VRV

Maximum flexibility, minimum concern; As it should be.

Building a sustainable legacy together

Air surrounds us all the time, and in fact our very existence depends on it. At Daikin, the future of the world's indoor air is our greatest concern.

Daikin envisions a world with healthier indoor air while reducing our environmental impact. Driven by a dedication to achieve net zero CO_2 emissions by 2050, we provide **safe, healthy and comfortable spaces** throughout the building life cycle using w**orld-leading technology**.

Building on our **long-term partnerships**, let's build together now to achieve our goals, protecting the health and wellbeing of every individual.

Leading in decarbonization

We must act now to ensure we create a long-lasting legacy. As a true sustainability champion, we help to **decarbonize** buildings and create a **healthy** environment for generations to come.

Taking on the responsibility of leading the sustainable transformation, our solutions greatly reduce the CO2 footprint of buildings, whether they are new builds or renovations:

- Reducing CO2 equivalents through **lower GWP refrigerants** such as R-32
- Maximizing sustainability over the entire life cycle, thanks to market-leading **real life seasonal efficiencies**
- Ensuring systems run efficiently 24/7 through **smart controls**
- **Safeguarding natural resources** - by reusing existing refrigerant through **L∞P Daikin**, turning waste into an asset

Building for the future

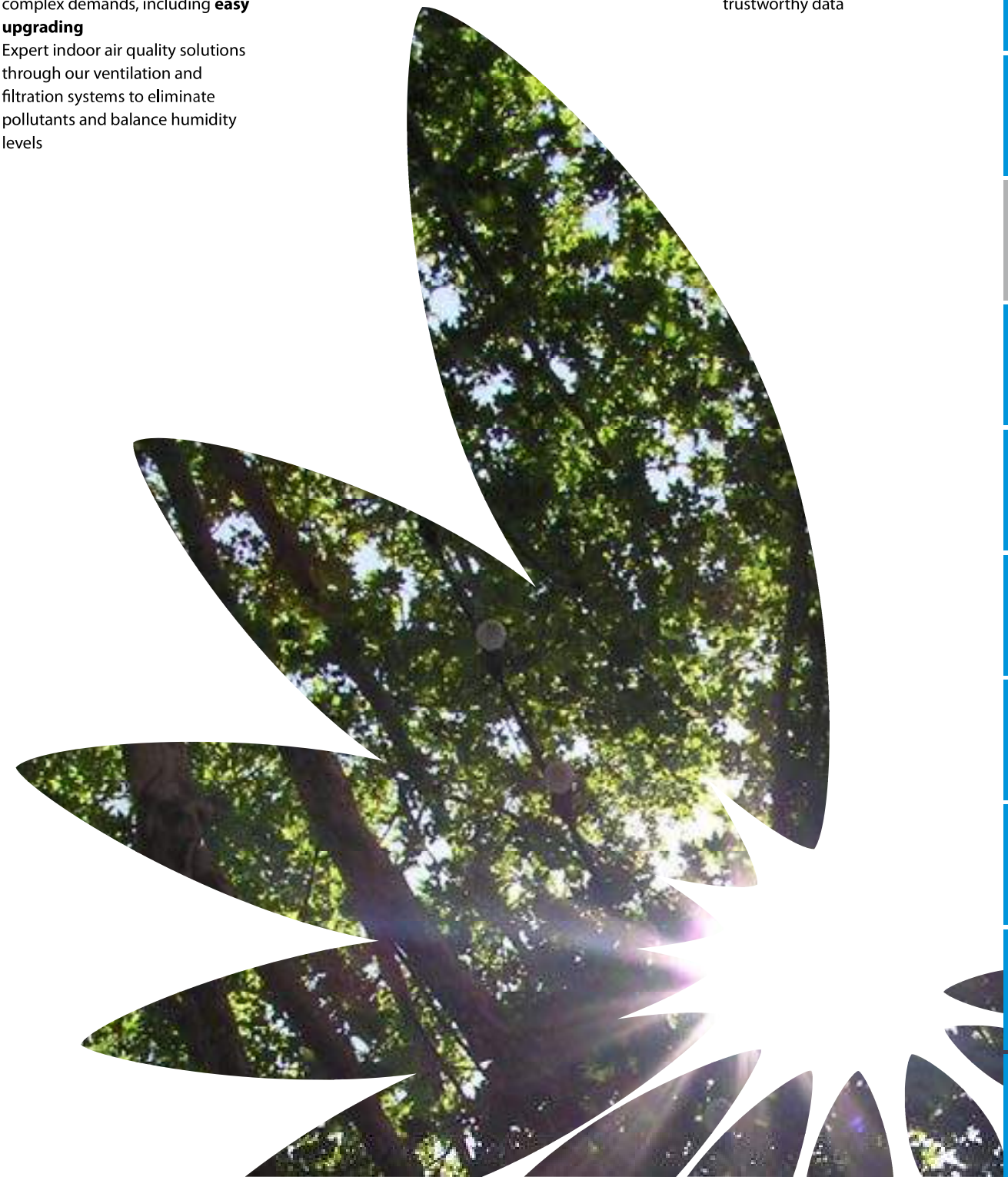
As market leaders in total solutions, we are constantly innovating to offer you a **comfortable, healthy and safe** environment, meeting your needs. Reliability, support and precision are characteristics of our future-proof products and services. We offer:

- The **widest range** of next-generation heat pumps to meet complex demands, including **easy upgrading**
- Expert indoor air quality solutions through our ventilation and filtration systems to eliminate pollutants and balance humidity levels

A journey we take together

Together we take on the sustainability journey. We provide expert **support** throughout the building life cycle and give **peace of mind** by ensuring what we do is **future-proof** and is helping to build a better future.

- Our team of **experts**, go beyond product support. Together we reach your green objectives.
- We are there for you, **all the time**: via our local customer support teams and e-commerce solutions.
- We take our **responsibility** towards you seriously - and we're in it for the **long term**. We deliver what we commit to and will never overpromise, providing clear and trustworthy data



9 reasons why VRV is unique in the market

1 Leader in sustainability

NEW
- VRV 5: Completely new and dedicated R-32 VRV design
  - Less refrigerant charge
  - Higher efficiency
  - Lower CO_2 equivalent
- L∞P by Daikin: the creation of a circular economy of refrigerants
  - Saves over 250,000 kgs of virgin refrigerant being produced every year
  - For all VRV units produced and sold in Europe*

* EU member states, UK, Bosnia-Herzegovina, Serbia, Montenegro, Kosovo, Albania, North Macedonia, Iceland, Norway, Switzerland

VRV 5 BLUEVOLUTION

CO_2

LOOP BY DAIKIN

2 Efficiency

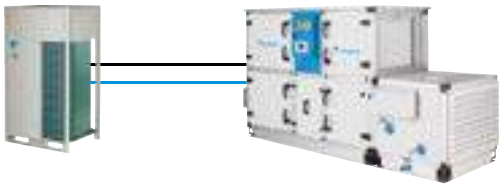
- Variable Refrigerant Temperature for high seasonal efficiency
- Round flow cassette and concealed ceiling units with auto cleaning filter
- The best partner for your BREEAM, LEED or Well project

BREEAM®

ErP 2021 COMPLIANT

3 Comfort

- Provide high Indoor Air Quality though seamless integration of AHU's (For VRV IV models)
- Variable Refrigerant Temperature preventing cold draughts in cooling thanks to high outblow temperatures
- True continuous heating during defrost
- Presence and floor sensors direct the air flow away from persons, while ensuring an even temperature distribution
- Auto cleaning filters to ensure optimum air quality



4 Reliability

- Refrigerant cooled PCB
- Most extensive testing before new units leave the factory
- Widest sales network with all spare parts available in Europe
- Preventive maintenance via Daikin Cloud Service
- Auto cleaning filters to further enhance reliability thanks to clean air-filters
- True technical cooling

5 Design

› Widest ever range of cassette panels
  • Available in **white and black**
  • Sleek **designer panel** range
› Daikin Emura, unique iconic design
› Fully flat cassette, fully integrated in the ceiling



6 Controls

NEW › Voice control via Amazon Alexa and Google Assistant through BRP069C51 Onecta app (For VRV 5 models)
› Madoka: a sleek wired remote controller with intuitive touch button control
› Intelligent Touch manager: A cost-effective mini BMS integrating all Daikin products
› Easy integration in third party BMS via BACnet, LonWorks, Modbus, KNX
› Dedicated control solutions for applications such as technical cooling, shops, hotels, ...
› Daikin Cloud Service for online control, energy monitoring, comparison of multiple sites and predictive maintenance

7 Installation

› Automatic refrigerant charge and refrigerant containment check
› Unique 4-way blow ceiling suspended cassette (FXUQ)
› Plug & play Daikin Air Handling Unit
› VRV configurator software for the fastest commissioning, configuration and customisation
› Outdoor unit display for quick on-site settings and detailed error readouts for improved customer support


7-segment display

8 Inventor of VRV with nearly 40 years of history

› Market leader of VRV systems since 1982
› Over 90 years of expertise in heat pump technology
› Designed for and produced in Europe
› Innovator setting the market standard with technologies such as Variable Refrigerant Temperature, continuous heating, Shîrudo technology, ...

VRV

Variable Refrigerant Temperature

9 For every application a solution

› Heat recovery for simultaneous cooling and heating
› Maximum flexibility for geothermal applications with water-cooled systems
› Hot and cold climate solutions offering efficient cooling up to 52°C and heating down to -25°C
› Space saving mini VRV solutions, offering the most compact VRV
› The invisible VRV, a unique solution when the outdoor unit must be compact and completely invisible
› Replacement solutions to replace existing systems in the most cost-effective way

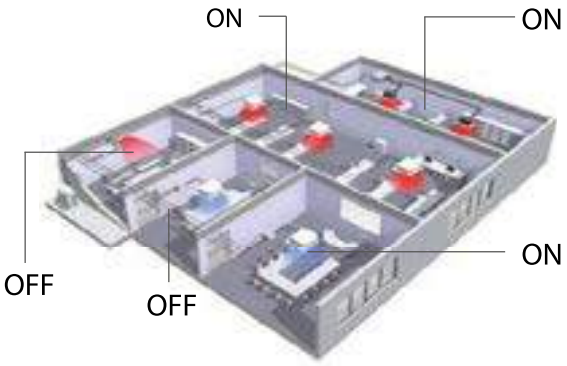
The VRV air conditioning system is the world's first individual air conditioning system with variable refrigerant flow control and was commercialised by Daikin in 1982. VRV is the trademark of Daikin Industries Ltd, which is derived from the technology we call "variable refrigerant volume". BREEAM is a registered trademark of BRE (the Building Research Establishment Ltd. Community Trade Mark E5778551). The BREEAM marks, logos and symbols are the Copyright of BRE and are reproduced by permission

But VRV is more…
standard VRV features

Low running costs

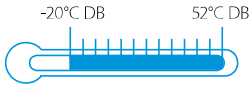
ALL INVERTER

› Precise zone control
› All inverter compressors
› Running costs of a water-based fan coil unit can be 40 to 72% higher compared to a VRV heat recovery system



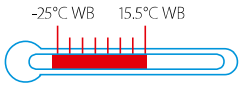
Great design flexibility

› Solutions for every climate, from -25 to +52°C



Cooling mode

multi tenant



Heating mode

max. 398kg for a 20HP unit

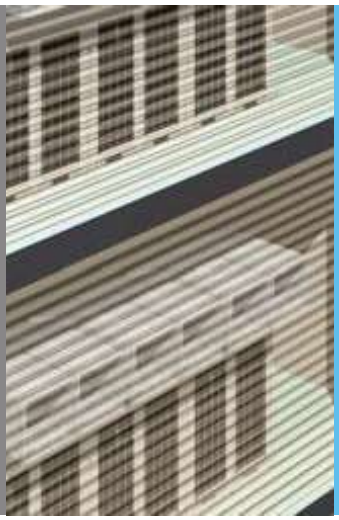
› Long refrigerant piping
› Zone by zone phased installation
› Outdoor units can be installed indoors
› Use one outdoor unit for multiple tenants

