DAIKIN

SkyAir

Sky Air

Product catalogue 2023 for professionals

INTERACTIVE pdf

SkyAir A-series

BLUEVOLUTION

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 **world-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.

Supporting in decarbonization

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

Taking on the sustainable transformation, our solutions reduce the CO_2 footprint of buildings, whether they are new builds or renovations:

- Reusing existing refrigerant through **L∞P Daikin**, we **reuse resources** already available in the market, fully supporting the EU circular economy at a low carbon footprint
- If needed we introduce virgin refrigerant through **lower GWP refrigerants** such as R-32 reducing the direct CO2eq impact
- Maximizing sustainability over the entire life cycle, thanks to market-leading **real life seasonal efficiencies**
- Ensuring systems run efficiently 24/7 through **smart controls**

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:

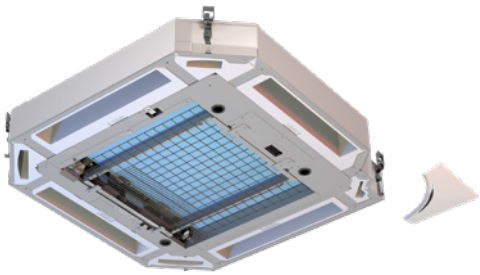
- A **wide range** of next-generation heat pumps to meet complex demands, including **easy upgrading extending the lifetime of our equipment**
- Expert **indoor air quality solutions** through our ventilation and filtration systems to eliminate pollutants and balance humidity levels

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're in it for the **long term**. We deliver what we commit to, providing clear and trustworthy data

What's new?



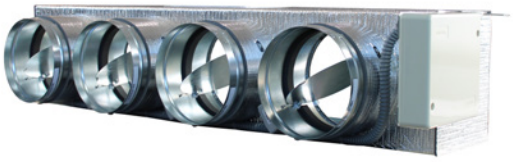
UV Streamer kit

BAEF125AWB

p. 20

NEW

- Purifies the air of pollutants such as viruses, bacteria, fine dust (PM1.0), oudeurs, allergens, etc
- Removes 99.90% of viruses in 30 minutes thanks to the Catch and Clean approach
  - Highly efficient ePM1.0 filter
  - UVC light and Streamer technology for cleaning and decompostion of pollutants
- Available in combination with standard and white Round Flow decoration panels
- Can be reftrofitted into existing installations



Extention of multi zoning kits

AZEZ6DAIBS07

p. 33

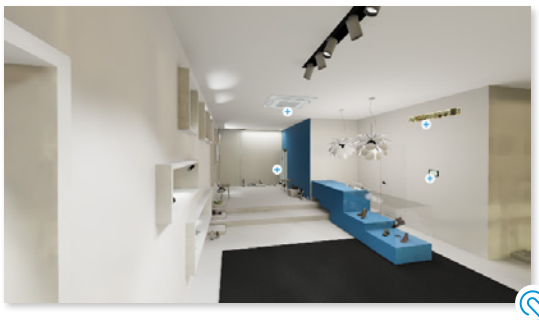
NEW

- New lower height range directly connectable to medium ESP concealed ceiling units
- The multi-zoning system is a room-by-room controller, fitted with motorised dampers
- Up to 8 individual zones can be served
- Time-saving as plenum comes fully pre-assembled with dampers and control boards

B2B experience center

- Discover Daikin's unique product line-up
- Access to detailed information and technical documentation

https://virtual-experience-center.daikin.eu/#flipmouse



Customer experience center

- Discover Daikin's dedicated solutions for residential and light commercial applications
- Ideal to show your customers how our solutions integrate in their building

Daikin Experience Center

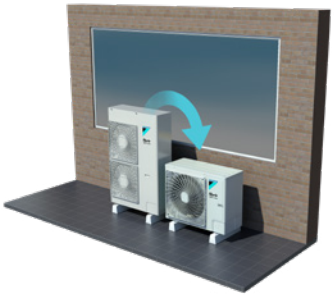
Table of contents

SkyAir Advance-series

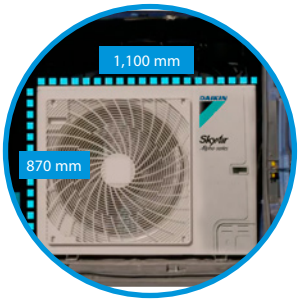
SkyAir Alpha-series

Low height. High value.

Unique, low-height single fan range



Compact unit, easy to transport



Market-leading serviceability and handling

Fast and easy access to all critical component

- Single screw access
- Wider access area

Newly positioned handle for easier carrying

The smart way for sound reduction

Daikin dedicated solution for sound reduction

Meet strict sound requirements, while increasing flexiblity to apply Sky Air and VRV heat pumps thanks to sound power reduction of up to 10 dB(A).

