MOUNTED FAN COIL FOR WHP OR AHP HEAT PUMP FOR WALL INSTALLATION WITH 2 PIPES AND OPTIONAL WIRED OR INFRARED CONTROL

Our Slim Floor-Mounted Fan Coil represents the latest in design and functionality for domestic and professional comfort. Designed for 2-pipe hydronic systems, this device is also compatible with our WHP and AHP heat pumps, offering a versatile solution for heating, cooling, dehumidification, and ventilation. With a power range from 1 kW to 3 kW, it adapts perfectly to different climate control needs.

Its slim design, with a maximum thickness of just 13 cm, makes it ideal for any environment, ensuring a discreet presence without sacrificing performance. Low noise is another strength, ensuring maximum acoustic comfort.

Thanks to the optional wall-mounted or on-board control, the device is intuitive and flexible to manage, allowing easy control of all its functions.

This slim floor-mounted fan coil is the optimal choice for those seeking an efficient, elegant, and space-saving climate control solution.



LOWER AESTHETIC  
IMPACT



COVER  
PANEL



AIR  
FILTER



### ON/OFF SYSTEM

A system that stands out for its direct operation, activating at full capacity to quickly reach the desired temperature and turning off after reaching it. This solution is appreciated for its reliability, ensuring an immediate response to thermal needs, with minimal electronic components optimizing durability and reducing maintenance costs.

- ✓ Modern and essential design
- ✓ Compatible with any type of hydronic heat pump
- ✓ Quiet operation

### TECHNICAL DATA - FCF

Model		FCF-30P	FCF-40P	FCF-50P	FCF-60P
Code		160126	160127	160128	160129
Total Cooling Capacity at 7-12 °C (max)	kW	1,27	2,06	2,73	3,29
Sensible Cooling Capacity at 7-12 °C (max)	kW	0,8	1,33	1,74	2,15
Heating Capacity at 45-40 °C (max)	kW	2,21	3,51	4,72	5,62
Power Supply	V/Ph/Hz	230-1-50	230-1-50	230-1-50	230-1-50
Power Input	W/h	40	50	55	65
Current Draw	A/h	0,15	0,19	0,21	0,25
Airflow Rate (Hi/Med/Lo)	m <sup>3</sup> /h	250/150/90	360/250/150	470/350/130	580/470/230
Water Flow Rate (in Cooling)	l/h	220	350	470	560
Pressure Drop (in Cooling)	kPa	6,3	11,5	16,1	19,7
Water Flow Rate (in Heating)	l/h	220	350	470	560
Pressure Drop (in Heating)	kPa	5,9	10,8	16,3	19,2
Sound Pressure Level	dB(A)	41	42	44	45
Dimensions (L×D×H)	mm	880×580×130	880×580×130	1080×580×130	1080×580×130
Net Weight	kg	18	18	21	21
Weight with Packaging	kg	20	20	23	23
Hydraulic Connections	"	2x1/2F	2x1/2F	2x1/2F	2x1/2F





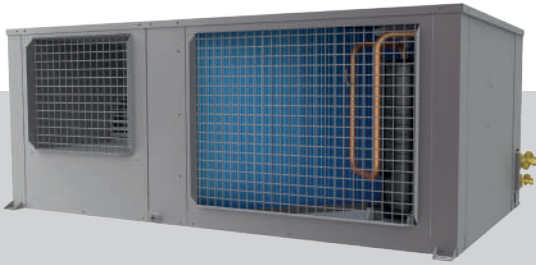


# VRF Systems

## INVISIBLE DUCTED VRF AIR/AIR SYSTEM

### VRFD

Heating | Cooling | Dehumidification | Ventilation



- **OUTPUTS FROM 10 TO 16 kW**
- **R410 GAS**
- **CENTRIFUGAL FAN WITH ADJUSTABLE PRESSURE FROM 0 TO 90 PASCAL**
- **AUTO ADDRESSING OF FAN UNITS**
- **ABILITY TO SET PRIORITY IN OPERATION**
- **SELF-DIAGNOSIS**
- **FORCED COOLING**

#### WHERE TO INSTALL IT

Ceiling  
False ceiling

#### APPLICATIONS

Commercial and Tertiary  
Hospitality  
Server Room

#### COMPATIBLE WITH

VRF Air/Air fan coil units

### INVISIBLE FULL INVERTER DUCTED VRF WITH CENTRIFUGAL FAN AND ADJUSTABLE PRESSURE UP TO 90 PA, GAS R410A

The Invisible Air-to-Air Ducted VRF Heat Pump is an innovative solution for indoor heating, cooling, and dehumidification. Running on R410 refrigerant gas, it integrates seamlessly into the environment thanks to its installation in the ceiling or suspended ceiling, becoming almost invisible.

