DAIKIN

VRV 5

Meet our superhero: VRV 5 Heat Recovery

Purpose-built to support the decarbonisation of commercial buildings

CO_2

Lower CO_2 equivalents

ErP 2021 COMPLIANT

Industry-leading real life efficiencies

SHÎRUDO TECHNOLOGY

Flexibility to take care of every room

Variable Refrigerant Temperature

Variable Refrigerant Temperature

R-32

BLUEVOLUTION

We're on a mission to build a sustainable legacy

It is in our DNA to provide safe, healthy and comfortable spaces throughout the building life cycle using world-leading technology. Driven by a dedication to achieve net zero CO_2 emissions by 2050, we work together with our partners and customers in helping to create a world with healthier indoor air and minimal environmental impact.

Our sustainability values

Supporting decarbonisation

Our solutions are designed to **support your sustainable goals** by reducing the CO_2 footprint of buildings, whether they are new builds or renovations, thanks to the use of lower GWP refrigerants, high real life seasonal efficiency, smart controls and L∞P by Daikin refrigerant reuse.

A collective journey

Together with our partners and customers, we are working towards the sustainable transformation of our buildings. We provide expert **support** and **peace of mind** throughout the building life cycle, ensuring **future-proof** solutions for a healthier planet.

Building for the future

As market leaders in total solutions, we are constantly **innovating to meet your changing needs** and offer you a comfortable, healthy and safe environment.

LOOP BY DAIKIN

BLUEVOLUTION

Continuing our path to lower CO_2 equivalent solutions

Innovation and adaptation are at the heart of Daikin's decarbonisation strategy. When it comes to refrigerant selection, we have a diversity of choice that we are constantly evaluating to determine the appropriate refrigerant for each application and convert our portfolio to lower GWP refrigerants.

For VRV systems, Daikin has assessed various refrigerants based on four criteria: overall environmental impact, energy efficiency, safety and cost-effectiveness. R-32 was determined to be the most balanced for direct expansion heat pumps.

Since launching the VRV 5 S-series with R-32 in 2020, we continue to expand our VRV portfolio with the launch of the VRV 5 Heat Recovery system and a VRV 5 heat pump in the near future.

VRV 5 S-series
2020

VRV 5 Heat Recovery
2022

VRV 5 Heat Pump

Benefits of R-32

R-32 refrigerant has a lower Global Warming Potential and higher efficiency compared to R-410A, making it the most effective sustainable solution for VRF systems today.

- **Lower Global Warming Potential** (GWP): only 1/3rd of R-410A
- **Lower refrigerant charge**: 15% less compared to R-410A
- **Higher energy efficiency**, greatly reducing the indirect CO_2 eq. impact
- **Single component refrigerant**, easy to handle and recycle.

Benefits of VRV systems

VRV systems offer commercial buildings maximum flexibility and peace of mind thanks to the advantages direct expansion (DX) systems have to offer:

- **More responsive:** Immediate reaction to changing conditions helps avoid overheating
- **Highly efficient:** Only 2 energy transfer steps are needed (from air to refrigerant, and from refrigerant to air)
- **Quick and easy to install:** All-in-one box solution without any requirement for field supplied equipment (e.g. gauges, pumps and valves)
- **Limited space requirements:** All components are integrated, and refrigerant piping is compact.

R-32 VRV 5

Lower CO_2 eq. impact, better performance and maximum flexibility

VRV 5 Heat Recovery ensures maximum comfort and efficiency while significantly reducing a building's environmental footprint. What's more its smart, compact and responsive design makes for flexible and easy installation in any commercial building. In fact, it's not just a single champion device – it's an unstoppable team of heroes assembled in one superpowered system.

Sustainability

VRV 5 Heat Recovery is taking sustainable climate control to new heights thanks to its innovative and highly efficient new design.

The VRV system is more sustainable over its entire lifecycle, **reducing the indirect CO_2 eq. impact** thanks to a highly effective 3-pipe heat recovery design and market-leading seasonal efficiency with high ηs,c values of up to 298.3%. This makes it the perfect partner for your BREEAM, LEED or WELL project.

The system is specifically built for R-32 refrigerant greatly **reducing** the potential **direct CO_2 eq. impact.**

› 68% less Global Warming Potential (GWP) than R-410A.
› 15% less refrigerant charge than R-410A.
› A 71% GWP reduction across the entire system.
› Single component refrigerant charge, easy to re-use and recycle.

Ultra-flexible climate control

Any commercial building can benefit thanks to:
› Same **piping flexibility** as R-410A.
› Unmatched outdoor unit **capacity up to 90kW** in heating.
› Widest range of dedicated R-32 indoor units on the market.

It can be installed practically anywhere thanks to:
› Quiet operation via **5 low sound steps**, bringing sound pressure down to 40 dB(A).
› **High ESP** up to 78Pa allowing concealment indoors.
› **Wide operation range** up to +46°C in cooling and down to -20°C in heating.

Shîrudo Technology truly sets the VRV 5 Heat Recovery apart

SHÎRUDO TECHNOLOGY

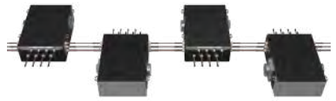
With Shîrudo Technology, you have a fully versatile and responsive system that can accurately control the indoor climate of any room or surface.

› **Peace of mind** as no additional considerations or time-consuming studies are needed.
› **Factory-integrated** refrigerant response measures, compliant with the IEC product standard, third-party approved by a notified body.
› **Easy design and selection** thanks to the integration of VRV Xpress floorplan.
› With built-in Shîrudo Technology, potential leaks are quickly detected and isolated – greatly reducing direct emissions impact.

Want to know more about the IEC product standard and implementation? Refer to page 16.

Quick and easy installation & support

VRV 5 Heat Recovery offers quick and easy installation thanks to:
› The **flow through principle**, reducing the number of brazing points and joints needed
› A completely redesigned BSSV box that requires **less ceiling height**
› A **sliding down PCB** for straightforward servicing.