› Compact units require up to 29% less space than traditional water based systems, offering more lettable space and avoiding the need for structural reinforcement

Reliable

› Special anti corrosion treatment of the heat exchanger provides 5 to 6 times greater resistance against corrosion
› Duty cycling extends operation life
› Sequential start
› Only brazed connections

indoor installation of outdoor units

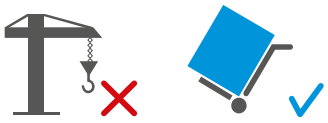


3 options:

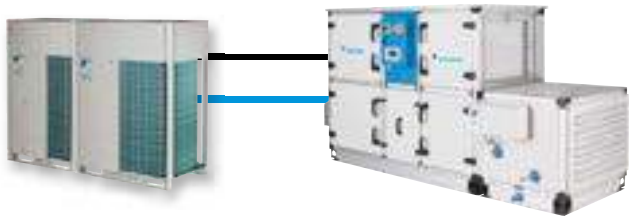
› ESP up to 78pa for standard air-cooled outdoor units
› VRV IV i-series air cooled heat pump for indoor installation
› VRV IV W-series water cooled unit for indoor installation

Easy installation and servicing

› Automatic testing and refrigerant charging (For VRV IV models)
› Easy servicing and F-gas compliance with remote refrigerant containment check
› VRV configurator software
› Compact unit design



› Daikin unified REFNET piping
› Easy wiring
› Plug & play connection for VRV to Daikin Air Handling Units, the easiest solution with only one point of contact



High comfort levels

› Individual control and simultaneous cooling and heating for perfect personal environment
› Night quiet mode on outdoor units to ensure low outdoor operation sound
› Back-up function
› Low indoor sound levels down to 19 dBA

Simultaneous cooling and heating with heat recovery systems

DAIKIN emura

19 dB(A)

FULLY FLAT CASSETTE

25.5 dB(A)

› CO_2 sensor in combination with Daikin ventilation (VAM, VKM , Modular L Smart) units ensures fresh air, while preventing energy losses from over-ventilation

VRV total solution

Typically, many buildings today rely on several separate systems for heating, cooling, air curtain heating and hot water. As a result energy is wasted. To provide a much more efficient alternative, VRV technology has been developed into

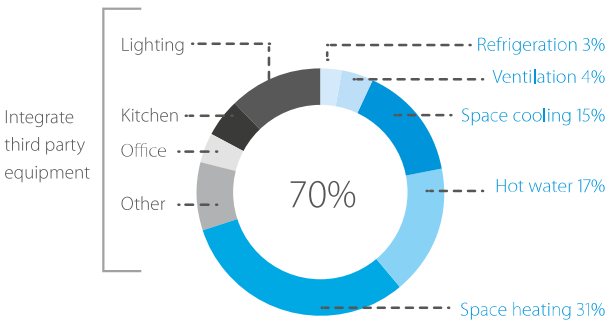
a total solution managing up to

70%

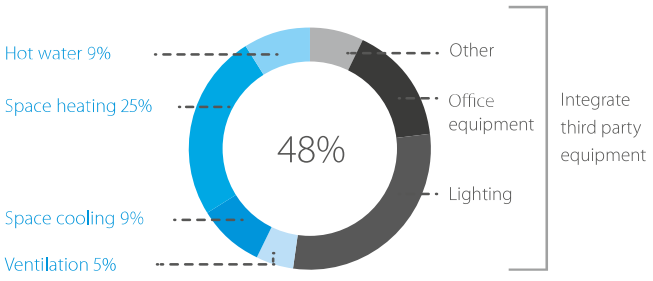
of a buildings energy consumption giving large potential to cost saving.

- **Heating and cooling** for year round comfort
- **Hot water** for efficient production of hot water
- **Underfloor heating /cooling** for efficient space heating/cooling
- **Fresh air ventilation** for high quality environments
- **Air curtains** for optimum air separation
- **Controls** for maximum operating efficiency
- **Cooling** for server rooms, telecom shelters, ... via VRV heat recovery or Sky Air units
- **Refrigeration** via our VRV based refrigeration units

Average hotel energy consumption



Average office energy consumption



Offices
Efficiency in the workplace

"Leading edge design in harmony with the construction and interior design."

Architect

Hotel
Hospitality with economy

"With Daikin we could perfectly combine the authenticity of the hotel with the latest technology and comfort."

Owner of a 5-star hotel

Shops
reducing retail costs

"Together with Daikin's technical team we have optimised the design of our HVAC system, reducing investment levels and operational costs. Daikin has offered us access to the most up to date technology."

Retail shop representative

Residential
there is no place like home

"A cost effective, low energy consumption heat pump system for home owners, offering maximum comfort"

VRV 5 outdoor unit overview

Capacity class (kW)

Model		Product name		4	5	6	8	10	12	14	16	18	20	22	24	26	28	VRV indoor units	Residential indoor units	Hydrobox	HRV units VAM	HRV units EKVDX	AHU connection	Air curtains	Remarks
Air-cooled heat recovery	NEW & UNIQUE VRV 5 heat recovery › Reduced CO_2 equivalent thanks to the use of lower GWP refrigerant R-32 › Top sustainability over the entire lifecycle › 'Free' heating through heat recovery › Tackle small room applications thanks to Shirudo technology › The perfect personal comfort thanks to simultaneous cooling and heating	REYA-A					●	●	●	●	●	●	●	●	●	●	●	○			○	○			
Air – cooled heat pump	UNIQUE VRV 5 S-series › Reduced CO_2 equivalent thanks to the use of lower GWP refrigerant R-32 › Top sustainability over the entire lifecycle › Unique low -height single fan range › Tackle small room applications thanks to Shirudo technology	RXYSA-AV1 / AY1		1~	●	●	●											○			○	○			› Standard total system connection ratio limit: 50 ~ 130%
				3~	●	●	●											○			○	○			› Standard total system connection ratio limit: 50 ~ 130%

● Single unit, ● Multi combination

-10dB(A)!

Sound enclosure for VRV5 S-series

- ☑ Specially designed for VRV 5
- ☑ Fully optimized and tested in Daikin Factory
- ☑ Outdoor unit sound reduction up to -10 dB(A) on Sound Power values
- ☑ Very low capacity and pressure drop
- ☑ Fast & easy installation & servicing

Branch selector (BS box) overview

Capacity class (kW)

Model		Product name	4	6	8	10	12
Multi port BS box	› Unique range of Branch Selector boxes integrating Shirudo Technology	BS-A14AV1B	●	●	●	●	●

Taking care

of every room in your building

With Shirudo technology your VRV 5 system takes are of any room down to 7 m^2, without the need for complicated, time consuming calculations or additional field supplied measures, resulting in additional costs.

With all measures factory-integrated, VRV 5 is the most flexible and quick to design system, fully compliant to the latest product standards.

Maximum flexibility out of the box

› Install in rooms down to 7 m^2 (1).
› Flexible design as any other VRV system.
› WebXpress selection software ensures a quick and compliant selection to the latest product standards.

All refrigerant control measures factory-integrated

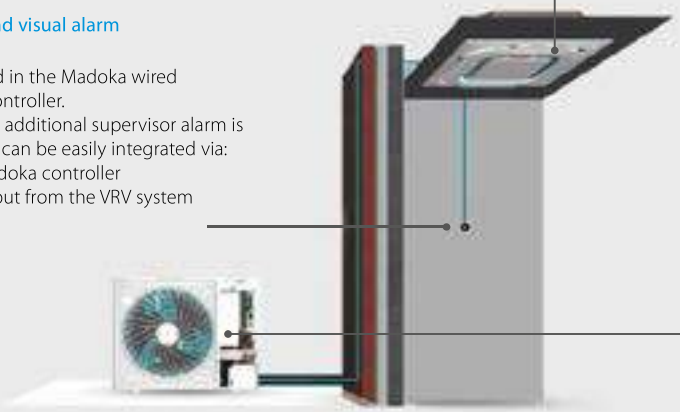
Shîrudo technology includes 2 factory measures and sensors built into a VRV 5 system.

Example for VRV5 S-series

Integrated sensors to detect refrigerant leak.
Leak detection activates:

1 Audible and visual alarm

› Integrated in the Madoka wired remote controller.
› In case an additional supervisor alarm is needed it can be easily integrated via:
  › The Madoka controller
  › An output from the VRV system



2 Refrigerant recovery and shut-off valves

› Refrigerant is automatically recovered.
› After recovery, shut-off valves close and the refrigerant is safely contained.

Compliance taken care of

› No study or calculations needed, where and how to install outdoor or indoor units.
› No need for studies to decide if and what safety measures are required
› No need for additional field supplied measures, potentially requiring annual maintenance.
› Third party CB certified by a Notified Body (SGS CEBEC).

No liability is transferred to consultant or installer side!

Automatic, real time leak detection and refrigerant containment controls

› No leak check requirement for majority of VRV 5 S-series installations (up to 7,4 kg of refrigerant charge) according to Fgas (EN517:2014).
› Fully compliant to product standard (IEC60335-2-40), reducing the risk of direct CO_2 eq. impact from a refrigerant leak.
› CReal time leak detection sensors, triggering refrigerant containment measures and safeties, in the unlike event of a leakage.

Check here how flexible the VRV 5 is!

Scan or click

Leading in decarbonising the HVAC industry

VRV 5 BLUEVOLUTION

Meet the sustainability champion!

Launching the VRV 5 heat recovery – REYA-A

Greatly reducing the CO_2 footprint of buildings

› Lower GWP R-32 refrigerant
› Market-leading, real life seasonal efficiency
› Highly efficient 3-pipe heat recovery

Maximum design flexibility

› Installation in rooms down to 10 m² without any additional measures thanks to **Shîrudo technology**
› Easy to select thanks to VRV Xpress floorplan support

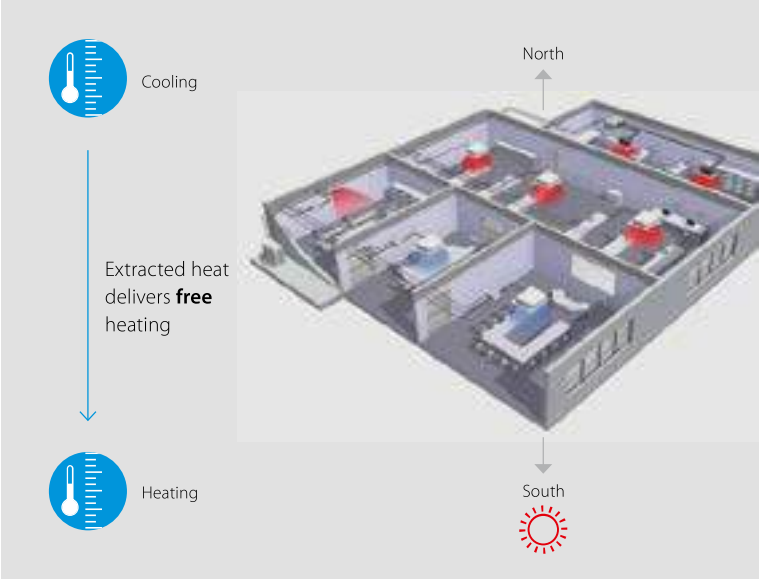
Market-leading portfolio

› Wide range of dedicated R-32 indoor units
› Control IAQ with integration of ventilation units

Advantages
of 3-pipe technology

"Free" heat production

An integrated heat recovery system reuses heat from offices, server rooms, to warm other areas.