A revolutionary feature is the centrifugal fan with adjustable pressure, which can adapt from 0 to 90 Pascal, allowing the unit to be installed near exterior walls and corresponding air grilles (supply and re-turn), but also allows installation at distances up to 15 meters.

Its performance ranges from 10 to 16 kW, making it suitable for small offices or large commercial spaces, with energy efficiency and environmental respect.

Advanced features include auto-addressing of fan coil units and self-diagnosis, simplifying installation and maintenance. The self-diagnosis feature identifies malfunctions, reducing downtime.

It offers heating, cooling, dehumidification, and ventilation in a single system, providing complete climate control. Ceiling or suspended ceiling installation optimizes space and enhances aesthetics while maintaining high performance.

In conclusion, the Invisible Air-to-Air Ducted VRF Heat Pump with R410 is ideal for those seeking an efficient and discreet indoor climate control solution, ensuring a comfortable environment year-round.



### FULL INVERTER SYSTEM

This advanced technology allows continuous and variable speed adjustment for both the compressor and fans. The system continuously regulates the compressor speed to adapt to cooling or heating needs, reducing energy consumption and operational costs, minimizing temperature fluctuations, operating quietly, and extending the system's lifespan.



### SUPPORTS UP TO 9 INTERNAL UNITS

This hidden system is ideal for businesses located on the street level, supporting up to nine indoor units. It combines different types of units and capacities to achieve perfect climate control for each space.



### WIDE RANGE OF INTERNAL UNITS AVAILABLE

A choice of two capacities ranging from 2.2 kW to 16.0 kW allows for selecting the best unit for each room.



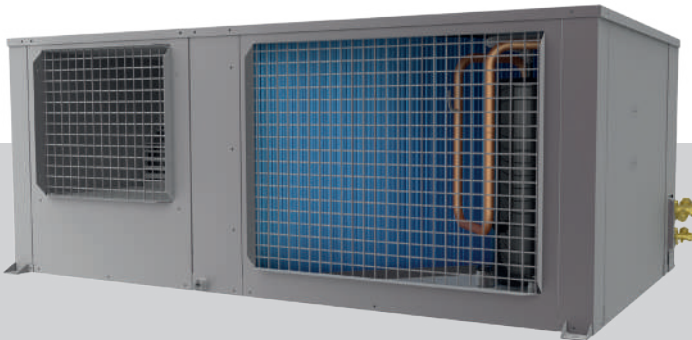
### COMPLIANT WITH URBAN AND CONDOMINIUM REGULATIONS

Thanks to the ducted installation, this system complies with the latest European regulations prohibiting air conditioning equipment on storefront walls. The entire system remains invisible from the out-side, solving planning and design challenges.