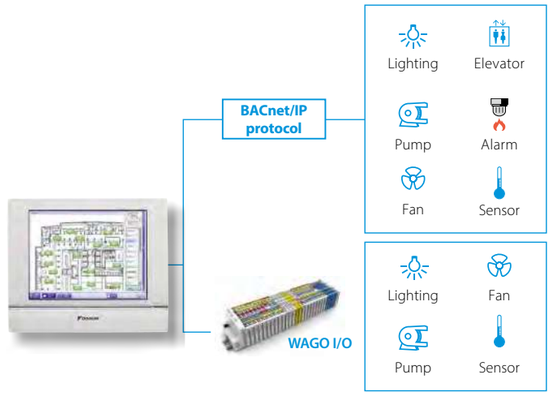
And never fear, support is always here. You'll have access to an extensive network of experts to make installation and maintenance simple and stress-free.

A smart approach to comfort

Daikin's signature Variable Refrigerant Temperature ensures maximum comfort and is completely customisable to meet customers' requirements, with the **widest range of specifically designed R-32 indoor units**.

VRV 5 Heat Recovery can match any room size, shape and integration ventilation units for optimum Indoor Air Quality.

And Daikin is committed to constantly innovating its systems to be smarter and easier to control. Our VRV 5 Heat Recovery system is compatible with **Daikin's mini BMS: Intelligent Touch Manager** – a smart energy management system offering real time data for full control of your energy use. For further ease of use, we offer **intuitive online and voice control** via the Onecta app.



VRV 5 outdoor unit overview

Capacity class (kW)

Model		Product name		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 Shīrudo Technology › The perfect personal comfort thanks to simultaneous cooling and heating	REYA-A 		●	●	●	●	●	●	●	●	●	●	●	○			○	○			
Cooling Capacity				22.4	28.0	33.5	40.0	45.0	50.4	56.0	61.5	67.4	73.5	78.5								
Heating Capacity				25.0	31.5	37.5	45.0	50.0	56.5	63.0	69.0	75.0	82.5	87.5								

● Single unit, ● Multi combination

Branch selector (BS box) overview

Capacity class

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

VRV 5 outdoor units have the highest capacity on the market – up to 90kW

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 		●	●	●	●	●	●									
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 developted 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 		●	●	●	●	●	●	●		●	●	●	●			
	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 developted 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

Black and designer panels

Auto cleaning filter option

VRV 5 has the widest range of indoor units specifically designed for R-32 on the market

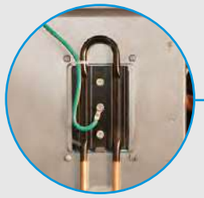
Next generation VRV

7-segment display for quick and accurate error diagnostics

› Outdoor unit display for quick on-site settings and easy read out of errors
› Indication of service parameters for checking basic functions

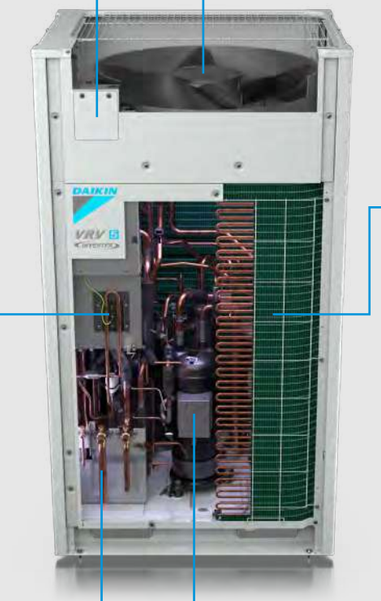
Asymmetric fan design

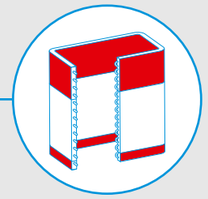
› High ESP up to 78Pa to allow ducting
› Low sound levels down to 40 dB(A)



Refrigerant-cooled PCB

› Reliable cooling because it is not influenced by ambient air temperature
› Smaller switchbox for smoother air flow through the heat exchanger, increasing heat exchange efficiency by 5%



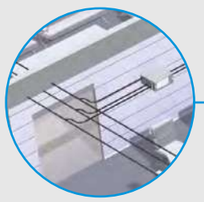


4-sided, 3-row heat exchager

› Thanks to the large surface of the heat exchanger (up to 235m²) VRV units are compact, light and highly efficient

New inverter compressor

› Specifically developed for R-32 refrigerant
› Back pressure control increasing efficiency in low load operation



Unmatched piping flexibility

› Longest length up to 165m
› Total length 1,000m

Advantages
of 3-pipe technology

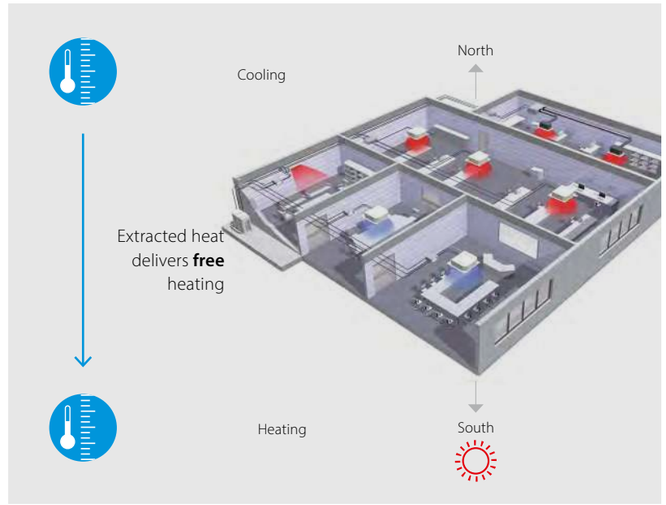
"Free" heat production

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

Maximum comfort

A VRV heat recovery system allows simultaneous cooling and heating.