Maximum comfort

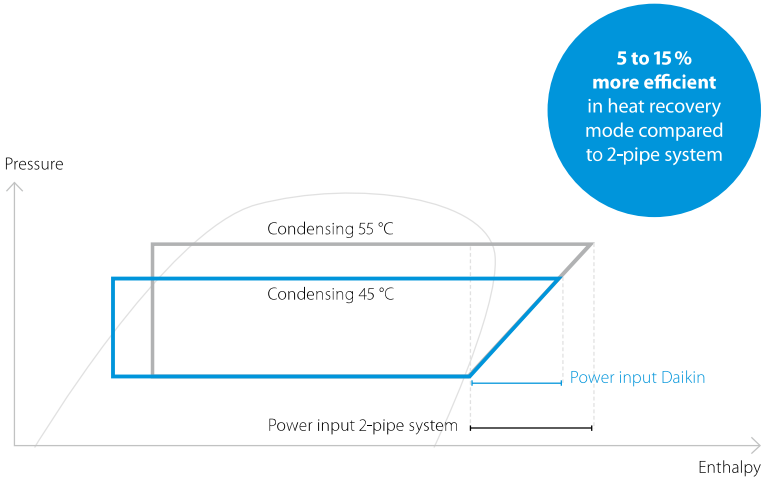
A VRV heat recovery system allows simultaneous cooling and heating.

› For hotel owners, this means a perfect environment for guests as they can freely choose between cooling or heating.
› For offices, it means a perfect working indoor climate for both north and south-facing offices.

More "free" heat

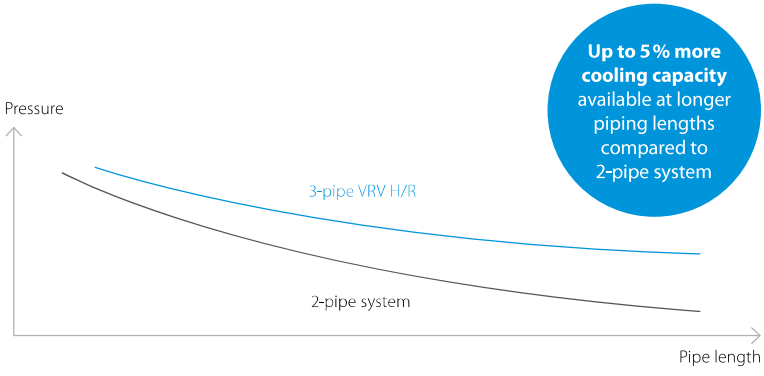
Daikin 3-pipe technology needs less energy to recover heat, meaning significantly higher efficiency during heat recovery mode. Our system can recover heat at a low condensing temperature because it has dedicated gas, liquid and discharge pipes.

In a 2-pipe system, gas and liquid travel as a mixture so the condensing temperature needs to be higher in order to separate the mixed gas and liquid refrigerant. The higher condensing temperature means more energy is used to recover heat resulting in lower efficiency.



Lower pressure drop means more efficiency

› Smooth refrigerant flow in 3-pipe system thanks to 2 smaller gas pipes results in higher energy efficiency
› Disturbed refrigerant flow in large gas pipe on 2-pipe system results in bigger pressure drop

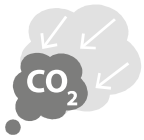


NEW REYA-A

VRV 5 heat recovery

The sustainability champion

- Reduced CO_2 equivalent thanks to the use of lower GWP R-32 refrigerant and lower refrigerant charge
- Top sustainability over the entire lifecycle, thanks to market leading real-life seasonal efficiency
- „Free" heating through efficient 3-pipe heat recovery, transferring heat from areas requiring cooling to areas requiring heating
- Tackle small room applications witout any additional measures, thanks to Shîrudo technology
- Specially designed indoor units for R-32, ensuring low sound and maximum efficiency
- The perfect personal comfort for guests/tenants via simultaneous cooling and heating



Reduced CO_2 equivalent

Flexibility to take care of every room

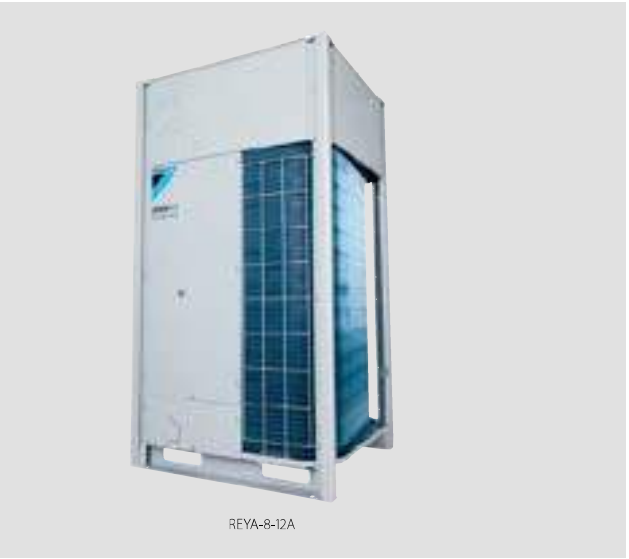
Already fully compliant to LOT 21 - Tier 2

Published data with real-life indoor units

More details and final information can be found by scanning or clicking the QR codes.

REYA-A

Outdoor unit				REYA	8A	10A	12A	14A	16A	18A	20A
Capacity range				HP	8	10	12	14	16	18	20
Recommended combination					4 x FXSA50A2VEB	4 x FXSA63A2VEB	6 x FXSA50A2VEB	1 x FXSA50A2VEB + 5 x FXSA63A2VEB	4 x FXSA63A2VEB + 2 x FXSA80A2VEB	3 x FXSA50A2VEB + 5 x FXSA63A2VEB	2 x FXSA50A2VEB + 6 x FXSA63A2VEB
Cooling capacity	Prated,c			kW	22.4	28.0	33.5	40.0	45.0	50.4	56.0
Heating capacity	Prated,h			kW	22.4	28.0	33.5	40.0	45.0	50.4	56.0
	Max.	6°CWB		kW	25.0	31.5	37.5	45.0	50.0	56.5	63.0
ηs,c				%	279.6%	271.7%	273.2%	298.3%	277.4%	274.8%	259.6%
ηs,h				%	161.1%	170.4%	170.9%	162.2%	162.1%	170.0%	161.4%
SEER					7.1	6.9		7.5	7.0	6.9	6.6
SCOP					4.1	4.3		4.1		4.3	4.1
Maximum number of connectable indoor units					64						
Indoor index connection	Min.				100.0	125.0	150.0	175.0	200.0	225.0	250.0
	Max.				260.0	325.0	390.0	455.0	520.0	585.0	650.0
Dimensions	Unit	HeightxWidthxDepth		mm	1,685x930x765			1,685x1,240x765			
Weight	Unit			kg	230			314		317	
Sound power level	Cooling	Nom.		dBA	78.3	78.8	82.5	78.7	83.7	83.4	87.9
	Heating	Prated h		dBA	79.4	80.7	83.3	82.9	86.3	85.1	89.6
Sound pressure level	Cooling	Nom.		dBA	56.3	58.0	60.8	56.1	60.8	63.0	67.0
Operation range	Cooling	Min.~Max.		°CDB	-5.0~46.0						
	Heating	Min.~Max.		°CWB	-20.0~15.5						
Refrigerant	Type/GWP				R32 / 635						
	Charge			kg/TCO2Eq	9.0			10.6			
Piping connections	Liquid	OD		mm	9.52		12.7				
	Gas	OD		mm	19.1		22.2				28.6
	HP/LP gas	OD		mm	15.9		19.1				22.2
	Total piping length	System	Actual	m	1000						
Power supply	Phase/Frequency/Voltage			Hz/V	3N~/50/380-415						
Current - 50Hz	Maximum fuse amps (MFA)			A	-						



REYA-8-12A

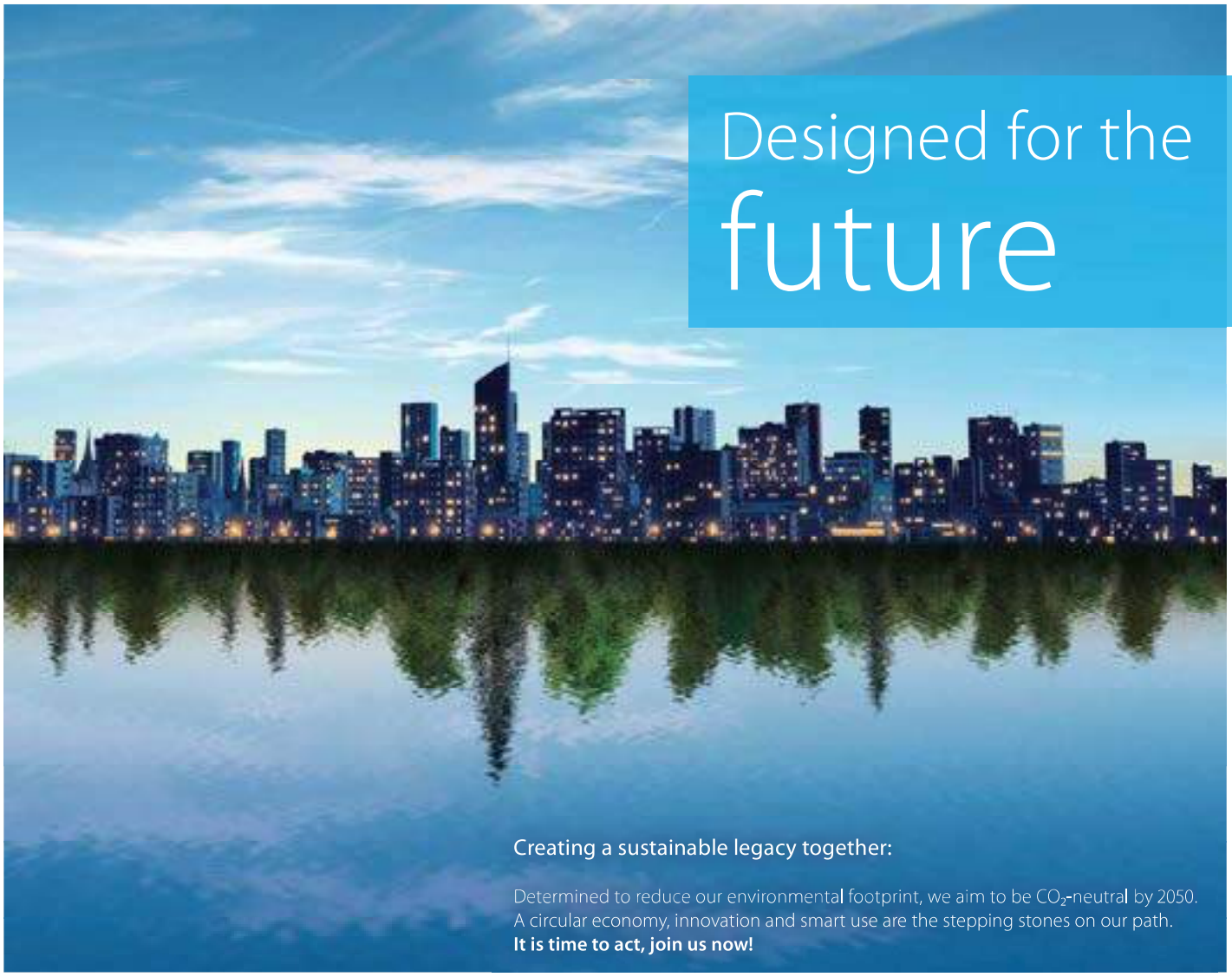
Outdoor unit System				REYA	10A	13A	16A	18A	20A	22A	24A	26A	28A
System	Outdoor unit module 1				REMA5A			REYA8A		REYA10A	REYA8A	REYA12A	
	Outdoor unit module 2				REMA5A	REYA8A		REYA10A	REYA12A		REYA16A	REYA14A	REYA16A
Capacity range				HP	10	13	16	18	20	22	24	26	28
Recommended combination									-				
Cooling capacity	Prated,c			kW	28	36.4	44.8	50.4	55.9	61.5	67.4	73.5	78.5
Heating capacity	Prated,h			kW	28	36.4	44.8	50.4	55.9	61.5	67.4	73.5	78.5
	Max.	6°CWB		kW	32.0	41.0	50.0	56.5	62.5	69.0	75.0	82.5	87.5
ηs,c				%					-				
ηs,h				%									
SEER													
SCOP													
Maximum number of connectable indoor units									64				
Indoor index connection	Min.				125.0	163.0	200.0	225.0	250.0	275.0	300.0	325.0	350.0
	Max.				325.0	423.0	520.0	585.0	650.0	715.0	780.0	845.0	910.0
Piping connections	Liquid	OD		mm	9.52	12.7							
	Gas	OD		mm	19.1	22.2					28.6		
	HP/LP gas	OD		mm	15.9	19.1					22.2		
	Total piping length	System	Actual	m	1000								
Power supply	Phase/Frequency/Voltage			Hz/V	3N~/50/380-415								
Current - 50Hz	Maximum fuse amps (MFA)			A	-								