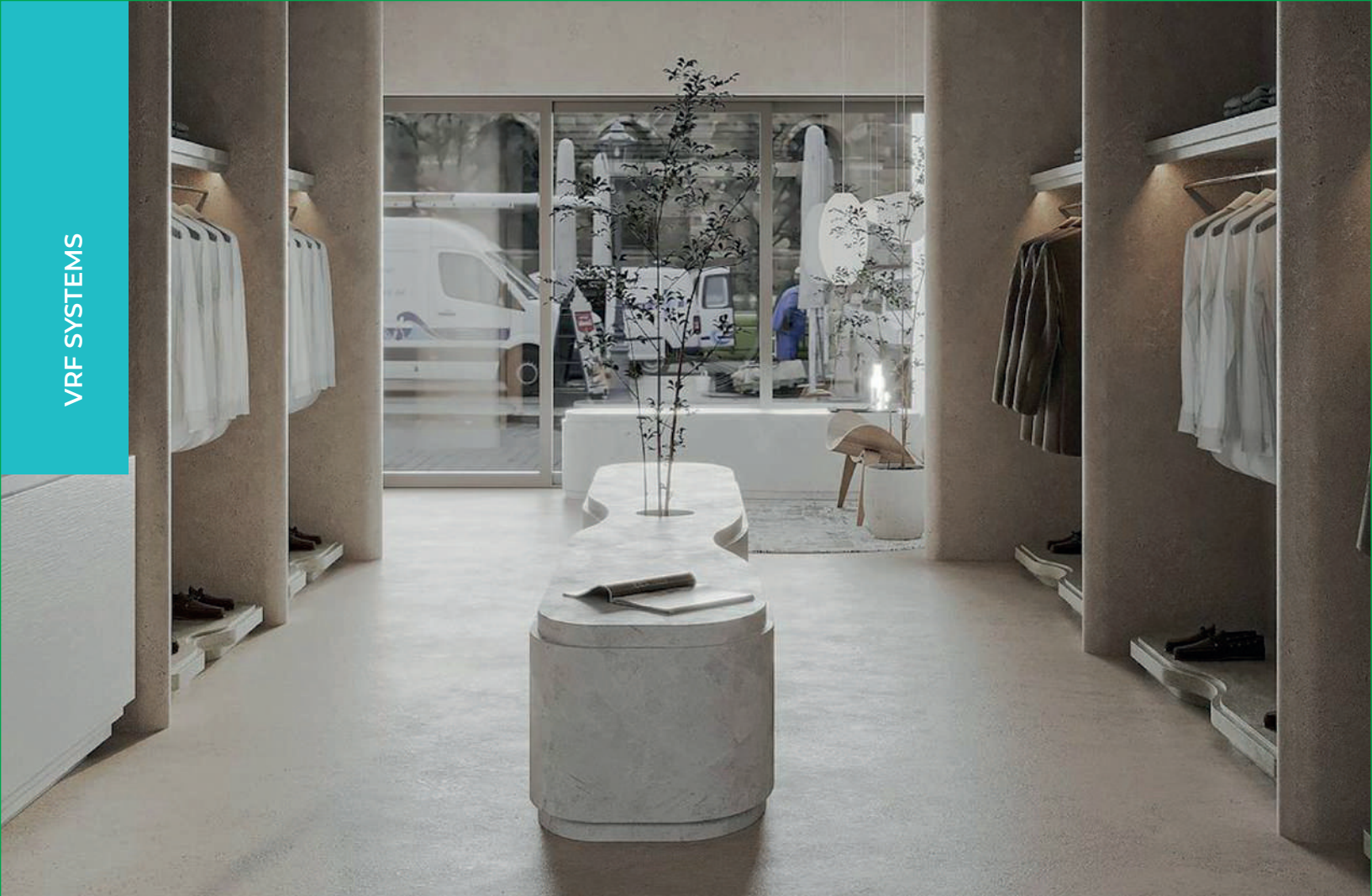


### ENERGY EFFICIENCY

Utilizing Parkair's advanced optimization software, the system automatically controls the flow from the outdoor unit based on the number of indoor units in operation, resulting in significant energy savings.



- ✓ Invisible facade
- ✓ Allows unprecedented installation flexibility
- ✓ Compliance: meets all municipal and condominium regulations
- ✓ Easy installation and maintenance without roof access
- ✓ Independent temperature in each room
- ✓ Simultaneity Factor: 75% - 120%
- ✓ Expels all air wherever installed
- ✓ Noise Level: Low noise at any refrigerant load
- ✓ Interchangeable Grilles: Multiple configurations possible