- **Guaranteed high performance:** optimised design to keep the capacity and air flow as close as possible to the standard conditions
- **Faster and reliable planning:** no calculations or estimations necessary thanks to tested data according to ISO 3744
- **Perfect fit:** specially designed for Sky Air and VRV heat pumps
- **Maximum flexibility:** can be installed and retrofitted on any plain surface
- **Easy access:** simple and fast installation and maintenance through large side panels with fast locks
- **Designed to be discreet:** tailor-made low height design; highly aesthetic finishing and smooth surface in anthracite colour-tone

www.daikin.eu/en_us/products/ekln-a.html

Sky Air VRV

7 reasons why Sky Air is unique in the market

1 Full Sky Air R-32 range delivering future-proofed, best-in-class climate control

Sky Air A-series BLUEVOLUTION

More details on page 60

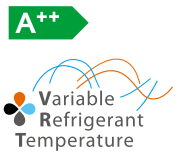
System	Type	Model	Product name	35	50	60	71	100	125	140	200	250
				3.5 kW	5.0 kW	6.0 kW	6.8 kW	9.5 kW	12.1 kW	13.4 kW	21.5 kW	23.6 kW
Air cooled	Heat pump	**Sky Air Alpha-series** R-32 A++ (A+++ - D) - Industry leading technology for commercial applications - Dedicated solution for infrastructure cooling - Variable Refrigerant Temperature (RZAG71-100-125-140 series) - Maximum piping length up to 85m (50m for RZAG35-50-60) - Replacement technology - Extended operation range down to -20°C in both heating and cooling - Pair, twin, triple and double twin application (RZAG71-100-125-140 series)	RZAG-A RZAG-NV1/NY1									
		Sky Air Advance-series R-32 A+ (A+++ - D) - Technology and comfort combined for commercial applications - Very compact and easy to install outdoor units - Maximum piping length up to 50m (RZA-D up to 100m) - Replacement technology - Operation range down to -15°C both cooling and in heating (RZA-D down to -20°C) - Pair, twin, triple and double twin application	RZASG-MV1/MY1									
			RZA-D									
		Sky Air Active-series R-32 A (A+++ - D) - Ideal solution for busy environments and small shops - Very compact and easy to install outdoor units - Maximum piping length up to 30m - Replacement technology - Easy-to-mount outdoor units: roof, terrace or wall - Exclusively offered for pair applications	ARXM-R AZAS-MV1/MY1									

Full indoor line up

(over 45 different models)

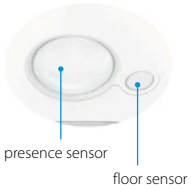
2 High energy efficiency

› **Top seasonal efficiency**
  › SEER up to 8.02 and A++ label in cooling and heating
  › Variable Refrigerant Temperature that automatically adapts the refrigerant temperature to the load
› Round flow and concealed ceiling units with **auto cleaning filter**



3 Best comfort

› **Variable Refrigerant Temperature** preventing cold draughts
› **Low sound** indoor and outdoor units
› **Presence and floor sensors** direct the air flow away from persons, while ensuring an even temperature distribution
› Operation down to **-20°C in heating and cooling** operation
NEW › **UV Streamer kit**, purifies the air of pollutants such as viruses, bacteria, fine dust (PM1.0), oudeurs, allergens, etc
› Fresh air intake integrated in indoor unit



4 Top reliability

› For **infrastructure cooling**
  › unique boosted capacity indoor unit systems
  › duty rotation control
› **Refrigerant cooled PCB**
› New refrigerant passes keeping heat exchanger and drain holes completely open at all times
› **Most extensive testing** before new units leave the factory
› **Widest support network** and after sales service
› All spare parts available in Europe

bottom plate refrigerant pass

5 Market leading controls

› **Remote connectivity**
  › **Intuitive app** control
  › **Daikin Cloud Service** offering online control, energy monitoring and comparison of multiple sites
› **User-friendly wired remote controller with premium design**
  › Intuitive touch button control
  › 3 color versions
  › Advanced settings can be easily done via your smartphone
› **Dedicated control solutions**
  › for retail applications
  › for infrastructure cooling

6 Superior aesthetics

› **Fully flat cassette** design unit that integrates fully flat into the ceiling
› **Auto cleaning** units ensure dirt-free ceilings with high efficiency filters for regular and dust prone areas
› Widest ever range cassette panels
  › Available in **white and black**
  › Sleek **designer panel** range