Outdoor unit module				REMA	5A
Dimensions	Unit	HeightxWidthxDepth	mm	1,685x930x765
Weight	Unit		kg	230
Sound power level	Cooling	Nom.	dBA	78.3
	Heating	Prated h	dBA	79.4
Sound pressure level	Cooling	Nom.	dBA	56.3
Operation range	Cooling	Min.~Max.	°CDB	-5.0~46.0
	Heating	Min.~Max.	°CWB	-20.0~15.5
Refrigerant	Type/GWP			R32 / 635
	Charge		kg/TCO2Eq	9.0
Power supply	Phase/Frequency/Voltage		Hz/V	3N~/50/380-415
Current - 50Hz	Maximum fuse amps (MFA)		A	-

Actual number of connectable indoor units depends on the indoor unit type and the connection ratio restriction for the system (50% ≤ CR ≤ 120%) | Contains fluorinated greenhouse gases | * EU member states, UK, Bosnia-Herzegovina, Serbia, Montenegro, Kosovo, Albania, North Macedonia, Iceland, Norway, Switzerland

*Note: blue cells contain preliminary data

DAIKIN



Designed for the future

Creating a sustainable legacy together:

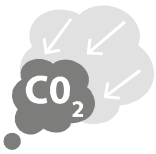
Determined to reduce our environmental footprint, we aim to be CO_2-neutral by 2050. A circular economy, innovation and smart use are the stepping stones on our path. **It is time to act, join us now!**

Lower CO_2 equivalents and market-leading versatility

Life is more rewarding with the new VRV 5.
Our new all-round performer covers all of your mini VRV applications in Daikin's most sustainable solution.

- **Maximum flexibility** allowing installation in rooms down to 10 m² thanks to Shîrudo technology
- **Top sustainability** over the entire lifecycle thanks to low GWP R-32 refrigerant and market-leading real life seasonal efficiency
- **Ergonomic serviceability** and handling, thanks to wide access area to easily reach components within low-profile single fan casing
- **Best-in-class design versatility** with five sound pressure levels down to 39 dB(A) and automatic ESP setting up to 45 Pa allowing ductwork
- **Geared for comfort** with intuitive online and voice controls plus a new 10 class indoor unit for small rooms

www.daikin.eu/VRV5



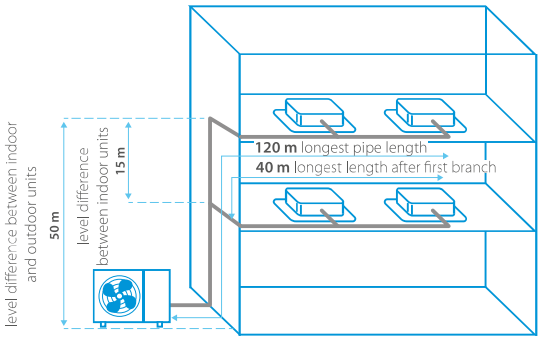
Reduced CO_2 equivalent

VRV 5
BLUEVOLUTION

VRV 5 S-series

Lower CO_2 equivalent and market-leading flexibility

- Reduced CO_2 equivalent thanks to the use of lower GWP R-32 refrigerant and lower refrigerant charge
- Top sustainability over the entire lifecycle, thanks to market leading real-life seasonal efficiency
- Low-height single fan range
- Easy to transport thanks to lightweight and compact design
- Wide access area to easily reach all key components
- Tackle small room applications without any additional measures, thanks to Shîrudo technology
- Specially designed indoor units for R-32, ensuring low sound and maximum efficiency



300 m total piping length

RXYSA-AV1_AY1

Only 869mm high!

Reduced CO_2 equivalent

Flexibility to take care of every room

Already fully compliant to LOT 21 - Tier 2

Published data with real-life indoor units

More details and final information can be found by scanning or clicking the QR codes.

RXYSA-AV1 RXYSA-AY1

Outdoor unit				RXYSA/RXYSA	4AV1	5AV1	6AV1	4AY1	5AY1	6AY1
Capacity range				HP	4	5	6	4	5	6
Cooling capacity	Prated,c			kW	12.1	14.0	15.5	12.1	14.0	15.5
Heating capacity	Prated,h			kW	12.1	14.0	15.5	12.1	14.0	15.5
	Max.	6°CWB		kW	14.2	16.0	18.0	14.2	16.0	18.0
Recommended combination					3 x FXSA25A2VEB + 1 x FXSA32A2VEB	4 x FXSA32A2VEB	2 x FXSA32A2VEB + 2 x FXSA40A2VEB	3 x FXSA25A2VEB + 1 x FXSA32A2VEB	4 x FXSA32A2VEB	2 x FXSA32A2VEB + 2 x FXSA40A2VEB
ηs,c				%	324.5	306.1	301.0	312.5	294.8	289.9
ηs,h				%	200.5	185.7	183.6	193.1	178.8	176.8
SEER					8.2	7.7	7.6	7.9	7.4	7.3
SCOP					5.1	4.7		4.9	4.5	
Maximum number of connectable indoor units					13 (1)	16 (1)	18 (1)	13 (1)	16 (1)	18 (1)
Indoor index connection	Min.				50.0	62.5	70.0	50.0	62.5	70.0
	Nom.				100	125	140	100	125	140
	Max.				130.0	162.5	182.0	130.0	162.5	182.0
Dimensions	Unit	HeightxWidthxDepth		mm	869x1,100x460					
Weight	Unit			kg	102					
Sound power level	Cooling	Nom.		dBA	67.0	68.1	69.0	67.0	68.1	69.0
	Heating	Prated,h		dBA	69.0	70.0	71.0	69.0	70.0	71.0
Sound pressure level	Cooling	Nom.		dBA	49.0	51.0		49.0	51.0	
Operation range	Cooling	Min.~Max.		°CDB	-5~46					
	Heating	Min.~Max.		°CWB	-20~16					
Refrigerant	Type/GWP				R-32/675.0					
	Charge			kg/TCO2Eq	3.40/2.30					
Piping connections	Liquid	OD		mm	9.52					
	Gas	OD		mm	15.9					
	Total piping length	System	Actual	m	300					
	Height Difference	OU-IU	Outdoor unit in highest position	m	50					
			Indoor unit in highest position	m	40					
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50 /220-240			3N~/50 /380-415		
Current - 50Hz	Maximum fuse amps (MFA)			A	32			16		

(1)The actual number of units depends on the connection ratio (CR) and the restrictions for the system.

With new Madoka BRC1H52W/S/K !

VRV 5 indoor unit overview

Capacity class (kW)

Type	Model		Product name		10	15	20	25	32	40	50	63	71	80	100	125	140	200	250
Ceiling mounted cassette	UNIQUE Round flow cassette	360° air discharge for optimum efficiency and comfort › Auto cleaning function ensures high efficiency › Intelligent sensors save energy and maximize comfort › Flexibility to suit every room layout › Lowest installation height in the market! › Widest choice ever in decoration panel designs and colors	ROUND FLOW	FXFA-A			●	●	●	●	●	●		●	●	●			
	UNIQUE Fully flat cassette	Unique design that integrates fully flat into the ceiling › Perfect integration in standard architectural ceiling tiles › Blend of iconic design and engineering excellence › Intelligent sensors save energy and maximize comfort › Small capacity unit developed for small or well-insulated rooms › Flexibility to suit every room layout		FXZA-A		●	●	●	●	●	●								Black and designer panels
Concealed ceiling	Slim concealed ceiling unit	Slim design for flexible installation › Compact dimensions enable installation in narrow ceiling voids › Medium external static pressure up to 44Pa › Only grilles are visible › Small capacity unit developed for small of well-insulated rooms › Reduced energy consumption thanks to DC fan motor		FXDA-A	●	●	●	●	●	●	●	●							
	Concealed ceiling unit with medium ESP	Slimmest yet most powerfull medium static pressure unit on the market! › Slimmest unit in class, only 245mm › Low operating sound level › Medium external static pressure up to 150Pa facilitates using flexible ducts of varying lengths › Automatic air flow adjustment function measures the air volume and static pressure and adjusts it towards the nominal air flow, guaranteeing comfort		FXSA-A (UNIQUE FOR R-32)		●	●	●	●	●	●	●		●	●	●	●		Auto cleaning filter option
	NEW Concealed ceiling unit with high ESP	ESP up to 270 Pa, ideal for extra large sized spaces › Optimum comfort guaranteed no matter the length of ductwork or type of grilles, thanks to automatic air flow adjustment › Large capacity unit: up to 31.5 kW heating capacity		FXMA-A							●	●		●	●	●		●	●
Wall mounted	Wall mounted unit	For rooms with no false ceilings nor free floor space › Flat, stylish front panel is more easy to clean › Small capacity unit developed for small of well-insulated rooms › Reduced energy consumption thanks to DC fan motor › The air is comfortably spread up- and downwards thanks to 5 different discharge angles		FXAA-A		●	●	●	●	●	●	●							
Ceiling suspended	NEW Ceiling suspended unit	For wide rooms with no false ceilings nor free floor space › Ideal for comfortable air flow in wide rooms thanks to Coanda effect › Rooms with ceilings up to 3.8m can be heated or cooled very easily! › Can easily be installed in both new and refurbishment projects › Can even be mounted in corners or narrow spaces without any problem		FXHA-A					●		●	●			●				
	NEW & UNIQUE 4-way blow ceiling suspended unit	Unique Daikin unit for high rooms with no false ceilings nor free floor space › Rooms with ceilings up to 3.5m can be heated up or cooled down very easily! › Can easily be installed in both new and refurbishment projects › Flexibility to suit every room layout		FXUA-A							●		●		●				
Cooling capacity (kW)[1]					1.1	1.7	2.2	2.8	3.6	4.5	5.6	7.1	8.0	9.0	11.2	14.0	16.0	22.4	28.0
Heating capacity (kW)[2]					1.3	1.9	2.5	3.2	4.0	5.0	6.3	8.0	9.0	10.0	12.5	16.0	18.0	25.0	31.5

(1) Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB, outdoor temperature: 35°CDB, equivalent refrigerant piping: 5m, level difference: 0m

(2) Nominal heating capacities are based on: indoor temperature: 20°CDB, outdoor temperature: 7°CDB, 6°CWB, equivalent refrigerant piping: 5m, level difference: 0m

VRV 5 indoor unit benefit overview

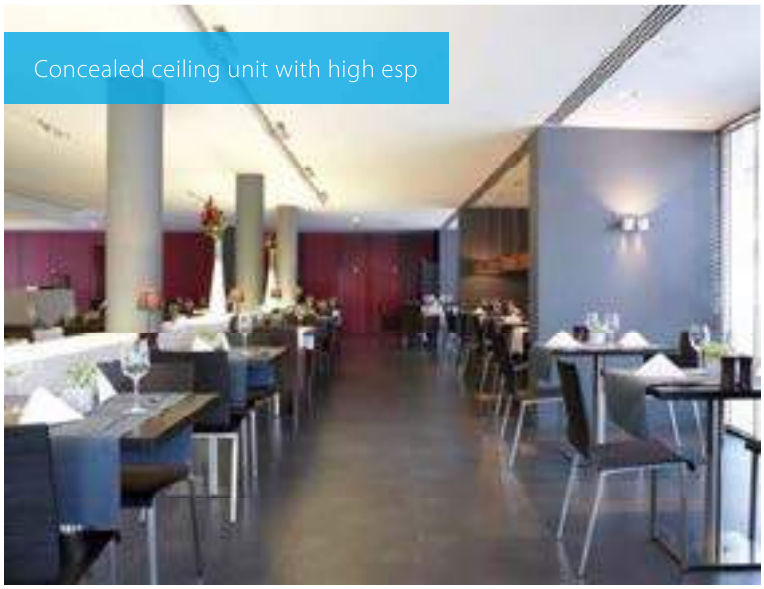
			Ceiling mounted cassette units		Concealed ceiling units			Wall mounted unit	Ceiling suspended units	
			FXFA-A	FXZA-A	FXDA-A	FXSA-A	NEW FXMA	FXAA-A	NEW FXHA-A	NEW FXUA-A
										