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

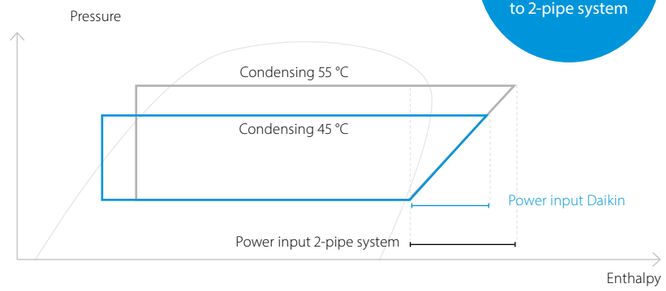


More "free" heat

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.

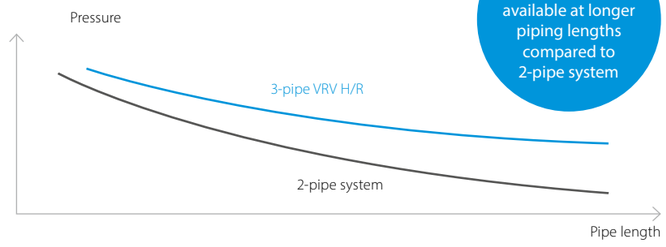
5 to 15 % more efficient in heat recovery mode compared to 2-pipe system



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 larger pressure drop

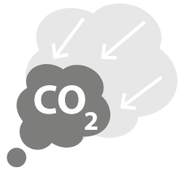
Up to 5 % more cooling capacity available at longer piping lengths compared to 2-pipe system



VRV 5 Heat Recovery

Purpose-built to support the decarbonisation of commercial buildings

- Reduced CO_2 equivalent thanks to the use of lower GWP R-32 refrigerant and lower refrigerant charge
- Single component refrigerant, easy to re-use and recycle
- Greatest 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 without any additional measures, thanks to Shîrudo Technology
- Specially designed indoor units for R-32, ensuring low sound and maximum efficiency
- Simultaneous cooling and heating for the perfect personal comfort of guests/tenants
- Like for like R-410A installation flexibility with piping lengths up to 165 meters and a total length of 1,000 meters
- Sound pressure down to 40 dB(A) thanks to 5 low sound steps
- ESP up to 78 Pa to allow ducting
- Wide operation range of up to +46°C in cooling and down to -20°C in heating



Lower CO_2 equivalents

5 low sound steps

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
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
Recommended combination					4 x FXFA50A2VEB	4 x FXFA63A2VEB	6 x FXFA50A2VEB	1 x FXFA50A2VEB + 5 x FXFA63A2VEB	4 x FXFA63A2VEB + 2 x FXFA80A2VEB	3 x FXFA50A2VEB + 5 x FXFA63A2VEB	2 x FXFA50A2VEB + 6 x FXFA63A2VEB
ηs,c				%	290.8	282.6	285.3	306.1	281.0	280.6	262.2
ηs,h				%	161.5	170.2	176.4	168.3	167.5	172.5	162.7
SEER					7.35	7.14	7.21	7.73	7.10	7.09	6.63
SCOP					4.11	4.33	4.49	4.28	4.26	4.39	4.14
Maximum number of connectable indoor units					64						
Indoor index connection	Min.				100	125	150	175	200	225	250
	Max.				260	325	390	455	520	585	650
Dimensions	Unit	HeightxWidthxDepth		mm	1,685 x930 x765			1,685 x1,240 x765			
Weight	Unit			kg	213			296		319	
Sound power level	Cooling	Nom.		dBA	78.3	78.8	82.5	78.7	83.7	83.4	87.9
Sound pressure level	Cooling	Nom.		dBA	56.3	58.0	60.8	58.1	61.4	63.0	67.0
Operation range	Cooling	Min.~Max.		°CDB	-5 ~46						
	Heating	Min.~Max.		°CWB	-20 ~16						
Refrigerant	Type/GWP				R-32/675.0						
	Charge			kg/TCO2Eq	9.00 /6.08			10.6 /7.16			
Piping connections	Liquid	OD		mm	9.52			12.70			
	Gas	OD		mm	19.1			22.2			28.6
	HP/LP gas	OD		mm	15.90			19.10			22.20
	Total piping length	System	Actual	m	1,000						
Power supply	Phase/Frequency/Voltage			Hz/V	3N~/50 /380-415						
Current - 50Hz	Maximum fuse amps (MFA)			A	20	25	32		40		50

Completely redesigned BSSV boxes for faster installation and easier servicing

Widest R-32 VRV range in the market

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
Cooling capacity	Prated,c		kW	28.0	36.4	44.8	50.4	55.9	61.5	67.4	73.5	78.5
Heating capacity	Prated,h		kW	28.0	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
Recommended combination				4 x FXFA63A2VEB	3 x FXFA50A2VEB + 3 x FXFA63A2VEB	4 x FXFA63A2VEB + 2 x FXFA80A2VEB	4 x FXFA50A2VEB + 4 x FXFA63A2VEB	10 x FXFA50A2VEB	6 x FXFA50A2VEB + 4 x FXFA63A2VEB	4 x FXFA50A2VEB + 4 x FXFA63A2VEB + 2 x FXFA80A2VEB	7 x FXFA50A2VEB + 5 x FXFA63A2VEB	6 x FXFA50A2VEB + 4 x FXFA63A2VEB + 2 x FXFA80A2VEB
ηs,c			%	301.9	296.5	293.0	287.5	287.6	283.6	283.4	296.2	282.8
ηs,h			%	160.6	161.5	170.9	170.5	172.2	173.3	165.2	172.0	171.5
SEER				7.62	7.49	7.40	7.26	7.27	7.17	7.16	7.48	7.15
SCOP				4.09	4.11	4.35	4.34	4.38	4.41	4.20	4.38	4.36
Maximum number of connectable indoor units				64								
Indoor index connection	Min.			125	163	200	225	250	275	300	325	350
	Max.			325	423	520	585	650	715	780	845	910
Piping connections	Liquid	OD	mm	9.52	12.70						15.90	
	Gas	OD	mm	19.1	22.2			28.6				
	HP/LP gas	OD	mm	15.90	19.10			22.20				
	Total piping length	System Actual	m	500				1,000				
Power supply	Phase/Frequency/Voltage		Hz/V	3N~/50 /380-415								
Current - 50Hz	Maximum fuse amps (MFA)		A	40		50		63				