## TECHNICAL DATA - VRFD

Model		PRK-VRFD-10	PRK-VRFD-14	PRK-VRFD-16
Code		270000	270005	270010
Cooling Capacity	KW	10,00	14,00	16,00
Heating Capacity	KW	11,20	14,90	16,80
SEER	W/W	6,53	6,20	5,92
SCOP	W/W	4,20	3,80	3,70
Operating limits in cooling mode (internal)	°C	16~32	16~32	16~32
Operating limits in Cooling (external)	°C	-5~50	-5~50	-5~50
Heating Operation Limits (indoor)	°C	16~32	16~32	16~32
Operating Limits in Heating (external)	°C	-15~30	-15~30	-15~30
Compressor		DC /Twin-Rotary	DC /Twin-Rotary	DC /Twin-Rotary
Cooling Power Input	KW	4,30	5,00	6,10
Heating Power Input	KW	4,10	4,60	5,30
Cooling Current Input	A	18,60	7,70	9,20
Heating Current Input	A	18,10	7,10	8,10
Intervallo di regolazione Capacità	%	50% - 130%	50% - 130%	50% - 130%
Method of Adjustment		Electric Exp. Valve EEV Valve	Electric Exp. Valve EEV Valve	Electric Exp. Valve EEV Valve
Power Supply	V/Hz/ph	220~240 / 50 / 1	380V-415V/3PH/50HZ	380V-415V/3PH/50HZ
Air Flow Volume	mc/h	3.600	3.600	5.000
Static Pressure	Pa	90	90	90
Air Intake	mm	480×550 (0,27 mq)	480×550 (0,27 mq)	480×550 (0,27 mq)
Exhaust air intake	mm	390×340 (0,14 mq)	390×340 (0,14 mq)	390×340 (0,14 mq)
Refrigerant		R410	R410	R410
Refrigerant Charge	kg	2,6	3,7	3,7
Outer Diameter of Liquid	"	3/8	3/8	3/8
Outer Diameter of Gas	"	5/8	3/4	3/4
Maximum difference piping height	m	5	5	5
Connection Pipe Max. Length Distance (total lenght)	m	100	100	100
Sound Pressure Level	dB(A)	≤ 65	≤ 68	≤ 68
Unit Dimension (L×D×H)	mm	1520×927×584	1516×973×584	1516×973×584
Net Weight	kg	141	172	172

# WALL-MOUNTED FAN COIL UNIT FOR VRF SYSTEMS

VRF-WI

Heating | Cooling | Dehumidification | Ventilation

- CAPACITIES: 3.6 TO 5.6 kW
- REFRIGERANT: R410
- LOW NOISE
- AUTO RESTART
- INTEGRATED EXPANSION VALVE

### APPLICAZIONI

Commercial and Tertiary  
Hospitality  
Server Room



**COMPATIBLE WITH** VRF System

**WHERE TO INSTALL IT** Wall-mounted

## WALL-MOUNTED UNIT COMPLETE WITH INTEGRATED EXPANSION VALVE AND IR REMOTE CONTROL, AUTO-RESTART

The wall-mounted VRF fan coil unit with R410 refrigerant is designed for superior climate control, offering cooling, heating, dehumidification, and ventilation. Compact and quiet, it fits seamlessly into any environment, ensuring acoustic comfort. With capacities from 3.6 to 5.6 kW, it delivers energy efficiency. The unit is equipped with an IR remote control and auto-restart function for simple management and operational continuity. The integrated expansion valve optimizes refrigerant flow, ensuring precise temperature control and enhanced air quality.

- ✓ Auto-Restart
- ✓ Integrated EXV Valve
- ✓ IR Remote Control



DESIGN MODERN AND ESSENTIAL



AIRFLOW DEFLECTORS



SILENT OPERATION



COMPACT SIZE

### TECHNICAL DATA - VRF-WI

Modello		VRF-WI-36C	VRF-WI-56C
Codice		266100	266105
Cooling Capacity	kW	3,60	5,60
Heating Capacity	kW	4,00	6,20
Power Supply	V/Hz/Ph	220~240/50/1	220~240/50/1
Power Input	W	60	60
Air Flow Volume	m <sup>3</sup> /h	600	920
Refrigerant		R410	R410
Outer Diameter of Liquid	inch	1/4	1/4
Outer Diameter of Gas	mm	1/2	1/2
Sound Pressure Level	dB (A)	24~33	35~43
Unit Dimension (L×D×H)	mm	900×282×205	1080×304×221
Net Weight	kg	12	16

## DUCTED FAN COIL UNIT FOR VRF SYSTEMS

### VRF-DI

Heating | Cooling | Dehumidification | Ventilation



- OUTPUTS FROM 3.6 TO 7.1 kW
- GAS R410
- LOW PROFILE BODY
- LOW NOISE
- AUTO RESTART
- INTEGRATED EXPANSION VALVE

#### APPLICAZIONI

Commercial and Tertiary  
Hospitality  
Server Room

**COMPATIBLE WITH** VRF System

**WHERE TO INSTALL IT** Incasso a soffitto

### DUCTED FAN COIL UNIT WITH MEDIUM STATIC PRESSURE COMPLETE WITH INTEGRATED EXPANSION VALVE AND WIRED CONTROL

The ducted VRF fan coil unit with R410 is perfect for spaces that require non-invasive climate control. Its compact design fits in tight spaces, making it optimal for offices and shops. The unit provides heating, cooling, dehumidification, and ventilation, with capacities ranging from 3.6 to 7.1 kW, adaptable to different seasons. Equipped with an integrated expansion valve and wired remote control, it ensures precise climate regulation with low noise levels and an auto-restart function after power outages, providing constant comfort without visual impact.