We care	Home leave operation	Maintains the indoor temperature at your specified comfort level during absence, thus saving energy.	●	●	●	●	●	●	●	●
	Fan only	The unit can be used as fan, blowing air without heating or cooling.	●	●	●	●	●	●	●	●
	Auto cleaning filter	The filter automatically cleans itself. Simplicity of upkeep means optimum energy efficiency and maximum comfort without the need for expensive or time-consuming maintenance.	○		○					
	Floor and presence sensor	The presence sensor directs the air away from any person detected in the room, when the air flow control is on. The floor sensor detects the average floor temperature and ensures an even temperature distribution between ceiling and floor.	○	○						
Comfort	Draught prevention	When starting to warm up or when the thermostat is off, the air discharge direction is set horizontally and the fan to low speed, to prevent draught. fter warming up, air discharge and fan speed are set as desired.	●	●						●
	Whisper quiet	Daikin indoor units are whisper quiet. Also the outdoor units are guaranteed not to disturb the quiet of the neightbourhood.	●	●	●	●		●		
	Auto cooling-heating changeover	Automatically selects cooling or heating mode to achieve the set temperature.	●	●	●	●	●	●	●	●
Air treatment	Air filter	Removes airborne dust particles to ensure a steady supply of clean air.	● (2)	● (2)	● (2)	● (2)	● (2)	● (2)	● (2)	● (2)
Humidity control	Dry programme	Allows humidity levels to be reduced without variations in room temperature.	●	●	●	●	●	●	●	●
Air flow	Ceiling soiling prevention	Prevents air from blowing out too long in horizontal position, to prevent ceiling stains.	●	●						
	Vertical auto swing	Possibility to select automatic vertical moving of the air discharge flaps for efficient air and temperature distribution throughout the room.	●	●				●	●	●
	Fan speed steps	Allows to select up to the given number of fan speed.	5 + auto	3 + auto	3 + auto	3 + auto	3 + auto	3 + auto	3 + auto	3 + auto
	Individual flap control	Individual flap control via the wired remote controller enables you to easily fix the position of each flap individually, to suit any new room configuration. Optional closure kits are available as well.	●	●						●
Remote control & timer	Onecta controller (BRP069C51)	Control your indoor climate from any location via smartphone or tablet.	○	○	○	○	○	○	○	○
	Weekly timer	Can be set to start heating or cooling anytime on a daily or weekly basis.	○	○	○	○	○	○	○	○
	Infrared remote control	Starts, stops and regulates the air conditioner from a distance.	○ (1)	○ (1)	○ (1)	○ (1)	○ (1)	○ (1)	○ (1)	○ (1)
	Wired remote control	Starts, stops and regulates the air conditioner.	● (3)	● (3)	● (3)	● (3)	● (3)	● (3)	● (3)	● (3)
	Centralised control	Starts, stops and regulates several air conditioners from one central point.	○	○	○	○	○	○	○	○
Other funtcions	Auto-restart	The unit restarts automatically at the original settings after power failure.	●	●	●	●	●	●	●	●
	Self-diagnosis	Simplifies maintenance by indicating system faults or operating anomalies.	●	●	●	●	●	●	●	●
	Drain pump kit	Facilitates condensation draining from the indoor unit.	●	●	●	●	●	○	○	●
	Multi tenant	The indoor unit's main power supply can be turned off when leaving the hotel or office building.	●	●	●	●		●		

● standard, ○ optional

(1) Must be combined with Madoka wired remote controller.

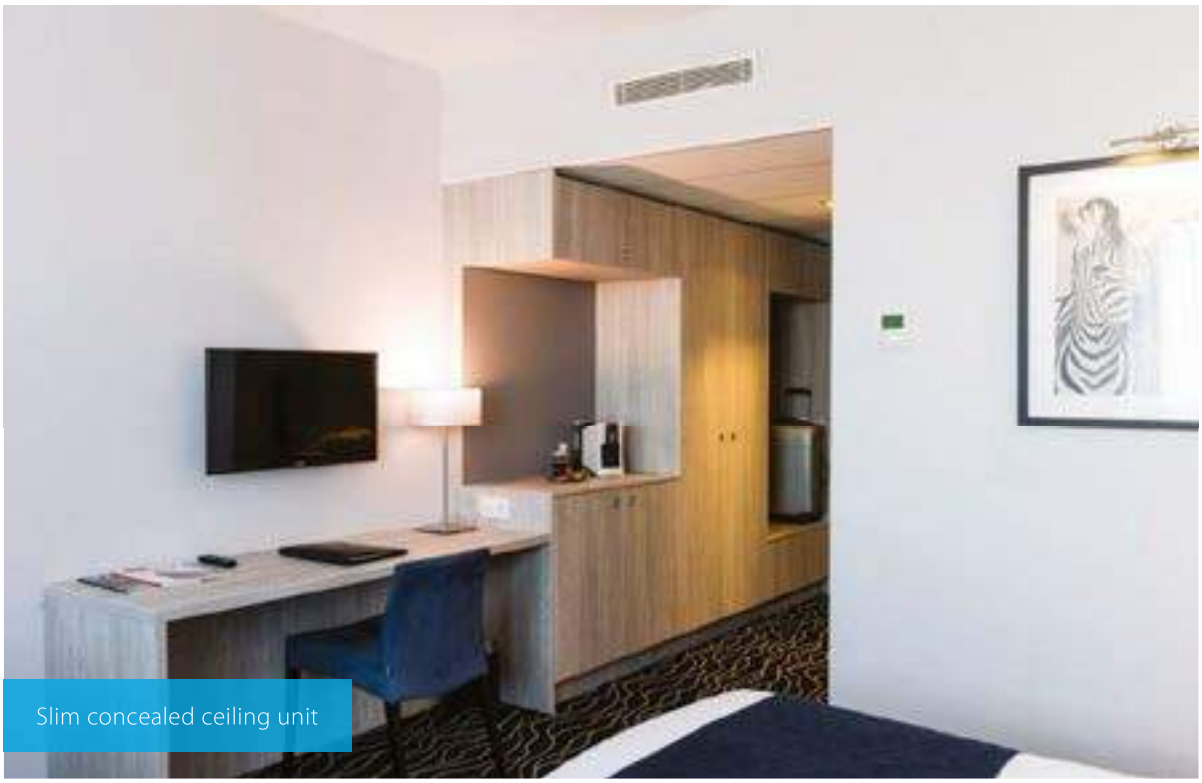
(2) Pre filter

(3) BRC1H52W/S/K is a required option



Concealed ceiling unit with high esp

Round flow cassette



Slim concealed ceiling unit

4-way blow ceiling suspended unit

Fully flat cassette

The most comfortable cassette just got better

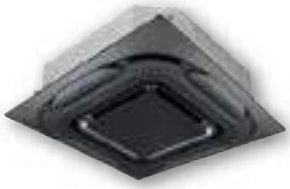
New round flow cassette

ROUND FLOW

› **Bigger louvers** and **new sensor logic** further improves equal air distribution in the room

› **Widest ever choice in panels** for cassette units, with up to 8 different panels

Black auto cleaning panel

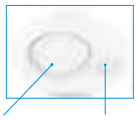


Black designer panel

Full white standard panel

White designer panel

› Comes with the known benefits: **360° air flow discharge and intelligent sensors**



› **Auto cleaning** panels available in black and white

Auto cleaning filter

Dust can simply be removed using a vacuum cleaner without opening the unit.

* Available as an option

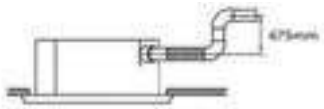
ROUND FLOW

BLUEVOLUTION

Round flow cassette

360° air discharge for optimum efficiency and comfort

- Optimised design for R-32 refrigerant
- Optional automatic filter cleaning panel results in higher efficiency & comfort and lower maintenance costs.
- Two optional intelligent sensors improve energy efficiency and comfort
- Widest choice ever in decoration panels: designer panels in white (RAL9010) and black (RAL9005) and standard panels in white (RAL9010) with grey louvers or full white
- Bigger flaps and unique swing pattern improve equal air distribution
- Individual flap control: flexibility to suit every room layout without changing the location of the unit!
- Lowest installation height in the market: 214mm for class 20-63
- Optional fresh air intake
- Standard drain pump with 675mm lift increases flexibility and installation speed



White panel | White auto cleaning panel | Black panel | Black design panel

More details and final information can be found by scanning or clicking the QR codes.

FXFA-A

Indoor Unit				FXFA	20A	25A	32A	40A	50A	63A	80A	100A	125A
Cooling capacity	Total capacity	At high fan speed		kW	2.20	2.80	3.60	4.50	5.60	7.10	9.00	11.20	14.00
Heating capacity	Total capacity	At high fan speed		kW	2.50	3.20	4.00	5.00	6.30	8.00	10.00	12.50	16.00
Power input - 50Hz	Cooling	At high fan speed		kW	0.017			0.018	0.023	0.028	0.045	0.078	0.103
	Heating	At high fan speed		kW	0.017			0.018	0.023	0.028	0.045	0.078	0.103
Dimensions	Unit	HeightxWidthxDepth		mm	204x840x840						246x840x840		288x840x840
Weight	Unit			kg	18			19	21		24		26
Casing	Material				Galvanised steel plate								
Decoration panel	Model				Standard panels: BYCQ140E - white with grey louvers / BYCQ140EW - full white / BYCQ140EB - black Auto cleaning panels BYCQ140EGF - white / BYCQ140EGFB - black Designer panels: BYCQ140EP - white / BYCQ140EPB - black								
	Dimensions	HeightxWidthxDepth		mm	Standard panels: 65x950x950 / Auto cleaning panels: 148x950x950 / Designer panels: 106x950x950								
	Weight			kg	Standard panels: 5.5 / Auto cleaning panels: 10.3 / Designer panels: 6.5								
Fan	Air flow rate - 50Hz	Cooling	H/MH/M/ML/L	m^3/min	12.8/11.8/10.7/9.8/8.9			14.8/13.7/12.6/ 11.5/10.4	15.1/14.0/12.8/ 11.8/10.7	16.6/15.0/13.3/ 12.0/10.7	23.3/21.7/19.3/ 16.5/13.8	28.8/25.1/21.2/ 17.5/13.8	33.0/30.2/27.4/ 24.0/20.6
		Heating	H/MH/M/ML/L	m^3/min	12.8/11.8/10.7/9.8/8.9			14.8/13.7/12.6/ 11.5/10.4	15.1/14.0/12.8/ 11.8/10.7	16.6/15.0/13.3/ 12.0/10.7	23.3/21.7/19.3/ 16.5/13.8	29.0/25.1/21.2/ 17.5/13.8	33.0/30.2/27.4/ 24.0/20.6
Air filter	Type				Resin net								
Sound power level	Cooling	At high fan speed		dBA	49.0 (4)			51.0 (4)		53.0 (4)	55.0 (4)	60.0 (4)	61.0 (4)
Sound pressure level	Cooling	H/MH/M/ML/L		dBA	31.0/30.0/29.0/29.5/28.0 (4)			33.0/32.0/31.0/ 30.0/29.0 (4)		35.0/34.0/33.0/ 32.0/30.0 (4)	38.0/36.0/34.0/ 32.0/30.0 (4)	43.0/41.0/37.0/ 34.0/30.0 (4)	45.0/43.0/41.0/ 39.0/36.0 (4)
	Heating	H/MH/M/ML/L		dBA	31.0/30.0/29.0/29.5/28.0 (4)			33.0/32.0/31.0/ 30.0/29.0 (4)		35.0/34.0/33.0/ 32.0/30.0 (4)	38.0/36.0/34.0/ 32.0/30.0 (4)	43.0/41.0/37.0/ 34.0/30.0 (4)	45.0/43.0/41.0/ 39.0/36.0 (4)
Refrigerant	Type/GWP				R-32/675.0								
Piping connections	Liquid	OD		mm	6.35							9.52	
	Gas	OD		mm	9.52			12.70				15.90	
	Drain				VP25 (O.D. 32 / I.D. 25)								
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220								
Current - 50Hz	Maximum fuse amps (MFA)			A	6								
Control systems	Infrared remote control				BRC7FA532F / BRC7FB532F / BRC7FA532FB / BRC7FB532FB (2)								
	Wired remote control				BRC1H52W/S/K								

(1) MFA is used to select the circuit breaker and the ground fault circuit interrupter (earth leakage circuit breaker). For more detailed information on each combination, please refer to the electrical data drawing | (2) Must be combined with Madoka wired remote controller. | (3) L/ML/M/MH/H are the different fan speeds available. L= low; ML= medium low; M= medium; MH= medium high; H= high | (4) Sound of designer panel: +3dB | Contains fluorinated greenhouse gases

Fully Flat Cassette

Design & Genius in one

Why choose fully flat cassette

› Unique design in the market that integrates fully flat into the ceiling

› Advanced technology and top efficiency combined

› Most quiet cassette available on the market

FXZQ-A

Choice between grey or white panel

Benefits for the installer

› Unique product in the market!
› Most quiet unit (25dBA)
› The user-friendly remote control, available in several languages, enables the easy set-up of sensor option and control of the individual flap position
› Meeting European design taste.