7 Unique installation benefits

› **4-way blow ceiling suspended cassette** (FUA) for rooms without false ceiling.
› Plug & play Daikin air handling unit with ERQ condensing units
› Reliably replace Daikin and non-Daikin systems without the need for pipe cleaning thanks to the new hepta filtration
› Dedicated low sound enclosure, reducing sound power up to -10 dB(A)
› Use up to 4 indoor units linked to one outdoor unit for long or irregularly shaped rooms

Shops
reducing retail costs

- Open door trading thanks to Biddle air curtains
- Discreet with limited visual and operating impact
- Reduces energy usage and costs
- Worry-free installation
- User-friendly control
- Air purification ensuring a clean, healthy environment for your customers

"We were very happy to work with Daikin in installing one of the latest fully controllable systems with operational flexibility, which met all our requirements."

Retail shop representative

youtube.com/
DaikinEurope

Shops

Offices
Efficiency in the workplace

- Fully flat cassette: Design and genius in one
- Cutting the cost of hot water
- Fresh air: A healthier office atmosphere
- Centralised control: Complete Daikin package for office building management

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

Architect

youtube.com/
DaikinEurope

Office

Restaurants
Perfect ambiance for dining

- Ensures an even temperature distribution to create the perfect dining environment
- Heat recovery ventilation keeps the air clean
- Highly energy efficient
- Uses intelligent control systems operated from one central location
- Air purification ensuring a clean, healthy environment for your customers

"Total renovation and expansion of the restaurant meant new air conditioning equipment was required. Daikin was the first and only supplier to contact as we had already had good experience in the past!"

Owner of a highly-rated restaurant

IT rooms, laboratories and telecom shelters
Sky Air for infrastructure cooling

- Continuous cooling operation
- Dedicated infrastructure cooling settings
- Unique selection method with capacity tables down to -20°C outdoor temperature
- Enhanced **reliability** thanks to **assymetric combinations** (e.g. 125 class indoor + 100 class outdoor)

"A reliable system and guaranteed continuous operation are what count for me."

General office manager

Sky Air, from high specification, tailored solutions to primary cooling and heating

Indoor Units

Product overview SkyAir

Type	Model	Product name		PG	
Ceiling mounted cassette	UNIQUE High COP, Round flow cassette UV Streamer kit	FCAHG-H		23	360° air discharge for the highest efficiency and comfort - High COP cassette ensures top performance for commercial applications - Auto cleaning function ensures high efficiency - Intelligent sensors save energy and maximize comfort - Flexibility to suit every room layout - Widest choice ever in decoration panel designs and colors ROUND FLOW
	UNIQUE Round flow cassette UV Streamer kit	FCAG-B		24	360° air discharge for the highest 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
	UNIQUE Fully flat cassette	FFA-A9		28	Unique design in the market that integrates fully flat into the ceiling - Perfect integration in standard architectural ceiling tiles - Blend of iconic design and engineering excellence with a white or silver and white finish - Intelligent sensors save energy and maximize comfort - Flexibility to suit every room layout without changing the location of the unit! - Quietest 600 x 600 cassette on the market
Concealed ceiling	Slim concealed ceiling unit Auto cleaning option Multi zoning option	FDXM-F9		34	Slim design for flexible installation - Compact dimensions enable installation in narrow ceiling voids - Medium external static pressure up to 40Pa - Small capacity unit developed for small of well insulated rooms - Auto cleaning function ensures high efficiency and reliability
	Concealed ceiling unit with medium ESP Multi zoning option	FBA-A(9)		36	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
	Concealed ceiling unit with high ESP	FDA-A	 FDA125A	40	ESP up to 200Pa, ideal for large sized buildings - Discretely concealed in the ceiling: only the grilles are visible - Possibility to change ESP via wired remote control allows optimisation of the supply air volume - Flexible installation as the air suction direction can be altered from rear to bottom suction
			 FDA200-250A	41	ESP up to 250Pa, Ideal for extra large sized spaces - Discretely concealed in the ceiling: only the grilles are visible - Possibility to change ESP via wired remote control allows optimisation of the supply air volume
	Concealed ceiling unit Multi zoning option	ADEA-A		42	Ideal for residential applications with false ceilings - Energy label up to A - Medium external static pressure up to 150Pa facilitates using flexible ducts of varying lengths - Slimmest unit in class, only 245mm - Exclusively offered for pair applications
Wall mounted	Wall mounted unit	FAA-B		43	For rooms with no false ceilings nor free floor space - Flat, stylish front panel - The air is comfortably spread up- and downwards thanks to 5 different discharge angles - Easy maintenance as this can be done from the front of the unit - Flexible to install: pipe connection can be bottom, left or right
	Perfera wall mounted unit	FTXM-R		46	For rooms with no false ceilings nor free floor space - Practically inaudible - 2 area motion detection sensor - Flash streamer technology - 3D air flow
Ceiling suspended	Ceiling suspended unit	FHA-A(9)		47	For wide rooms with no false ceilings nor free floor space - Ideal for comfortable air flow in wide rooms thanks to Coanda effect - Even rooms with ceilings up to 3.8m can be heated up or cooled down very easily! - Can be mounted in corners or narrow spaces without any problem
	UNIQUE 4-way blow ceiling suspended unit	FUA-A		50	Unique Daikin unit for high rooms with no false ceilings nor free floor space - Even rooms with ceilings up to 3.5m can be heated up or cooled down very easily! - Flexibility to suit every room layout without changing the location of the unit! - Optimum comfort guaranteed with automatic air flow adjustment to the required load - The air is comfortably spread up- and downwards thanks to 5 different discharge angles
Floor standing	Floor standing unit	FVA-A		52	For spaces with high ceilings - Ideal solution for commercial spaces with no or narrow false ceilings - Even rooms with very high ceilings can be heated up or cooled down very easily! - Guarantees a stable temperature - Vertical and horizontal outblow
	Concealed floor standing unit	FNA-A9		54	Designed to be concealed in walls, only grilles remain visible - Slimmest unit on the market with a depth of only 200mm! - Both window sill or ducted installation are possible thanks to sufficient ESP - Whisper quiet operation allows installation in any location