Outdoor unit module			REMA	5A
Dimensions	Unit	HeightxWidthxDepth	mm	1,685 x930 x765
Weight	Unit		kg	213
Fan	External static pressure	Max.	Pa	78
Sound power level	Cooling	Nom.	dBA	78.3
Sound pressure level	Cooling	Nom.	dBA	56.3
Operation range	Cooling	Min.~Max.	°CDB	-5 ~46
	Heating	Min.~Max.	°CWB	-20 ~16
Refrigerant	Type/GWP			R-32/675.0
	Charge		kg/TCO2Eq	9.00 /6.08
Power supply	Phase/Frequency/Voltage		Hz/V	3N~/50 /380-415
Current - 50Hz	Maximum fuse amps (MFA)		A	20

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

NEW BS-A14AV1B

Multi branch selector (BSSV) for VRV 5 Heat Recovery

Specifically developed for lower GWP R-32

› **Reduced CO_2 equivalent** thanks to the use of lower GWP R-32 refrigerant and lower refrigerant charge

› Unique range of multi BS boxes allowing **efficient 3-pipe** heat recovery

› No limitation on room size, thanks to **Shîrudo Technology** (1)
The integrated shut-off valves in the BSSV box ensure that in case of a refrigerant leak only the specific branch is closed off.

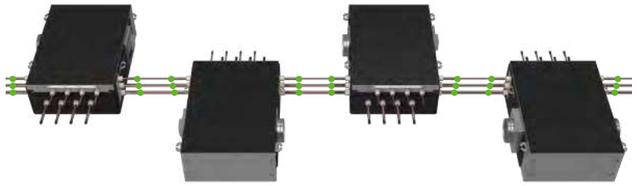
Reduced CO_2 equivalent

Flexibility to take care of every room

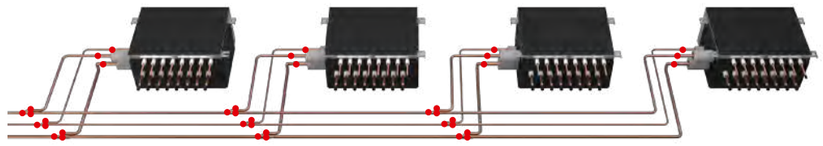
Completely redesigned for faster installation and easier servicing

› Faster installation thanks to **Refrigerant Flow Through** reducing the number of brazing points and joint kits

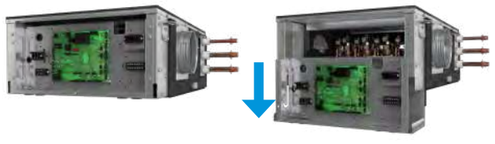
VRV 5: only 24 brazings point and no joint kits



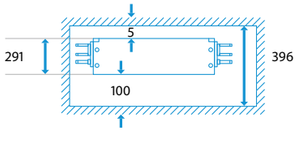
VRV 5: 39 brazing points and 3 joint kits



› Easy servicing in false ceillings thanks to **sliding down PCB**



› Limited ceiling void required as the box can be installed at just 5mm from the ceiling

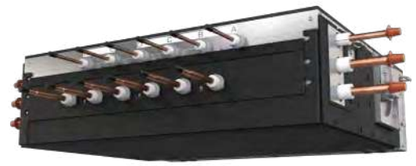


(1) Refer to Xpress selection software to ensure compliance to specific product standard. Field supplied duct and fan might be required to install the BS box in very small spaces

SHÎRUDO TECHNOLOGY

VRV 5 BLUEVOLUTION

› Unique range of multi BS boxes allowing efficient 3-pipe heat recovery
› NEW No limitation on room size, thanks to Shîrudo Technology (1)
› NEW Faster installation thanks to Refrigerant Flow Through reducing the number of brazing points and joint kits
› NEW Easy servicing in false ceilings thanks to sliding down PCB
› NEW Limited ceiling void required as the box can be installed at just 5mm from the ceiling
› NEW Quick on-site settings, indication of service parameters and easy read out of errors thanks to 7 segment display
› Up to 16kW capacity available per port
› Connect up to 250 class unit (28kW) by combining 2 ports
› No limit on unused ports allowing phased installation
› Faster installation thanks to open port connection
› Allows multi tenant applications
› Connectable to REYA-A heat recovery units



BS6A14AV1B

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

BS-A14AV1B

Branch selector				BS	4A14AV1B	6A14AV1B	8A14AV1B	10A14AV1B	12A14AV1B
Maximum number of connectable indoor units					20	30	40	50	60
Maximum number of connectable indoor units per branch					5				
Number of branches					4	6	8	10	12
Maximum capacity index of connectable indoor units					400	600	750		
Maximum capacity index of connectable indoor units per branch					140 (250 if 2 ports are combined)				
Dimensions	Unit	HeightxWidthxDepth		mm	291x600x845	291x1,000x845		291x1,400x845	
Weight	Unit			kg	40	56	65	83	89
Casing	Material				Galvanised steel plate				
Piping connections	Outdoor unit or Refrigerant Flow Through	Liquid	Type		Brazing connection				
			OD	mm	9.5 (2) / 12.7 (2) / 15.9				
		Gas	Type		Brazing connection				
			OD	mm	15.9 (2) / 19.1(2) / 22.2(2) / 28.6				
		Discharge gas	Type		Brazing connection				
			OD	mm	12.7 (2) / 15.9(2) / 19.1(2) / 22.2				
	Indoor unit	Liquid	Type		Brazing connection				
			OD	mm	6.4(3) / 9.5 (4)				
		Gas	Type		Brazing connection				
			OD	mm	9.5 (5) / 12.7 (6) / 15.9 (4)				
	Drain				VP20 (I.D. 20/O.D. 26)				
BS units connected in Refrigerant Flow Through	Maximum allowed amount of BS units				4				
	Maximum total number of ports of BS units				16				
	Maximum total capacity index of indoor unit				750				
Sound absorbing thermal insulation					Urethane foam, polyethylene foam				
BS box system safety requirements	Dust connection diameter on unit			mm	160.0				
	Dust connection positions				Left/Right				
Power supply	Phase				1~				
	Frequency			Hz	50				
	Voltage			V	220-440				
	Maximum fuse amps (MFA)			A	15				