- ✓ Modern design
- ✓ Low noise
- ✓ Compact size
- ✓ Auto restart
- ✓ Integrated EXV valve
- ✓ Wired control



#### TECHNICAL DATA - VRF-DI

Model		VRF-DI-36C	VRF-DI-56C	VRF-DI-71C
Code		266300	266305	266310
Cooling Capacity	kW	3,6	5,6	7,1
Heating Capacity	kW	4	6,3	7,8
Power Supply	V/Hz/Ph	220~240/50/1	220~240/50/1	220~240/50/1
Power Input	W	70	90	340
Air Flow Volume	m <sup>3</sup> /h	550	900	1.500
Static pressure	Pa	30	30	150
Refrigerant		R410	R410	R410
Outer Diameter of Liquid	inch	1/4	1/4	3/8
Outer Diameter of Gas	mm	1/2	1/2	5/8
Drainage pipe	mm	25	25	25
Sound Pressure Level	dB (A)	25-32	27-38	40~42
Unit Dimension (L×D×H)	mm	700×210×467	900×210×467	1445×260×680
Net Weight	kg	16	19	46

## 4-WAY CASSETTE FAN COIL UNIT FOR VRF SYSTEMS

VRF-KI

Heating | Cooling | Dehumidification | Ventilation

- OUTPUTS FROM 3.6 TO 5.6 kW
- GAS R410
- 4-WAY AIRFLOW PANEL
- SLIM DESIGN
- INTEGRATED EXPANSION VALVE
- CONDENSATE PUMP

### APPLICAZIONI

Commerciale e Terziario  
Hospitality  
Server Room

**COMPATIBLE WITH** VRF System

**WHERE TO INSTALL IT** Incasso a soffitto



### 4-WAY CASSETTE FAN COIL UNIT, COMPACT, INTEGRATED EXPANSION VALVE, CONDENSATE PUMP, AND IR REMOTE CONTROL

The slim and compact VRF R410 Fan Coil Unit adapts perfectly to false ceilings, ensuring optimal climate control with minimal visual impact. With compact yet powerful performance, offering variable capacities from 3.6 to 5.6 kW, it is suitable for offices and large rooms. It provides heating, cooling, dehumidification, and ventilation for optimal comfort. Equipped with an expansion valve and condensate drain pump, it improves energy efficiency and maintenance. The IR remote control ensures intuitive operation. This quiet and efficient unit integrates both design and functionality, ideal for maintaining a healthy environment while preserving aesthetics.

- ✓ Modern design
- ✓ Low noise
- ✓ Auto restart
- ✓ Integrated EXV valve
- ✓ IR Remote Control



COVER  
PANEL



ROBUST  
STRUCTURE



CONDENSATE  
PUMP

### TECHNICAL DATA - VRF-KI

Model		VRF-KI4V-36C	VRF-KI4V-56C
Code		266200	266205
Cooling Capacity	kW	3,60	5,60
Heating Capacity	kW	4,00	6,30
Power Supply	V/Hz/Ph	220~240/50/1	220~240/50/1
Power Input	W	60	54
Air Flow Volume	m <sup>3</sup> /h	600	810
Refrigerant		R410	R410
Outer Diameter of Liquid	inch	1/4	3/8
Outer Diameter of Gas	mm	1/2	5/8
Drainage pipe	mm	25	25
Sound Pressure Level	dB(A)	35~38	35~39
Unit Dimension (L×D×H)	mm	633×275×580	833×232×900
Net Weight	kg	23	24

# INDEX OF ICONS



**FULL INVERTER**

Advanced technology that allows continuous and variable regulation of compressor and fan speed. The system continuously adjusts the compressor speed to meet cooling or heating needs. It reduces energy consumption and operating costs, minimizes temperature fluctuations, operates quietly, and extends system life.