Full R-32 BLUEVOLUTION line up

FULL single fan range

Capacity class										Outdoor unit combination				
										R-32				
										Sky Air Alpha-series		Sky Air Advance-series		Sky Air Active-series
25	35	50	60	71	100	125	140	200	250	RZAG-A	RZAG-NV1/NY1	RZASG*	RZA-D	ARXM*/AZAS*
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Benefit overview SkyAir

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.
	Presence & floor 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. 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	UV Streamer kit	Purifies the air of pollutants such as viruses, bacteria, fine dust, oudeurs, allergens, etc ensuring a healthy and hygienic indoor environment
	Air filter	Removes airborne dust particles to ensure a steady supply of clean air.
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 louvre, for uniform air flow and temperature distribution.
	Fan speed steps	Allows to select up to the given number of fan speed.
	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 app	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.
	Wired remote control	Starts, stops and regulates the air conditioner.
	Centralised control	Starts, stops and regulates several air conditioners from one central point.
	Multi zoning	Allows up to 6 individual climate zones with one indoor unit
Other functions	Infrastructure cooling	Remove in a reliable, efficient and flexible way the heat constantly generated by the IT and server equipment to ensure maximum uptime while offering the best return on investment.
	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.
	Twin/triple/double twin application	2,3 or 4 indoor units can be connected to only a single outdoor unit even if they have different capacities. All indoor units operate within the same heating or cooling mode from one remote control.
	Multi model application	Up to 5 indoor units can be connected to a single outdoor unit, even if they have different capacities. All indoor units can individually be operated within the same heating or cooling mode.
	VRV for residential application	Up to 9 indoor units (even different capacities and up to 71 class) can be connected to a single outdoor unit. All indoor units can individually be operated within the same mode.

Ceiling mounted cassette units			Concealed ceiling units					Ceiling suspended units	4-Way blow ceiling suspended unit	Wall mounted unit	Perfera wall mounted unit	Floor standing units	
FCAHG-H	FCAG-B	FFA-A9	FDXM-F9	FBA-A(9)	FDA125A	FDA200-250A	ADEA-A	FHA-A(9)	FUA-A	FAA-B	FTXM-N	FVA-A	FNA-A9
													