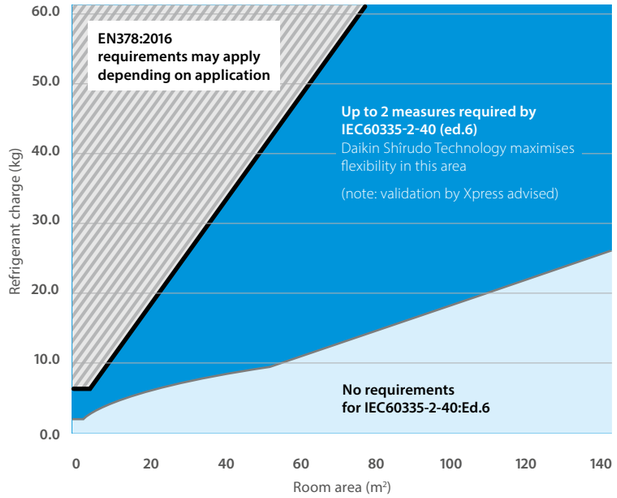
Contains fluorinated greenhouse gases | (1) Refer to Xpress selection software to ensure compliance to specific product standard. Field supplied duct and fan might be required to install the BS box in very small spaces | (2) Accessory pipe required | (3) When connecting indoor units smaller or equal to 80 class (no need to cut the outlet pipe) | (4) When connecting indoor units larger or equal to 100 class (the outlet pipe needs to be cut) | (5) When connecting indoor units smaller or equal to 32 class (no need to cut the outlet pipe) | (6) When connecting indoor units between 40 & 80 class (the outlet pipe needs to be cut)

Did you know …

different standards regarding F-gas safety regulations exist?

Refrigerants can be classified according to 2 safety groups:
› Flammability (1, 2L, 2, 3): covered by the specific heat pump standard **IEC60335-2-40 (Ed. 6)** as it prevails over EN378:2016
› Toxicity (A or B): covered by the generic standard on refrigerants **EN378:2016.**

Shîrudo Technology focuses on offering maximum flexibility within the IEC60335-2-40 (Ed.6) requirements as limitations for flammability of A2L refrigerants are stricter than the ones for toxicity.



Peace of mind

SHÎRUDO TECHNOLOGY

With Shîrudo Technology, Daikin ensures compliance to the product standard IEC60335-2-40 (Ed. 6) for indoor units. With factory-integrated refrigerant control measures, these systems are also the quickest and most flexible to design.

There is **no need for complex and time consuming calculations**, even for small room applications. And BSSV boxes come with a ventilated enclosure for quick and simple integration of any potential additional measures – making installation in demanding spaces easier than ever.

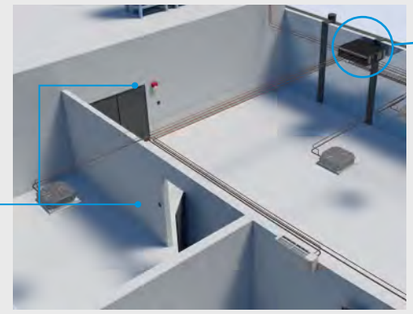
For stress free design of any commercial building, validate your project in our Xpress software, featuring floor plan integration.

Refrigerant control measures factory-integrated

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

Integrated sensors to detect refrigerant leak.
Leak detection activates:

Example for VRV 5 Heat Recovery



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

2 Refrigerant recovery and shut-off valves

› Shut off valves of the affected refrigerant branch are closed, containing the leak
› The rest of the system remains in operation

Compliance taken care of

› No study or calculations needed on where and how to install outdoor or indoor units.
› No need for studies to decide if and what safety measures are required.
› Third party CB certified by a notified body (SGS CEBEC).

Automatic, real time leak detection and refrigerant containment controls

› Fully compliant to product standard (IEC60335-2-40), reducing the risk of direct CO_2 eq. impact from a refrigerant leak.
› Real time leak detection sensors, triggering refrigerant containment safety measures in the unlikely event of a leak.

(1) Refer to Xpress selection software to ensure compliance to specific product standard.
Field supplied duct and fan may be be required to install the BS box in very small spaces.

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.	○	○						○ NEW
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. After 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	3 + auto	3 (50-125) 3 + auto (200-250)	3 + auto	3	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.	● (4)	● (4)	○ (4)	○ (4)	○ (4)	○ (4)	○ (4)	

● standard, ○ optional

(1) Must be combined with Madoka wired remote controller.
(2) Pre filter
(3) BRC1H52W/S/K is a required option
(4) Only in combination with REYA outdoor units

The most comfortable cassette just got better

New round flow cassette

› **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

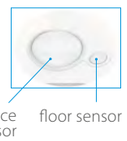
Black auto cleaning panel

Black designer panel

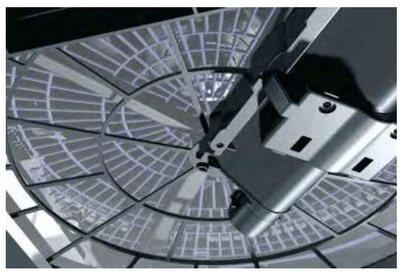
Full white standard panel

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.