Benefits for the consultant

› Unique product in the market!
› Blends seamlessly in any modern office interior design
› Ideal product to improve BREEAM score/EPBD in combination with Sky Air (FFA*) or VRV IV heat pump units (FXZQ*).

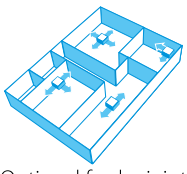
Benefits for the end user

› Engineering excellence and unique design in one
› Most quiet unit (25dBA)
› Perfect working conditions: no more cold draughts
› Save up to 27% on your energy bill thanks to the optional sensors
› Flexible usage of space and suits any room configuration thanks to individual flap control
› User-friendly remote control, available in several languages.

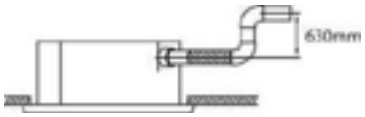
Fully flat cassette

Unique design in the market that integrates fully flat into the ceiling

- Optimised design for R-32 refrigerant
- Fully flat integration in standard architectural ceiling tiles, leaving only 8mm
- Remarkable blend of iconic design and engineering excellence with an elegant finish in white or a combination of silver and white
- Two optional intelligent sensors improve energy efficiency and comfort
- 15 class unit especially developed for small or well-insulated rooms, such as hotel bedrooms, small offices, etc.
- Individual flap control: flexibility to suit every room layout without changing the location of the unit!



- Optional fresh air intake
- Standard drain pump with 630mm lift increases flexibility and installation speed



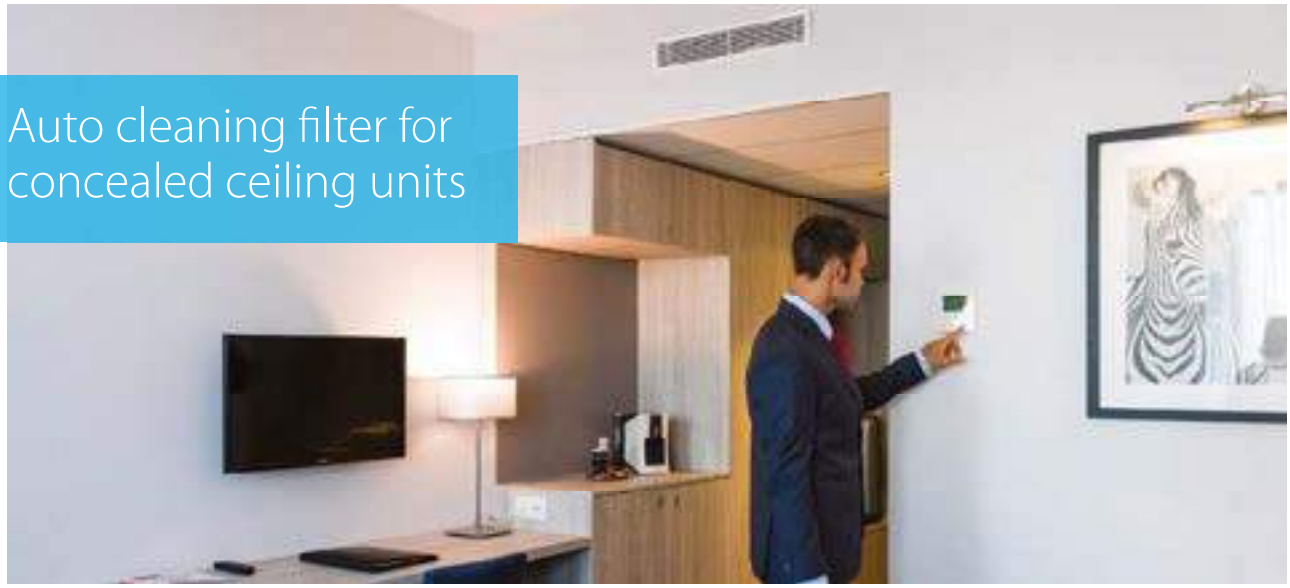
More details and final information can be found by scanning or clicking the QR codes.

FXZA-A

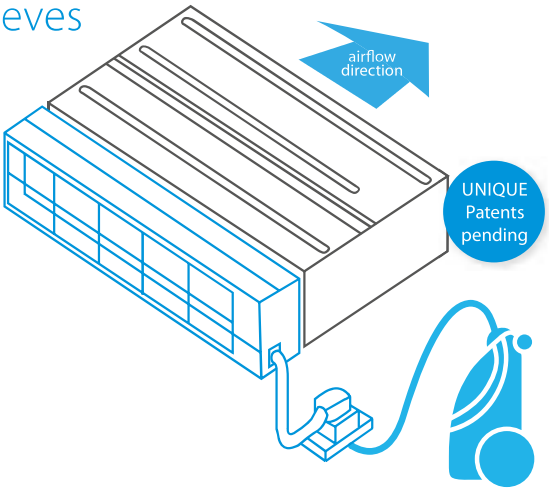
Indoor Unit				FXZA	15A	20A	25A	32A	40A	50A
Cooling capacity	Total capacity	At high fan speed		kW	1.70	2.20	2.80	3.60	4.50	5.60
Heating capacity	Total capacity	At high fan speed		kW	1.90	2.50	3.20	4.00	5.00	6.30
Power input - 50Hz	Cooling	At high fan speed		kW	0.018		0.020	0.019	0.029	0.048
	Heating	At high fan speed		kW	0.018		0.020	0.019	0.029	0.048
Dimensions	Unit	HeightxWidthxDepth		mm	260 x575 x575					
Weight	Unit			kg	15.5			16.5		18.5
Casing	Material				Galvanised steel plate					
Decoration panel	Model				BYFQ60C4W1W					
	Colour				White (N9.5)					
	Dimensions	HeightxWidthxDepth		mm	46 x620 x620					
	Weight			kg	2.8					
Decoration panel 2	Model				BYFQ60C4W1S					
	Colour				SILVER					
	Dimensions	HeightxWidthxDepth		mm	46 x620 x620					
	Weight			kg	2.8					
Decoration panel 3	Model				BYFQ60B3W1 + wire harness EKRS23					
	Colour				WHITE (RAL9010)					
	Dimensions	HeightxWidthxDepth		mm	55 x700 x700					
	Weight			kg	2.7					
Fan	Air flow rate - 50Hz	Cooling	At high/medium/ low fan speed	m^3/min	8.5/7.0/6.5	8.7/7.5/6.5	9.0/8.0/6.5	10.0/8.5/7.0	11.5/9.5/8.0	14.0/12.5/10.0
		Heating	At high/medium/ low fan speed	m^3/min	8.5/7.0/6.5	8.7/7.5/6.5	9.0/8.0/6.5	10.0/8.5/7.0	11.5/9.5/8.0	14.0/12.5/10.0
Air filter	Type				Resin net					
Sound power level	Cooling	At high fan speed		dBA	49		50	51	54	60
Sound pressure level	Cooling	At high/medium/low fan speed		dBA	31.5/28.0/25.5	32.0/29.5/25.5	33.0/30.0/25.5	33.5/30.0/26.0	37.0/32.0/28.0	43.0/40.0/33.0
	Heating	At high/medium/low fan speed		dBA	31.5/28.0/25.5	32.0/29.5/25.5	33.0/30.0/25.5	33.5/30.0/26.0	37.0/32.0/28.0	43.0/40.0/33.0
Refrigerant	Type/GWP				R-32/675.0					
Piping connections	Liquid	OD		mm	6.35					
	Gas	OD		mm	9.52				12.70	
	Drain				VP20 (I.D. 20/O.D. 26)					
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220					
Current - 50Hz	Maximum fuse amps (MFA)			A	6					
Control systems	Infrared remote control				BRC7F530W (white panel) / BRC7F530S (grey panel) / BRC7EB530W (standard panel) (1)					
Control systems	Wired remote control				BRC1H52W/S/K					

Dimensions do not include control box | (1) Must be combined with Madoka wired remote controller* feature | Contains fluorinated greenhouse gases

Auto cleaning filter for concealed ceiling units

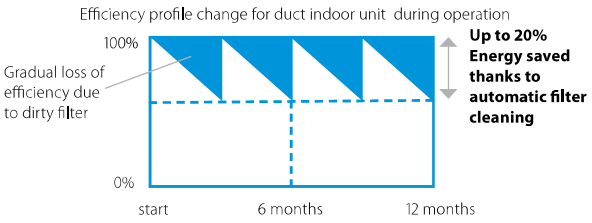


The unique automatic cleaning filter achieves higher efficiency and comfort with lower maintenance costs



Reduce running costs

› Automatic filter cleaning ensures low maintenance costs because the filter is always clean



Minimal time required for filter cleaning

› The dust box can be emptied with a vacuum cleaner for fast and easy cleaning
› No more dirty ceilings

Improved indoor air quality

› Optimum airflow eliminates draft and insulates sound

Superb reliability

› Prevents clogged filters for seamless operation

Unique technology

› Unique and innovative filter technology inspired by the Daikin auto cleaning cassette

How does it work?