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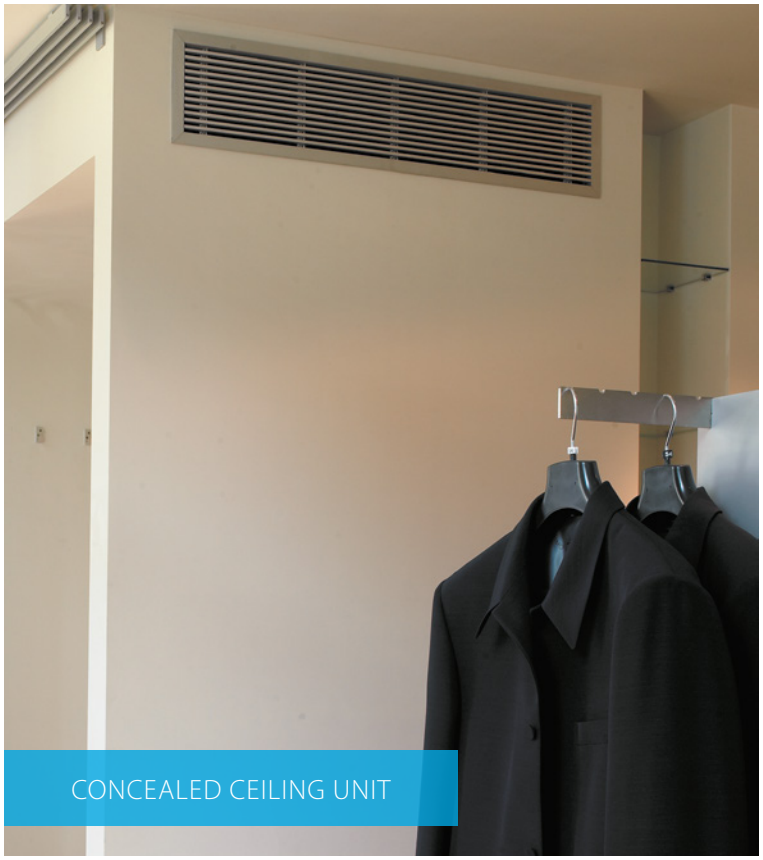
● standard, ○ optional

FULLY FLAT CASSETTE



CONCEALED CEILING UNIT

CONCEALED FLOOR STANDING UNIT

4-WAY BLOW CEILING SUSPENDED CASSETTE

WALL MOUNTED UNIT

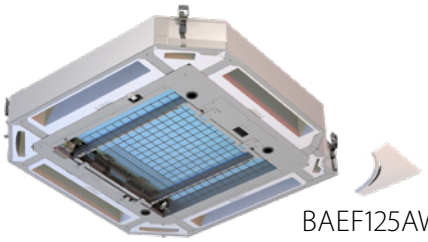
CEILING SUSPENDED UNIT

ROUND FLOW CASSETTE, DESIGNER PANEL

Pure air
because we care

Breathe healthy air with the round flow
UV Streamer kit

90% of our time is spent indoors. However indoor air is 2 to 5 times more polluted than outdoor air.



BAEF125AWB

These internal pollution effects on people are manifested in the long run. Tackle them now!

Our UV streamer kit offers you the solution:

› It purifies the air of pollutants such as viruses, bacteria, fine dust (PM1.0), oudeurs, allergens, etc ensuring a healthy and hygenic indoor environment

› Thanks to large air flow rate of the Round flow cassette, clean air can be quickly delivered to every corner of your space

› Can be retrofitted into existing installations

› Can be used with BYCQ140E and BYCQ140EW decoration panels

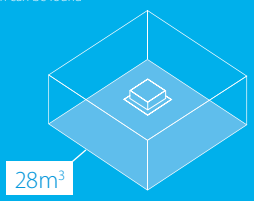
99.9%
of viruses removed in 30 minutes, thanks to Daikin's unique
Catch & Clean approach

Tested at Intertek

Results based on tests performed in the laboratories of Intertek, in a 28m³ room. Daikin's Round flow cassette (FXFQ125B) removes more than 99.9% of enveloped viruses such as Corona viruses.

* Additional details regarding this function can be found in the unit technical manual.

Tested according to real life sized room



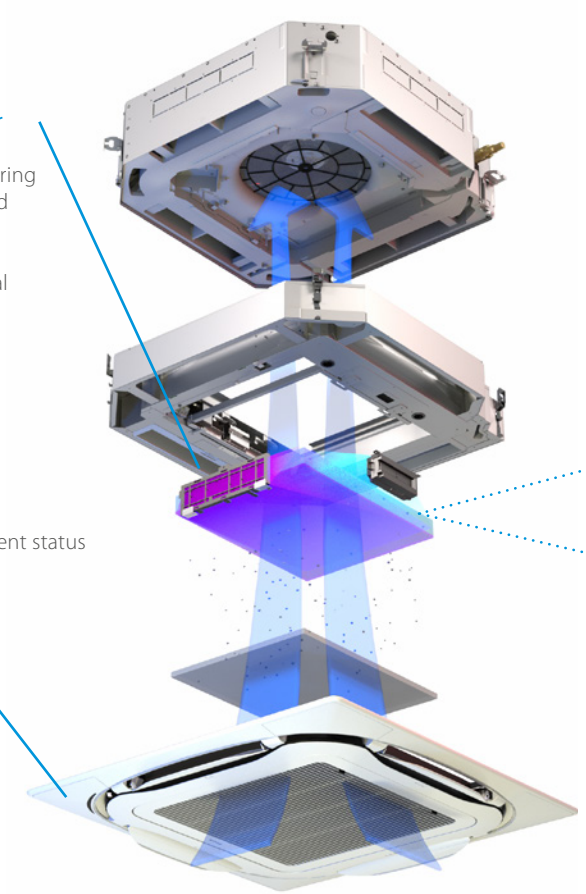
View full test report:

Daikin's unique Catch & Clean approach includes an ePM1 50% filter, UV-C light and Streamer technology

1 Effective capturing of air borne pollutants

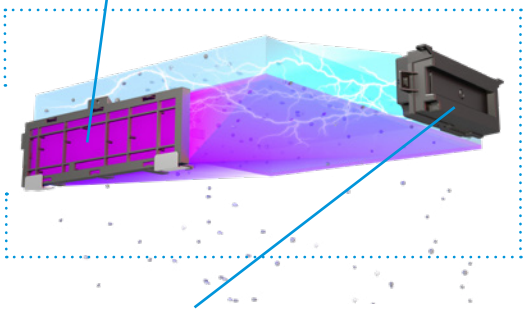
- Highly efficient capturing particulate matter and pollutants thanks to the ePM1.0 filter
- Anti bacterial and viral coating

Indicator light
Indicates operation, malfunction or replacement status



2 Effective cleaning and decomposition of pollutants
Our unique combined UV-C light and Streamer technology ensures both surface and in-depth sanitising of the filter to ensure hygienic air.

UVC LED light with high output wavelength of 265nm which is the most effective for surface cleaning and inactivation of bactaria and viruses.



Streamer technology for deep sanitising of the filter and powerful decomposition of viruses and bacteria trapped inside the filter.

UV Streamer filter specifications

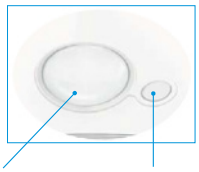
Treatment tools	Test Organisation	Classifications	Test Standard and Method	Report Number	Efficiency	Sample Quantity	Contacting Time (hours)	Test Virus suspension
UV Streamer Kit	Phi-X174 (non enveloped virus)	Virus	Non-standardised Test Method: Microbial Reduction Rate Test	102105182COL-001	99.9%		0.5	$8x10^9$ PFU
Ionpure IPI Filter	Staphylococcus aureus	Bacteria	GB 21551.2-2010	2021FM05648R01	99.98%	$1m^3$	24	
Ionpure IPI Filter	Escherichia coli	Bacteria	GB 21551.2-2010	2021FM05648R01	99.99%	$1m^3$	24	
Ionpure IPI Filter	Aspergillus niger	Fungus	JIS Z 2911:2018	2022FM07084R01	Anti-mildew grade 0 (1)	$1m^3$		
Ionpure IPI Filter	Penicillium pinophilum	Fungus	JIS Z 2911:2018	2022FM07084R01	Anti-mildew grade 0 (1)	$1m^3$		
Ionpure IPI Filter	Trichoderma viridé	Fungus	JIS Z 2911:2018	2022FM07084R01	Anti-mildew grade 0 (1)	$1m^3$		
Ionpure IPI Filter	Chaetomium globosum	Fungus	JIS Z 2911:2018	2022FM07084R01	Anti-mildew grade 0 (1)	$1m^3$		
Ionpure IPI Filter	Paecilomyces variotiiv	Mold	JIS Z 2911:2018	2022FM07084R01	Anti-mildew grade 0 (1)	$1m^3$		
Ionpure IPI Filter	Infectious bronchitis virus	Virus	ISO 18184:2014(E)	2020FM26047R01	99.99%	$1m^3$	2	
Ionpure IPI Filter	SARS-CoV-2	Virus	JIS L 1922	21KB-080395-2(1/5)	99.92%		8	$2.2x10^7$ PFU
Ionpure IPI Filter	H1N1	Virus	ISO 18184:2014(E)	2020FM2434R01	99.94%	$1m^3$	2	

(1) Anti mildew grade 0: no fungal growth was seen visually and with the microscope.