**H2O INVERTER**

The system features an Inverter compressor and H2O Inverter technology, which dynamically modulates both the air and water flow, optimizing energy efficiency. This integration ensures precise temperature management, maximum comfort, reduced energy consumption, and a lower environmental impact, with quiet and long-lasting performance.



**ON/OFF SYSTEM**

This system stands out for its direct operation, activating at full capacity to quickly reach the desired temperature and shutting off once achieved. This reliable solution provides an immediate response to thermal needs, with minimal electronic components, optimizing durability and reducing maintenance costs.



**AIR FILTER**

The unit is equipped with an easily removable filter with anti-mold treatment, ensuring clean air delivery for a long duration.



**MODERN AND ESSENTIAL DESIGN**

An elegant, low environmental impact design that can be easily integrated into any type of decor. Built with new-generation materials and high-quality components.



**LOWER AESTHETIC IMPACT**

The system, with its innovative design, minimizes aesthetic impact and integrates seamlessly into any environment. It offers high performance and discretion, ideal for those seeking efficiency without sacrificing style and harmony in living or working spaces.



**SLEEP CARE FUNCTION**

An advanced night technology automatically adjusts the ambient temperature, increasing the setpoint by 0.5/1.0°C every hour during the night. This function ensures a significant improvement in sleep quality.



**SILENT OPERATION**

Thanks to its quiet operation, the unit will distribute air in the environment almost imperceptibly, emitting minimal noise.



**HIGH OUTPUT AND LOW NOISE**

The particular structure of the fan increases output and air volumes while reducing noise levels.



**WI-FI CONNECTED**

Thanks to its quiet operation, the unit will distribute air in the environment almost imperceptibly, emitting a minimum noise level of 30 dB(A).



**BY-PASS**

The unit offers a By-Pass option for air intake (bottom or rear), providing greater flexibility in design and installation.



**COMPACT SIZE**

The unit is extremely compact, allowing installations in rooms with minimal wall or ceiling space.



**EASY INSTALLATION**

Front and side inspection panels provide easy access to internal components, simplifying installation and any subsequent interventions.



**PLUG & PLAY SYSTEM**

Quick and easy installation. This turnkey solution reduces activation times and simplifies commissioning, ensuring immediate start-up without requiring F-Gas certification.



**FLEXIBLE INSTALLATION**

Thanks to the hermetic condensate pan, both horizontal and vertical installations are possible, offering various combinations and applications.





**CONDENSATE COLLECTION PAN**

Double-inclined condensate collection pan ensures optimal condensate drainage.



**ROBUST STRUCTURE**

Robust structure made of thick galvanized sheet metal with internal thermoacoustic insulation, suitable for false ceilings.



**ENERGY EFFICIENCY**

Using Parkair's advanced optimization software, the system automatically controls the flow from the external unit based on the number of internal units in operation, resulting in significant energy savings.



**UP TO 5 INTERNAL UNITS**

Ideal for high-traffic businesses, this hidden system supports up to five internal units. It combines various types of units and outputs to achieve perfect climate control for any space.



**UP TO 9 INTERNAL UNITS**

Ideal for high-traffic businesses, this hidden system supports up to nine internal units. It combines various types of units and outputs to achieve perfect climate control for any space.



**COMPLIANT WITH URBAN AND CONDOMINIUM REGULATIONS**

The concealed installation of air conditioning systems, hidden on non-street-facing walls, complies with European regulations, improving urban aesthetics without sacrificing functionality. A perfect solution to overcome design and planning challenges.



**CONDENSATE PUMP**

Centrifugal-type condensate pump, equipped with a non-return valve on the discharge to avoid continuous On/Off cycles.



**COVER PANEL**

Refined, modern, and elegant cover panel with rounded and harmonious shapes that fit seamlessly into any environment. Resistant to rust, corrosion, and environmental agents. Very compact dimensions.



**FIXING TEMPLATE**

Fixing template made of thick galvanized sheet metal with holes for wall mounting.



**COVER PANEL**

Innovative design built from ABS, resistant to rust, corrosion, and environmental agents.



**AIR OUTLET DEFLECTORS**

The unit's power-on and power-off automatically operate the opening and closing of the louvers. The air-flow is manually adjustable left/right, while the up/down and horizontal oscillation of the deflector is automatic.



**ELECTRONIC BOARD**

The electronic board is electrically and thermally insulated.



**WIDE RANGE OF INTERNAL UNITS AVAILABLE**

A choice of two capacities ranging from 2.2 to 16.0 kW means you can select the best unit for each environment.