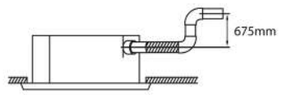
* Available as an option

FXFA-A

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



FXFA-A

BRC1H52W, BRP069C51

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 availble. 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

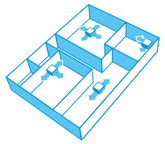
› Engineering excellence and unique design in one
› Most quiet unit (25dBA)
› Perfect working conditions: no more cold draughts
› Save up to 27% on your energy bill thanks to the optional sensors
› Flexible usage of space and suits any room configuration thanks to individual flap control
› User-friendly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

BLUEVOLUTION

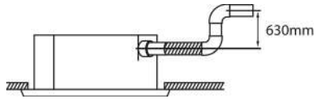
Fully flat cassette

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

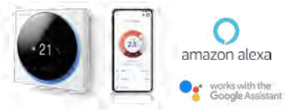
› Optimised design for R-32 refrigerant
› Fully flat integration in standard architectural ceiling tiles, leaving only 8mm
› Remarkable blend of iconic design and engineering excellence with an elegant finish in white or a combination of silver and white
› Two optional intelligent sensors improve energy 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



FXZA-A



BRC1H52W, BRP069C51

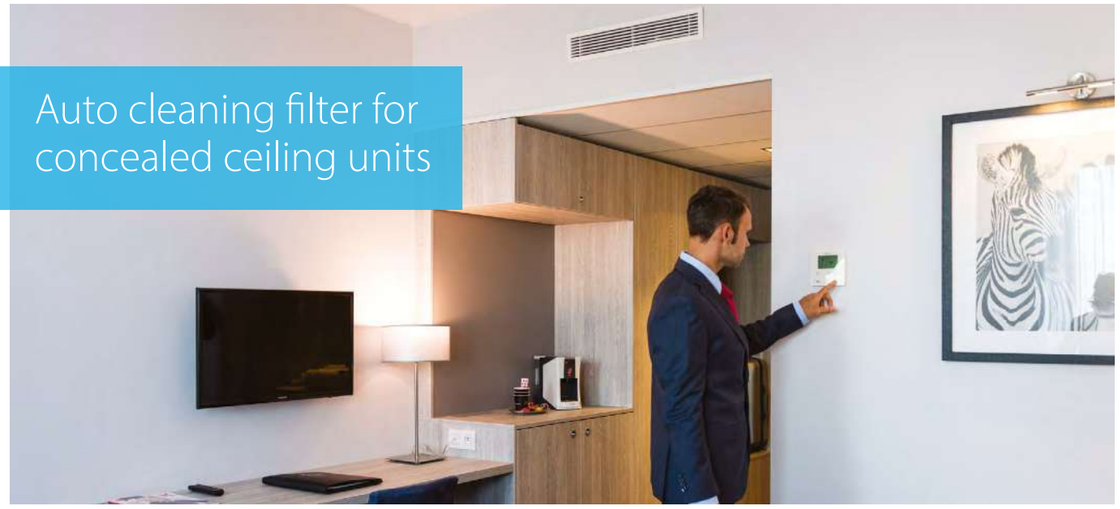
More details and final information can be found by scanning or clicking the QR codes.

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					

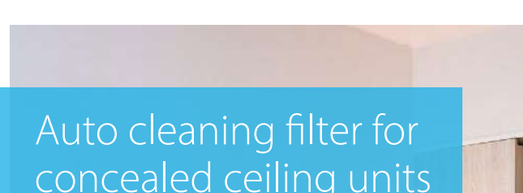
Dimensions do not include control box | (1) Must be combined with Madoka wired remote controller* feature | Contains fluorinated greenhouse gases

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



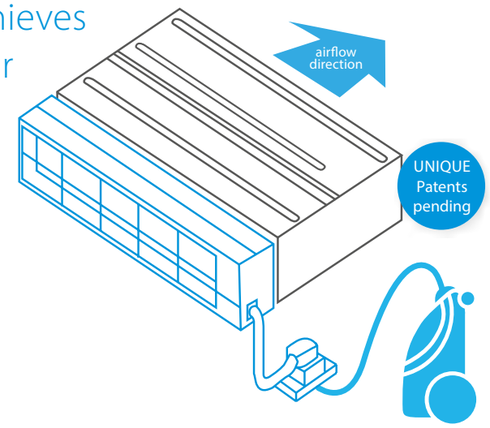
Minimal time required for filter cleaning
› The dust box can be emptied with a vacuum cleaner for fast and easy cleaning
› No more dirty ceilings

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

Unique in the market



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		

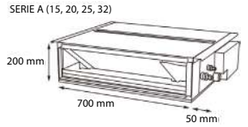
FXDA-A

BLUEVOLUTION

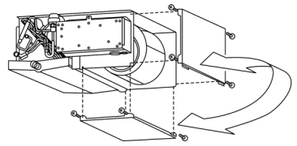
Slim concealed ceiling unit

Slim design for flexible installation

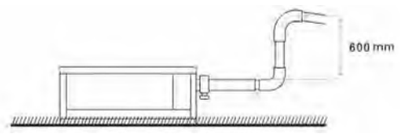
› Optimised design for R-32 refrigerant
› 10 class unit especially developed for small or well-insulated rooms, such as hotel bedrooms, small offices, etc.
› Compact dimensions, can easily be mounted in a ceiling void of only 240mm

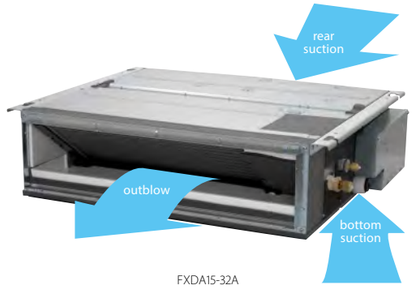


› Medium external static pressure up to 44Pa facilitates unit use with flexible ducts of varying lengths
› Discretely concealed in the wall: only the suction and discharge grilles are visible
› Optional auto cleaning filter option ensures maximum efficiency, comfort and reliability by regular filter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

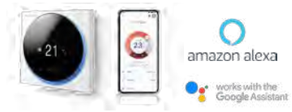


› Standard drain pump with 600mm lift increases flexibility and installation speed