Complete indoor comfort, including pure air

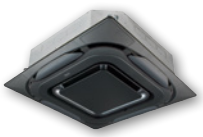
The round flow cassette

› Maximum comfort thanks to **360° air discharge and intelligent sensors**



› **Widest ever choice in panels** to match any interior


Black auto cleaning panel


Black designer panel


Full white standard panel


White designer panel

› **Auto cleaning panel** keeps the filter free of dust for maximum efficiency

› **UV streamer kit**

NEW › Purifies the air of pollutants such as viruses, bacteria, fine dust (PM1.0), oudeurs, allergens, etc ensuring a healthy and hygienic indoor environment

› Highly efficient F7 filter (ISO classification under testing), UVC light and Streamer technology

› Can be **retrofitted** into existing installations

UV STREAMER

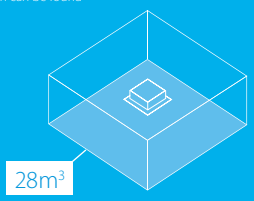
99.9%
of viruses removed in 30 minutes, thanks to Daikin's unique
Catch & Clean approach

Tested at Intertek

Results based on tests performed in the laboratories of Intertek, in a 28m³ room. Daikin's Round flow cassette (FXFQ125B) removes more than 99.9% of enveloped viruses such as Corona viruses.

* Additional details regarding this function can be found in the unit technical manual.

Tested according to real life sized room




intertek
DAIKIN INDUSTRIES CZECH REPUBLIC s.r.o.
EFFICACY TEST REPORT

View full test report:

ROUND FLOW UV STREAMER

SkyAir Alpha-series BLUEVOLUTION

High COP, round flow cassette

360° air discharge for optimum efficiency and comfort

- Combination with Sky Air Alpha-series ensures best in class quality, highest efficiency and performance
- High COP cassette ensures top performance and great energy savings
- Optional automatic filter cleaning panel results in higher efficiency & comfort and lower maintenance costs
- Two optional intelligent sensors improve energy efficiency and comfort
- Individual flap control: flexibility to suit every room layout without changing the location of the unit!
- 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
- 5 different fan speeds available for maximum comfort

NEW

- UV streamer kit, purifies the air of pollutants such as viruses, bacteria, fine dust, oudeurs, allergens, etc ensuring a healthy and hygenic indoor environment
- Optional fresh air intake
- Branch duct discharge allows to optimize air distribution in irregular shaped rooms or to supply air to small adjacent rooms
- 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.

FCAHG-H RZAG-NV1 RZAG-NY1

Efficiency data				FCAHG + RZAG	71H + 71NV1	100H + 100NV1	125H + 125NV1	140H + 140NV1	71H + 71NY1	100H + 100NY1	125H + 125NY1	140H + 140NY1
Cooling capacity	Nom.			kW	6.80	9.50	12.1	13.4	6.80	9.50	12.1	13.4
Heating capacity	Nom.			kW	7.50	10.8	13.5	15.5	7.50	10.8	13.5	15.5
Space cooling	Energy efficiency class				A++		-		A++		-	
	Capacity		Pdesign	kW	6.80	9.50	12.1	13.4	6.80	9.50	12.1	13.4
	SEER				7.90	7.70	8.02	7.93	7.90	7.70	8.02	7.93
	ηs,c			%	-		318	314	-		318	314
	Annual energy consumption			kWh/a	301	432	905	1,014	301	432	905	1,014
Space heating (Average climate)	Energy efficiency class				A++		-		A+	A++	-	
	Capacity		Pdesign	kW	4.70		9.52		4.70		9.52	
	SCOP/A				4.61	4.75	4.53	4.44	4.56	4.75	4.53	4.44
	ηs,h			%	-		178	175	-		178	175
	Annual energy consumption			kWh/a	1,427	2,805	2,943	3,002	1,443	2,805	2,943	3,002

Indoor unit				FCAHG	71H	100H	125H	140H	71H	100H	125H	140H
Dimensions	Unit	HeightxWidthxDepth		mm	288x840x840							
Weight	Unit			kg	25.0							
Air filter	Type				Resin net							
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	Cooling	Low/Medium/High	m^3/min	13.7/18.8/23.6	19.1/25.7/32.2	21.2/27.3/34.4		13.7/18.8/23.6	19.1/25.7/32.2	21.2/27.3/34.4	
		Heating	Low/Medium/High	m^3/min	13.7/18.8/23.6	18.3/24.6/30.8	19.7/25.5/32.1		13.7/18.8/23.6	18.3/24.6/30.8	19.7/25.5/32.1	
Sound power level	Cooling			dBA	53.0		61.0		53.0		61.0	
	Heating			dBA	53.0		61.0		53.0		61.0	
Sound pressure level	Cooling	Low/Medium/High		dBA	29.0/33.0/36.0	33.0/39.0/44.0	35.0/40.0/45.0	37.0/41.0/45.0	29.0/33.0/36.0	33.0/39.0/44.0	35.0/40.0/45.0	37.0/41.0/45.0
	Heating	Low/Medium/High		dBA	29.0/33.0/36.0	33.0/39.0/44.0	35.0/40.0/45.0	37.0/41.0/45.0	29.0/33.0/36.0	33.0/39.0/44.0	35.0/40.0/45.0	37.0/41.0/45.0
Control systems	Infrared remote control				BRC7FA532F / BRC7FB532F / BRC7FA532FB / BRC7FB532FB							
	Wired remote control				BRC1H52W/S/K / BRC1E53A / BRC1E53B / BRC1E53C / BRC1D52							
Piping connections	Drain				VP25 (I.D. 25/O.D. 32)							