1. **Scheduled automatic filter cleaning**
2. **Dust collects in a dust box that's integrated into the unit**
3. **The dust can easily be removed with a vacuum cleaner**

Combination table

	Split / Sky Air				VRV						
	FDXM-F9				FXDA-A/FXDQ-A3						
	25	35	50	60	15	20	25	32	40	50	63
BAE20A62	•	•			•	•	•	•			
BAE20A82									•	•	
BAE20A102			•	•							•

Specifications

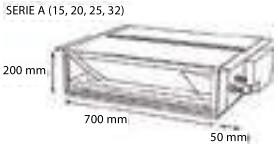
	BAE20A62	BAE20A82	BAE20A102
Height (mm)	210		
Width (mm)	830	1,030	1,230
Depth (mm)	188		

BLUEVOLUTION

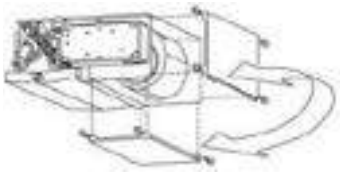
Slim concealed ceiling unit

Slim design for flexible installation

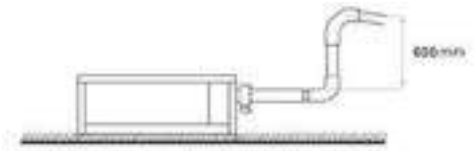
- Optimised design for R-32 refrigerant
- 10 class unit especially developed for small or well-insulated rooms, such as hotel bedrooms, small offices, etc.
- Compact dimensions, can easily be mounted in a ceiling void of only 240mm



- Medium external static pressure up to 44Pa facilitates unit use with flexible ducts of varying lengths
- Discretely concealed in the wall: only the suction and discharge grilles are visible
- Optional auto cleaning filter option ensures maximum efficiency, comfort and reliability by regular filter cleaning
- Flexible installation, as the air suction direction can be altered from rear to bottom suction

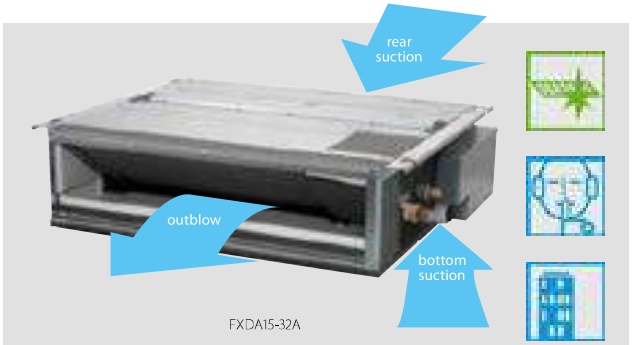


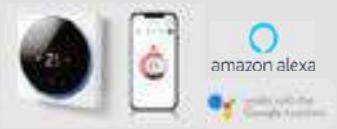
- Standard drain pump with 600mm lift increases flexibility and installation speed



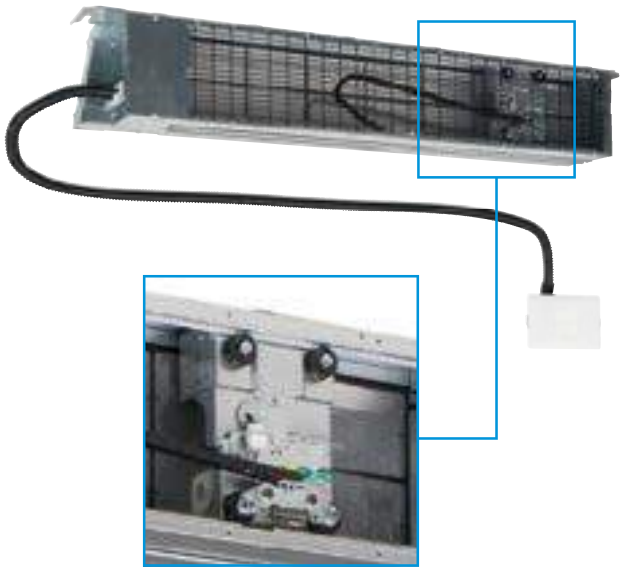
More details and final information can be found by scanning or clicking the QR codes.

FXDA-A





BRC1H52W, BRP069C51



Auto cleaning filter option

Indoor Unit				FXDA	10A	15A	20A	25A	32A	40A	50A	63A
Cooling capacity	Total capacity	At high fan speed		kW	1.10	1.70	2.20	2.80	3.60	4.50	5.60	7.10
Heating capacity	Total capacity	At high fan speed		kW	1.30	1.90	2.50	3.20	4.00	5.00	6.30	8.00
Power input - 50Hz	Cooling	At high fan speed		kW	0.026	0.035	0.030		0.035	0.038	0.049	0.058
	Heating	At high fan speed		kW	0.026	0.035	0.030		0.035	0.038	0.049	0.058
Required ceiling void >				mm	240							
Dimensions	Unit	HeightxWidthxDepth		mm	200x750x620					200x950x620		200x1,150x620
Weight	Unit			kg	22.0		23.0			26.5		30.5
Casing	Material				Galvanisedsteel							
Fan	Air flow rate - 50Hz	Cooling	At high/medium/ low fan speed	m^3/min	5.2/4.9/4.7	6.5/6.2/5.8	8.0/7.2/6.4			10.5/9.5/8.5	12.5/11.0/10.0	16.5/14.5/13.0
		Heating	At high/medium/ low fan speed	m^3/min	5.2/4.9/4.7	6.5/6.2/5.8	8.0/7.2/6.4			10.5/9.5/8.5	12.5/11.0/10.0	16.5/14.5/13.0
	External static pressure - 50Hz	Factory set / High		Pa	10/30					15/44		
Air filter	Type				Removable / washable							
Sound power level	Cooling	At high fan speed		dBA	48	50	51			52	53	54
Sound pressure level	Cooling	At high/medium/low fan speed		dBA	29.0/28.0/26.0	32.0/31.0/27.0	33.0/31.0/27.0			34.0/32.0/28.0	35.0/33.0/29.0	36.0/34.0/30.0
	Heating	At high/medium/low fan speed		dBA	29.0/28.0/26.0	32.0/31.0/27.0	33.0/31.0/27.0			34.0/32.0/28.0	35.0/33.0/29.0	36.0/34.0/30.0
Refrigerant	Type/GWP				R-32/675.0							
Piping connections	Liquid	OD		mm	6.35							
	Gas	OD		mm	9.52					12.70		
	Drain				VP20 (I.D. 20/O.D. 26)							
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220							
Current - 50Hz	Maximum fuse amps (MFA)			A	6							
Control systems	Infrared remote control				BRC4C65 / BRC4C66 (1)							
	Wired remote control				BRC1H52W/S/K							

(1) Must be combined with Madoka wired remote controller | Contains fluorinated greenhouse gases

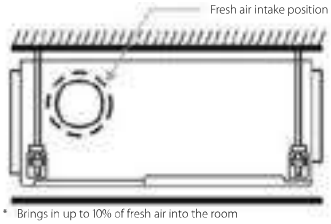
Concealed ceiling unit with medium ESP

Slimmest yet most powerful medium static pressure unit on the market

› Optimised design for R-32 refrigerant
› Slimmest unit in class, only 245mm (300mm built-in height) and therefore narrow ceiling voids are no longer a challenge

› Quiet operation: down to 25dBA sound pressure level
› Medium external static pressure up to 150Pa facilitates using flexible ducts of varying lengths
› Possibility to change ESP via wired remote control allows optimisation of the supply air volume
› Discretely concealed in the wall: only the suction and discharge grilles are visible
› 15 class unit especially developed for small or well-insulated rooms, such as hotel bedrooms, small offices, etc.
› Optional fresh air intake
› Fresh air intake integrated in the same system thus reducing installation cost as no additional ventilation device is required

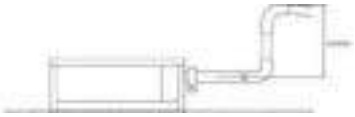
Fresh air intake opening in casing



* Brings in up to 10% of fresh air into the room

BRC1H52W, BRP069A81

› Standard built-in drain pump with 625mm lift increases flexibility and installation speed

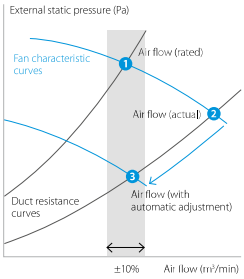


Automatic Airflow Adjustment function

Automatically selects the most appropriate fan curve to achieve the units' nominal air flow within ±10%

Why?

After installation the real ducting will frequently differ from the initially calculated air flow resistance ✳ the real air flow may be much lower or higher than nominal , leading to a lack of capacity or uncomfortable air temperature
Automatic Airflow Adjustment function will adapt the unit's fan speed to any ducting automatically (10 or more fan curves are available on every model), making installation much faster



More details and final information can be found by scanning or clicking the QR codes.

FXSA-A

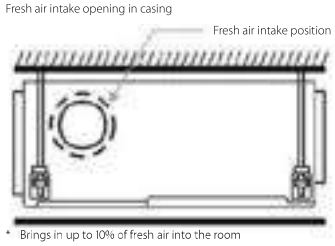
Indoor Unit				FXSA	15A	20A	25A	32A	40A	50A	63A	80A	100A	125A	140A
Cooling capacity	Total capacity	At high fan speed		kW	1.70	2.20	2.80	3.60	4.50	5.60	7.10	9.00	11.20	14.00	16.00
Heating capacity	Total capacity	At high fan speed		kW	1.90	2.50	3.20	4.00	5.00	6.30	8.00	10.00	12.50	16.00	18.00
Power input - 50Hz	Cooling	At high fan speed		kW	0.046			0.049	0.094	0.096	0.106	0.143	0.176	0.216	0.272
	Heating	At high fan speed		kW	0.046			0.049	0.094	0.096	0.106	0.143	0.176	0.216	0.272
Dimensions	Unit	HeightxWidthxDepth		mm	245x550x800				245x700x800		245x1,000x800		245x1,400x800		245x1,550x800
Weight	Unit			kg	23.5			24.0	28.5	29.0	35.5	36.5	46.0	47.0	51.0
Casing	Material				Galvanised steel plate										
Fan	Air flow rate - 50Hz	Cooling	At high/medium/ low fan speed	m^3/min	8.7/7.5/6.5	9.0/7.5/6.5		9.5/8.0/7.0	15.0/12.5/11.0	15.2/12.5/11.0	21.0/18.0/15.0	23.0/19.5/16.0	32.0/27.0/23.0	36.0/31.5/26.0	39.0/34.0/28.0
		Heating	At high/medium/ low fan speed	m^3/min	8.7/7.5/6.5	9.0/7.5/6.5		9.5/8.0/7.0	15.0/12.5/11.0	15.2/12.5/11.0	21.0/18.0/15.0	23.0/19.5/16.0	32.0/27.0/23.0	36.0/31.5/26.0	42.5/34.0/28.0
	External static pressure - 50Hz	Factory set / High		Pa	30/150							40/150		50/150	
Air filter	Type				Resin net										
Sound power level	Cooling	At high fan speed		dBA	54			55	60		59	61		64	
Sound pressure level	Cooling	At high/medium/low fan speed		dBA	29.5/28.0/25.0	30.0/28.0/25.0		31.0/29.0/26.0	35.0/32.0/29.0		33.0/30.0/27.0	35.0/32.0/29.0	36.0/34.0/31.0	39.0/36.0/33.0	41.5/38.0/34.0
	Heating	At high/medium/low fan speed		dBA	31.5/29.0/26.0	32.0/29.0/26.0		33.0/30.0/27.0	37.0/34.0/29.0		35.0/32.0/28.0	37.0/34.0/30.0	37.0/34.0/31.0	40.0/37.0/33.0	42.0/38.5/34.0
Refrigerant	Type/GWP				R-32/675.0										
Piping connections	Liquid	OD		mm	6.35								9.52		
	Gas	OD		mm	9.52				12.70				15.90		
	Drain				VP20 (I.D. 20/O.D. 26), drain height 625 mm										
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220										
Current - 50Hz	Maximum fuse amps (MFA)			A	6										
Control systems	Infrared remote control				BRC4C65 / BRC4C66 (1)										
	Wired remote control				BRC1H52W/S/K										

(1) Must be combined with Madoka wired remote controlle | Contains fluorinated greenhouse gases

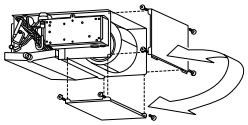
Concealed ceiling unit with high ESP

Ideal for large sized spaces ESP up to 270 Pa

- Optimised for R-32 refrigerant
- Possibility to change ESP via wired remote control allows optimisation of the supply air volume
- High external static pressure up to 270Pa facilitates extensive duct and grille network
- Discretely concealed in the wall: only the suction and discharge grilles are visible
- Fresh air intake integrated in the same system thus reducing installation cost as no additional ventilation device is required (50-125 class)



- Flexible installation, as the air suction direction can be altered from rear to bottom suction (50-125 class)

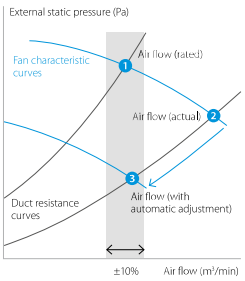


Automatic Airflow Adjustment function

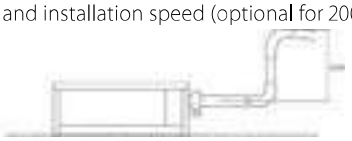
Automatically selects the most appropriate fan curve to achieve the units' nominal air flow within ±10%

Why?