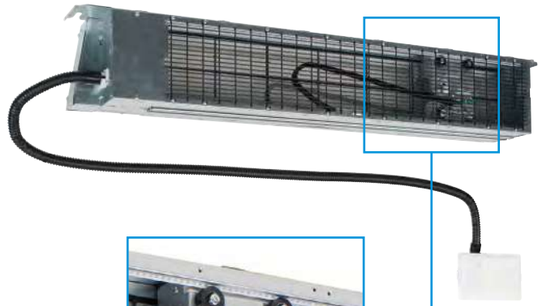


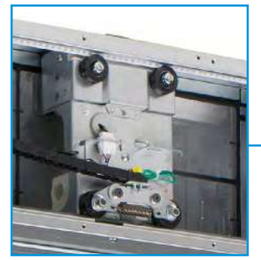


FXDA15-32A



BRC1H52W, BRP069C51





Auto cleaning filter option

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

FXDA-A

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				Galvanised steel							
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

BLUEVOLUTION

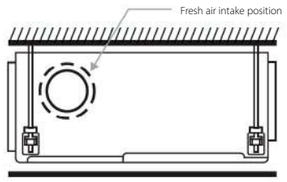
Concealed ceiling unit with medium ESP

Slimmest yet most powerful medium static pressure unit on the market

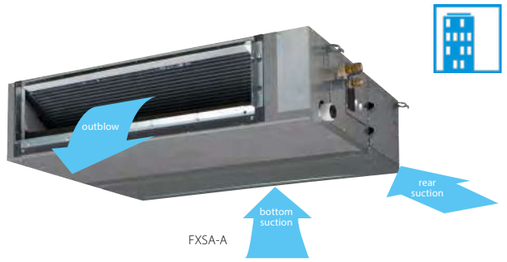
› Optimised design for R-32 refrigerant
› Slimmest unit in class, only 245mm (300mm built-in height) and therefore narrow ceiling voids are no longer a challenge

› 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

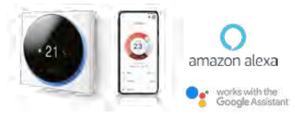
Fresh air intake opening in casing



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

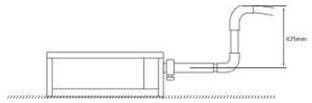


FXSA-A



BRC1H52W, BRP069C51

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

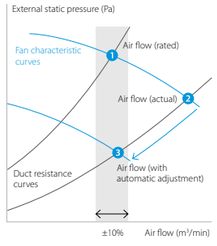


Automatic Airflow Adjustment function

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

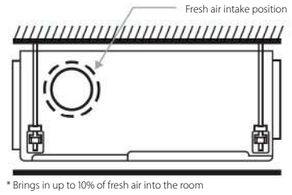
BLUEVOLUTION

Concealed ceiling unit with high ESP

Ideal for large sized spaces ESP up to 270 Pa

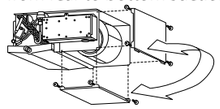
› Optimised for R-32 refrigerant
› Possibility to change ESP via wired remote control allows optimisation of the supply air volume
› High external static pressure up to 270Pa facilitates extensive duct and grille network
› Discretely concealed in the wall: only the suction and discharge grilles are visible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

Fresh air intake opening in casing



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

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

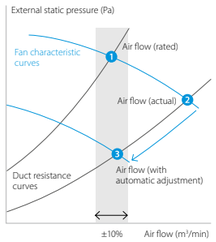


Automatic Airflow Adjustment function

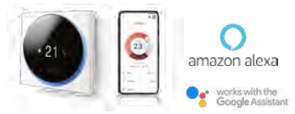
Automatically selects the most appropriate fan curve to achieve the units' nominal air flow within ±10%

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

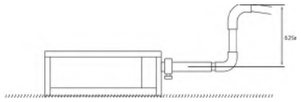


FXMA50-80A



BRC1H52W, BRP069C51

› 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		0.125	0.140	0.198	0.191	0.254	0.54	0.65
	Heating	At high fan speed		kW		0.125	0.140	0.198	0.191	0.254	0.54	0.65
Required ceiling void >				mm				350			-	
Dimensions	Unit	HeightxWidthxDepth		mm			300x1,000x700			300x1,400x700	470x1,572x1,143	
Weight	Unit			kg			35			46	105	115
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	32.0/27.0/23.0	36.0/30.0/26.0	62.0/48.0/41.0	74.0/64.0/52.0
		Heating	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	32.0/27.0/23.0	36.0/30.0/26.0	62.0/48.0/41.0	74.0/64.0/52.0
	External static pressure - 50Hz	Factory set / High		Pa			200/100				250/150	
Air filter	Type							Resin net			-	
Sound power level	Cooling	H/M/L fan speed		dBA		61.0/60.0/58.0	64.0/61.0/59.0	67.0/64.0/62.0	65.0/61.0/56.0	70.0/66.0/62.0	75.0/74.0/72.0	76.0/75.0/73.0
	Heating	H/M/L fan speed		dBA		62.0/61.0/59.0	65.0/62.0/60.0	68.0/65.0/63.0	66.0/62.0/57.0	71.0/67.0/63.0	75.0/74.0/72.0	76.0/75.0/73.0
Sound pressure level	Cooling	H/M/L fan speed		dBA		41.0/39.0/37.0	42.0/40.0/38.0	43.0/41.0/39.0		44.0/42.0/40.0	48.0/46.5/45.0	
	Heating	H/M/L fan speed		dBA		41.0/39.0/37.0	42.0/40.0/38.0	43.0/41.0/39.0		44.0/42.0/40.0	48.0/46.5/45.0	
Refrigerant	Type/GWP							R-32/675				
Piping connections	Liquid	Type/OD		mm			Flare connection 6.35			Flare connection 9.52		
	Gas	Type/OD		mm			Flare connection 12.7		Flare connection 15.9		Flange 19.1	
	Drain						VP25 (I.D. 25/O.D. 32)				BSP1	
Power supply	Phase/Frequency/Voltage			Hz/V			1~/50/60/220-240/220				1~/50/60/220-230	
Current – 50Hz	Maximum fuse amps (MFA)			A			6					
Control systems	Infrared remote control						BRC4C65					
	Wired remote control						BRC1H52W/S/K					

Contains fluorinated greenhouse gases

BLUEVOLUTION

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

FXAA-A

BRC1H52W, BRP069C51

amazon alexa

works with the Google Assistant

3 fan speeds available!