**HIGH STATIC PRESSURE**

High static pressure motors ensure greater airflow, allowing for longer and more complex ducting.



**COLD PLASMA**

Generates negative and positive ions that interact with bacteria, viruses, dust, and odours in the air, neutralizing them and significantly improving air quality. Effective, safe, and low-maintenance technology for air conditioners.

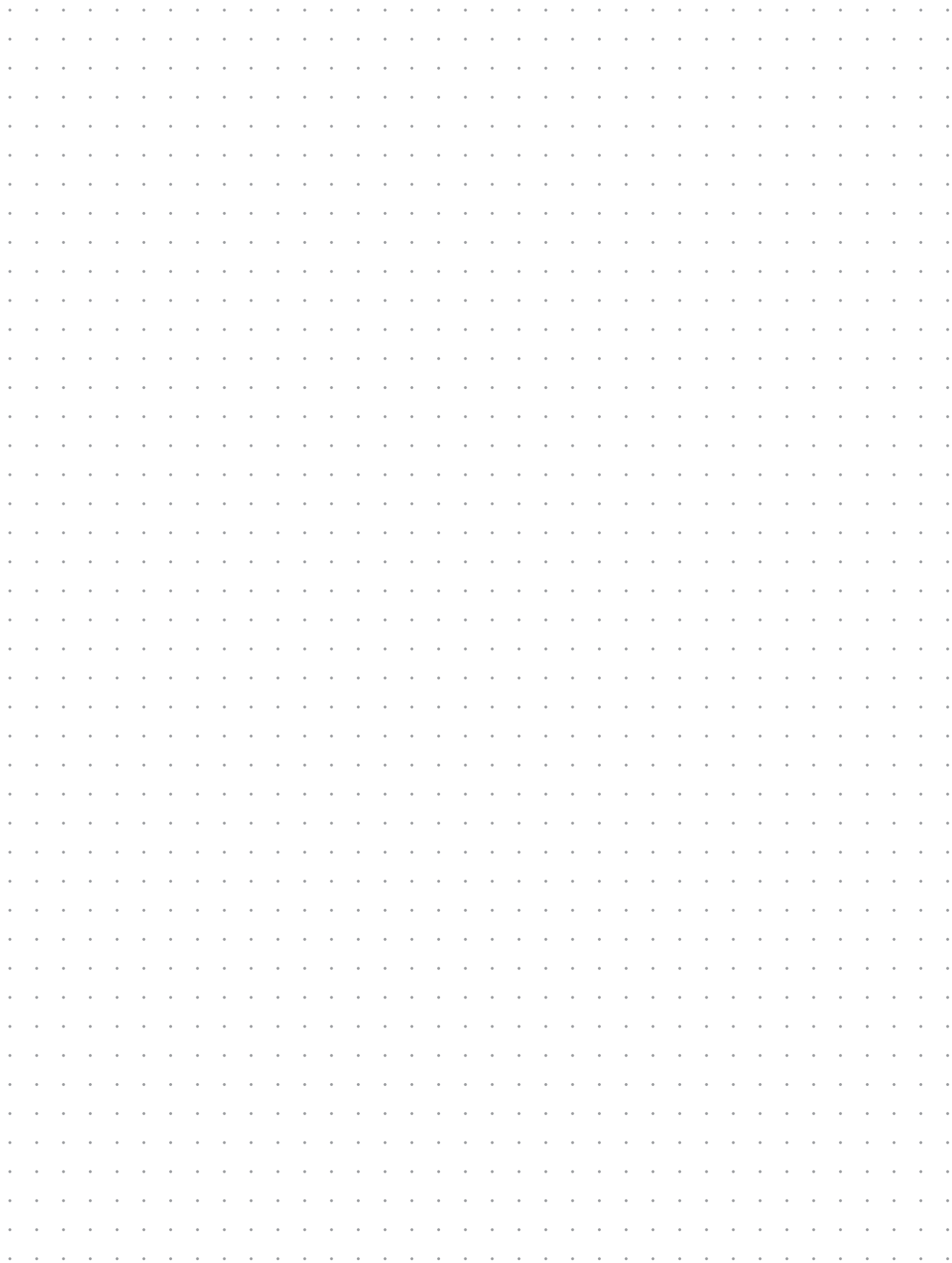


**HEALTHY FILTER**

Advanced filter for air conditioners that removes dust, allergens, bacteria, viruses, and unpleasant odours from the air, improving indoor air quality and offering simple maintenance thanks to its washable and reusable capability.