After installation the real ducting will frequently differ from the initially calculated air flow resistance ✳ the real air flow may be much lower or higher than nominal , leading to a lack of capacity or uncomfortable air temperature
Automatic Airflow Adjustment function will adapt the unit's fan speed to any ducting automatically (10 or more fan curves are available on every model), making installation much faster



- Standard built-in drain pump with 625mm lift increases flexibility and installation speed (optional for 200-250)



- High external static pressure up to 270Pa facilitates extensive duct and grille network
- Large capacity unit: up to 31.5 kW heating capacity

More details and final information can be found by scanning or clicking the QR codes.

FXMA-A

Indoor Unit				FXMA	50A	63A	80A	100A	125A	200A	250A
Cooling capacity	Total capacity	At high fan speed		kW	5.6	7.1	9.0	11.2	14.0	22.4	28.0
Heating capacity	Total capacity	At high fan speed		kW	6.3	8.0	10.0	12.5	16.0	25.0	31.5
Power input - 50Hz	Cooling	At high fan speed		kW	0.121	0.132	0.198	0.214	0.254	0.895	1.185
	Heating	At high fan speed		kW	-						
Required ceiling void >				mm	350					-	
Dimensions	Unit	HeightxWidthxDepth		mm	300x1,000x700			300x1,400x700		470x1,380x1,100	
Weight	Unit			kg	35			46		132	
Fan	Air flow rate - 50Hz	Cooling	H/M/L fan speed	m^3/min	18.0/16.5/15.0	19.5/17.5/16.0	25.0/22.5/20.0	32.0/27.5/23.0	36/30/26	58/-/50	72/-/62
		Heating	H/M/L fan speed	m^3/min	-/-/-						
	External static pressure - 50Hz	Factory set / High		Pa	100/200					160/270	170/270
Air filter	Type				Resin net					-	
Sound power level	Cooling	H/M/L fan speed		dBA	61.0/-/-	64.0/-/-	67.0/-/-	65.0/-/-	70.0/-/-	75	76
Sound pressure level	Cooling	H/M/L fan speed		dBA	41.0/-/37.0	42.0/-/38.0	43.0/-/39.0		44.0/-/40.0	48/-/45	
	Heating	H/M/L fan speed		dBA	41.0/-/37.0	42.0/-/38.0	43.0/-/39.0		44.0/-/40.0	-/-/-	
Refrigerant	Type/GWP				R-32/675						
Piping connections	Liquid	OD		mm	6.35			9.52			
	Gas	OD		mm	12.7			15.9		19.1	22.2
	Drain				VP25 (I.D. 25/O.D. 32)					PS1B	
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220					1~/50 /220-240	
Current - 50Hz	Maximum fuse amps (MFA)			A	16						
Control systems	Infrared remote control				BRC4C65						
	Wired remote control				BRC1H52W/S/K						

Contains fluorinated greenhouse gases

*Note: blue cells contain preliminary data

Wall mounted unit

For rooms with no false ceilings nor free floor space

- Optimised design for R-32 refrigerant
- Flat, stylish front panel blends easily within any interior décor and is easier to clean
- Can easily be installed in both new and refurbishment projects
- The air is comfortably spread up- and downwards thanks to 5 different discharge angles that can be programmed via the remote control
- Maintenance operations can be performed easily from the front of the unit

More details and final information can be found by scanning or clicking the QR codes.

FXAA-A

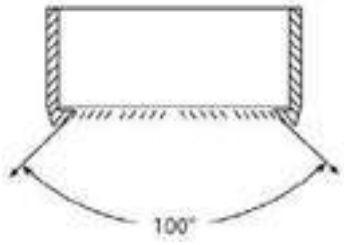
Indoor Unit				FXAA	15A	20A	25A	32A	40A	50A	63A
Cooling capacity	Total capacity	At high fan speed		kW	1.7	2.2	2.8	3.6	4.5	5.6	7.1
Heating capacity	Total capacity	At high fan speed		kW	1.9	2.5	3.2	4.0	5.0	6.3	8.0
Power input - 50Hz	Cooling	At high fan speed		kW	0.017	0.019	0.028	0.030	0.025	0.033	0.050
	Heating	At high fan speed		kW	0.025	0.029	0.034	0.035	0.030	0.039	0.060
Dimensions	Unit	HeightxWidthxDepth		mm	290x795x266				290x1,050x269		
Weight	Unit			kg	12				15		
Fan	Air flow rate - 50Hz	Cooling	At high/medium/ low fan speed	m^3/min	7.1/6.8/6.5	7.9/7.2/6.5	8.3/7.4/6.5	9.4/8.0/6.5	12.2/11.0/9.8	14.2/12.6/10.9	18.2/15.5/12.9
		Heating	At high/medium/ low fan speed	m^3/min	7.8/7.1/6.5	8.6/7.5/6.5	9.0/7.7/6.5	9.9/8.2/6.5	12.2/11.0/9.8	15.2/13.7/12.1	18.7/16.4/14.1
Air filter	Type				Removable / washable						
Sound power level	Cooling	At high fan speed		dBA	51.0	52.0	53.0	55.0		58.0	63.0
Sound pressure level	Cooling	At high/medium/low fan speed		dBA	32.0/30.5/28.5	33.0/31.0/28.5	35.0/32.0/28.5	37.5/33.0/28.5	37.0/35.5/33.5	41.0/38.5/35.5	46.5/42.5/38.5
	Heating	At high/medium/low fan speed		dBA	33.0/31.0/28.5	34.0/31.5/28.5	36.0/32.5/28.5	38.5/33.5/28.5	38.0/36.0/33.5	42.0/39.0/35.5	47.0/43.0/38.5
Refrigerant	Type/GWP				R-32/675.0						
Piping connections	Liquid	OD		mm	6.35						
	Gas	OD		mm	9.52				12.70		
	Drain				VP13 (I.D. 15/O.D. 18)						
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50 /220-240						
Current - 50Hz	Maximum fuse amps (MFA)			A	6						
Control systems	Infrared remote control				BRC7EA630 (1)						
	Wired remote control				BRC1H52W/S/K						

(1) Must be combined with Madoka wired remote controller | Contains fluorinated greenhouse gases

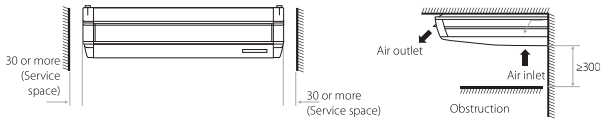
Ceiling suspended unit

For wide rooms with no false ceilings nor free floor space

› Optimised for R-32 refrigerant
› Ideal for comfortable air flow in wide rooms thanks to Coanda effect: up to 100° discharge angle



› Even rooms with ceilings up to 3.8m can be heated up or cooled down very easily without capacity loss
› Can easily be installed in both new and refurbishment projects
› Can easily be mounted in corners and narrow spaces, as it only needs 30mm lateral service space



› Fresh air intake integrated in the same system thus reducing installation cost as no additional ventilation device is required

Fresh air intake opening in casing

* Brings in up to 10% of fresh air into the room

› Stylish unit blends easily with any interior. The flaps close entirely when the unit is not operating and there are no air intake grilles visible

More details and final information can be found by scanning or clicking the QR codes.

FXHA-A

					NEW capacity range		
Indoor Unit			**FXHA**	**32A**	**50A**	**63A**	**100A**
Cooling capacity	Total capacity	At high fan speed	kW	3.6	5.6	7.1	11.2
Heating capacity	Total capacity	At high fan speed	kW	4.0	6.3	8.0	12.5
Power input - 50Hz	Cooling	At high fan speed	kW	0.107	0.104	0.111	0.237
	Heating	At high fan speed	kW	-			
Dimensions	Unit	HeightxWidthxDepth	mm	235x960x690	235x1,270x690		235x1,590x690
Weight	Unit		kg	24	33		39
Casing	Material			Resin			
Fan	Air flow rate - 50Hz	Cooling At high/medium/ low fan speed	m^3/min	12.5/11.0/10	16/14/12.5	17.5/15.0/13	27/22/19
		Heating At high/medium/ low fan speed	m^3/min	-			
Air filter	Type			Resin net with mold resistance			
Sound power level	Cooling	At high fan speed	dBA	54	55		62
Sound pressure level	Cooling	At high/medium/low fan speed	dBA	36.0/34.0/31.0	36.5/34.5/33	37.0/35.0/34.0	44.0/37.0/34.0
	Heating	At high/medium/low fan speed	dBA	36.0/34.0/31.0	36.5/34.5/33	37.0/35.0/34.0	44.0/37.0/34.0
Refrigerant	Type/GWP			R-32/675			
Piping connections	Liquid	OD	mm	6.35	6.35		9.52
	Gas	OD	mm	9.52	12.7		15.9
	Drain			VP20 (I.D. 20/O.D. 26)			
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/60/220-240/220			
Current - 50Hz	Maximum fuse amps (MFA)		A	16			
Control systems	Infrared remote control			BRC7GA53 / BRC7GA56			
	Wired remote control			BRC1H52W/S/K			

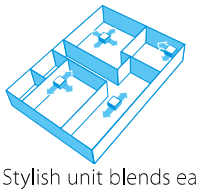
Contains fluorinated greenhouse gases

*Note: blue cells contain preliminary data

4-way blow ceiling suspended unit

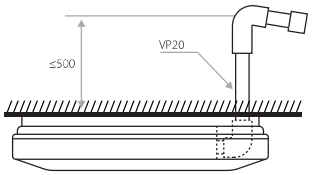
Unique Daikin unit for high rooms with no false ceilings nor free floor space

- Optimised for R-32 refrigerant
- Even rooms with ceilings up to 3.5m can be heated up or cooled down very easily without capacity loss
- Can easily be installed in both new and refurbishment projects
- Individual flap control: flexibility to suit every room layout without changing the location of the unit!



- Stylish unit blends easily with any interior. The flaps close entirely when the unit is not operating and there are no air intake grilles visible
- Optimum comfort guaranteed with automatic air flow adjustment to the required load
- 5 different discharge angles between 0 and 60°can be programmed via the remote control

- Standard drain pump with 720mm lift increases flexibility and installation speed



More details and final information can be found by scanning or clicking the QR codes.

FXUA-A

					NEW capacity range		
Indoor Unit				**FXUA**	**50A**	**71A**	**100A**
Cooling capacity	Total capacity	At high fan speed		kW	5.6	8.0	11.2
Heating capacity	Total capacity	At high fan speed		kW	6.3	9.0	12.5
Power input - 50Hz	Cooling	At high fan speed		kW	0.050	0.090	0.200
	Heating	At high fan speed		kW	-		
Dimensions	Unit	HeightxWidthxDepth		mm	198x950x950		
Weight	Unit			kg	26		27
Casing	Material				Resin		
Fan	Air flow rate - 50Hz	Cooling	At high/medium/ low fan speed	m^3/min	17/14.5/13	22.5/18.5/16.0	31.0/23.5/21.0
		Heating	At high/medium/ low fan speed	m^3/min	-		
Air filter	Type				Resin net with mold resistance		
Sound power level	Cooling	At high fan speed		dBA	55	58	65
Sound pressure level	Cooling	At high/medium/low fan speed		dBA	37/35/33	40.0/38.0/36.0	47.0/44.0/40.0
	Heating	At high/medium/low fan speed		dBA	37/35/33	40.0/38.0/36.0	47.0/44.0/40.0
Refrigerant	Type/GWP				R-32/675		
Piping connections	Liquid	OD		mm	6.35		9.52
	Gas	OD		mm	12.7		15.9
	Drain				I.D. 20/O.D. 26		
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220-230		
Current - 50Hz	Maximum fuse amps (MFA)			A	16		
Control systems	Infrared remote control				BRC7CB58 / BRC7CB59		
	Wired remote control				BRC1H52W/S/K		

Contains fluorinated greenhouse gases

*Note: blue cells contain preliminary data