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						

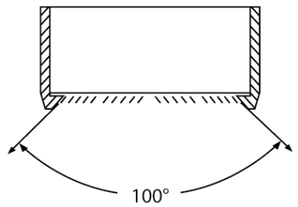
(1) Must be combined with Madoka wired remote controller | Contains fluorinated greenhouse gases

BLUEVOLUTION

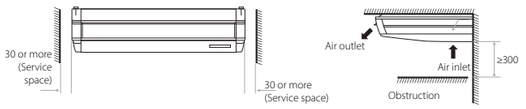
Ceiling suspended unit

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

FXHA63A

BRC1H52W, BRP069C51

amazon alexa

works with the Google Assistant

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

FXHA-A

Indoor Unit				FXHA	32A	NEW capacity range 50A	63A	100A
Cooling capacity	Total capacity	At high fan speed	kW		3.6	5.6	7.1	11.2
Heating capacity	Nom.				4.0	6.3	8.0	12.5
	Total capacity	At high fan speed	kW		4.0	6.3	8.0	12.5
Power input – 50Hz	Cooling	At high fan speed	kW		0.033	0.037	0.051	0.086
	Heating	At high fan speed	kW		0.033	0.037	0.051	0.086
Dimensions	Unit	HeightxWidthxDepth	mm		235x960x690	235x1,270x690		235x1,590x690
Weight	Unit		kg		28	36		43
Casing	Material				Resin, sheet metal			
Fan	Air flow rate – 50Hz	Cooling	At high/medium/ low fan speed	m^3/min	12.5/11.0/10.0	16.0/14.0/12.5	17.5/15.0/13.0	27.0/22.0/19.0
		Heating	At high/medium/ low fan speed	m^3/min	12.5/11.0/10.0	16.0/14.0/12.5	17.5/15.0/13.0	27.0/22.0/19.0
Air filter	Type				Resin net with mold resistance			
Sound power level	Cooling	At high/medium/low fan speed		dBA	54.0/52.0/49.0	54.0/52.0/50.0	55.0/53.0/52.0	62.0/55.0/52.0
	Heating	At high/medium/low fan speed		dBA	54.0/52.0/49.0	54.0/52.0/50.0	55.0/53.0/52.0	62.0/55.0/52.0
Sound pressure level	Cooling	At high/medium/low fan speed		dBA	36.0/34.0/31.0	36.5/34.5/33.0	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	36.5/34.5/33.0	37.0/35.0/34.0	44.0/37.0/34.0
Refrigerant	Type/GWP				R-32/675			
Piping connections	Liquid	OD		mm	6.4			9.52
	Gas	OD		mm	9.52	12.7		15.9
	Drain				VP20			
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				BRC7GA53-9			
	Wired remote control				BRC1H52W/S/K			

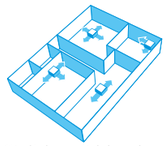
Contains fluorinated greenhouse gases

NEW FXUA-A

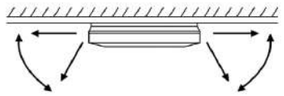
4-way blow ceiling suspended unit

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



BLUEVOLUTION

FXUA-A

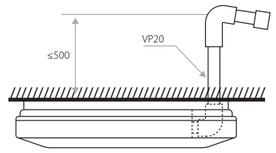
BRC1H52W, BRP069C51

amazon alexa

works with the Google Assistant

UNIQUE

- 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	0.029	0.055	0.117
	Heating	At high fan speed	kW	0.029	0.055	0.117
Dimensions	Unit	HeightxWidthxDepth	mm	198x950x950		
Weight	Unit		kg	27		28
Casing	Material			Resin		
Fan	Type			Turbo fan		
	Quantity			1		
	Air flow rate – 50Hz	Cooling At high/medium/low fan speed	m^3/min	17.0/14.5/13.0	22.5/18.5/16.0	31.0/25.5/21.0
		Heating At high/medium/low fan speed	m^3/min	17.0/14.5/13.0	22.5/18.5/16.0	31.0/25.5/21.0
Air filter	Type			Resin net		
Sound power level	Cooling	At high/medium/low fan speed	dBA	55.0/53.0/51.0	58.0/56.0/54.0	65.0/62.0/58.0
	Heating	At high/medium/low fan speed	dBA	55.0/53.0/51.0	58.0/56.0/54.0	65.0/62.0/58.0
Sound pressure level	Cooling	At high/medium/low fan speed	dBA	37.0/35.0/33.0	40.0/38.0/36.0	47.0/44.0/40.0
	Heating	At high/medium/low fan speed	dBA	37.0/35.0/33.0	40.0/38.0/36.0	47.0/44.0/40.0
Refrigerant	Type/GWP			R-32/675		
Piping connections	Liquid	OD	mm	6.4		9.52
	Gas	OD	mm	12.7		15.9
	Drain			VP20		
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			BRC7CB58 / BRC7CB59		
	Wired remote control			BRC1H52W/S/K		

Contains fluorinated greenhouse gases

Meet our superhero: VRV 5 Heat Recovery

Purpose-built to support the decarbonisation of commercial buildings

Support your customers in future-proofing their buildings with a breakthrough solution for sustainable climate control.

Now, more than ever, we all have a part to play in reducing our environmental impact. That's why Daikin is introducing the VRV 5 Heat Recovery unit with innovative new superpowers that make it a future-proof climate solution. Smarter and more responsive than ever – it offers you and your customers complete peace of mind.

Help your customers reduce their CO_2 footprint now while enjoying maximum comfort and ease of use. Visit **www.daikin.eu/VRV5HR** to learn more about the VRV 5 Heat Recovery unit.

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