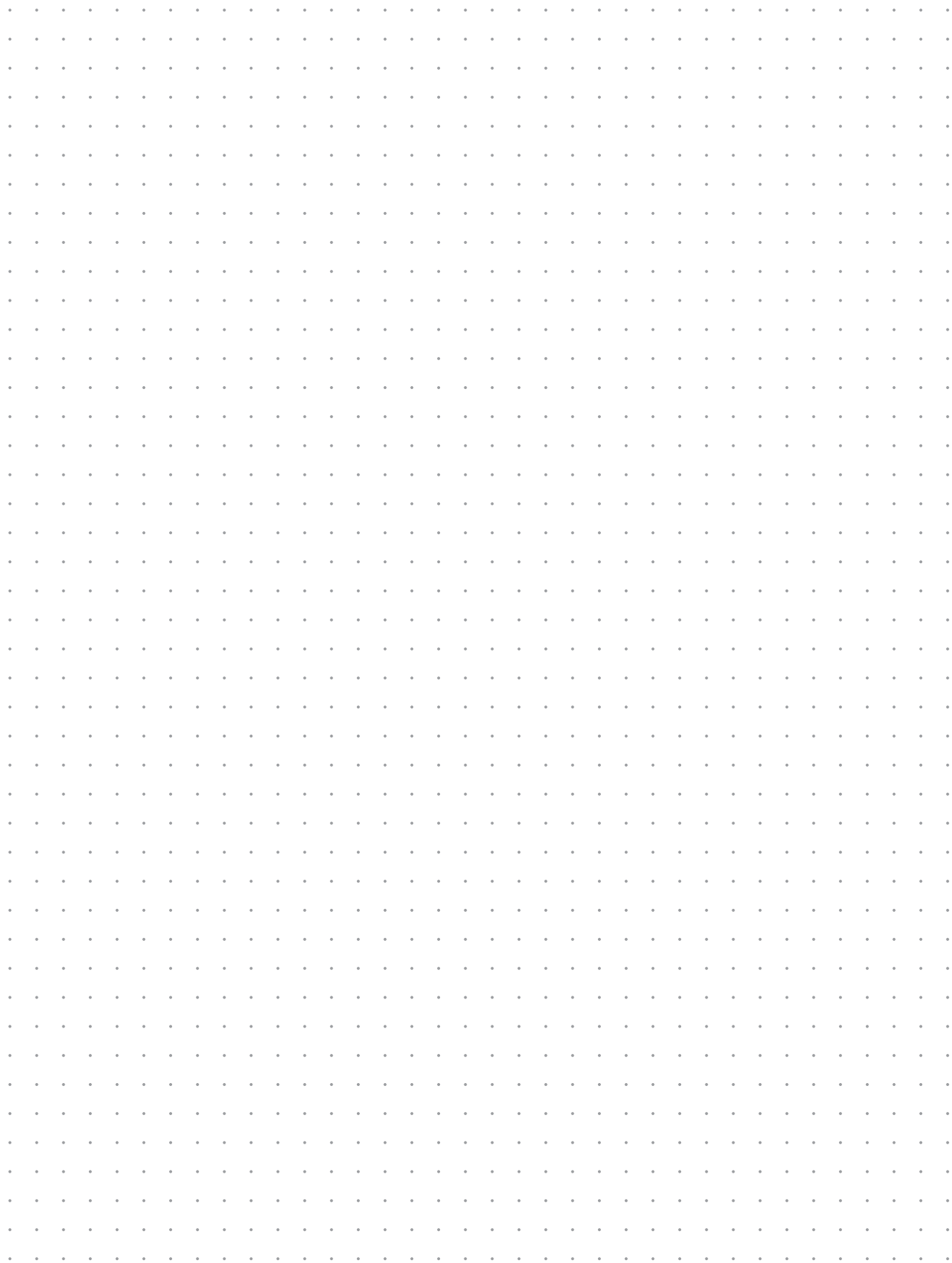
# NOTES

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# NOTES

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**parkair**  
energy solutions



**\*THE AIR CONDITIONING  
WITHOUT UNITS  
EXTERNAL**





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