Outdoor unit				RZAG	71NV1	100NV1	125NV1	140NV1	71NY1	100NY1	125NY1	140NY1
Dimensions	Unit	HeightxWidthxDepth		mm	870x1,100x460							
Weight	Unit			kg	81	85	95		81	85	94	
Sound power level	Cooling			dBA	64	66	69	70	64	66	69	70
	Heating			dBA	-		68	71	-		68	71
Sound pressure level	Cooling	Nom.		dBA	46	47	49	50	46	47	49	50
	Heating	Nom.		dBA	48	50	52		48	50	52	
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-20 ~52							
	Heating	Ambient	Min.~Max.	°CWB	-20 ~18							
Refrigerant	Type/GWP				R-32/675							
	Charge			kg/TCO2Eq	3.20/2.16		3.70/2.50		3.20/2.16		3.70/2.50	
Piping connections	Liquid/Gas	OD		mm	9.52/15.9							
	Piping length	OU - IU	Max.	m	55		85		55		85	
		System	Equivalent	m	75		100		75		100	
			Chargeless	m	40							
	Additional refrigerant charge			kg/m	See installation manual							
	Level difference	IU - OU	Max.	m	30							
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240				3~/50/380-415			
Current - 50Hz	Maximum fuse amps (MFA)			A	20	32			16			

Contains fluorinated greenhouse gases

ROUND FLOW UV STREAMER

SkyAir Alpha-series BLUEVOLUTION

Round flow cassette

360° air discharge for optimum efficiency and comfort

- Combination with Sky Air Alpha-series ensures best in class quality, highest efficiency and performance
- Optional automatic filter cleaning panel results in higher efficiency & comfort and lower maintenance costs
- Two optional intelligent sensors improve energy efficiency and comfort
- 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
- 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
- 5 different fan speeds available for maximum comfort

NEW

- UV streamer kit, purifies the air of pollutants such as viruses, bacteria, fine dust, oudeurs, allergens, etc ensuring a healthy and hygenic indoor environment
- Optional fresh air intake
- Branch duct discharge allows to optimize air distribution in irregular shaped rooms or to supply air to small adjacent rooms
- Standard drain pump with 675mm lift increases flexibility and installation speed

FCAG-B

RZAG-NV1_NY1

BRC1H52W BRP069C82

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.

FCAG-B RZAG-A RZAG-NV1 RZAG-NY1

Efficiency data			FCAG + RZAG	35B+35A	50B+50A	60B+60A	71B+71NV1	100B+100NV1	125B+125NV1	140B+140NV1	71B+71NY1	100B+100NY1	125B+125NY1	140B+140NY1
Cooling capacity	Min./Nom./Max.		kW	1.6/3.5/4.5	1.7/5.0/6.0	1.7/6.0/6.5	-/6.80/-	-/9.50/-	-/12.1/-	-/13.4/-	-/6.80/-	-/9.50/-	-/12.1/-	-/13.4/-
Heating capacity	Min./Nom./Max.		kW	1.40/4.00/5.00	1.50/5.80/6.00	1.60/7.00/7.50	-/7.50/-	-/10.8/-	-/13.5/-	-/15.5/-	-/7.50/-	-/10.8/-	-/13.5/-	-/15.5/-
Space cooling	Energy efficiency class			A++					-		A++		-	
	Capacity	Pdesign	kW	3.50	5.00	6.00	6.80	9.50	12.1	13.4	6.80	9.50	12.1	13.4
	SEER			7.30	6.80	6.60	6.83	7.14	7.15	6.80	6.83	7.14	7.15	6.80
	ηs,c		%	-					283	269	-		283	269
	Annual energy consumption		kWh/a	168	257	318	348	466	1,016	1,182	348	466	1,016	1,182
Space heating (Average climate)	Energy efficiency class			A+					-		A+		-	
	Capacity	Pdesign	kW	3.30	4.30	4.60	4.70	7.80	9.52		4.70	7.80	9.52	
	SCOP/A			4.30		4.25	4.22	4.53	4.34		4.22	4.53	4.34	
	ηs,h		%	-					171		-		171	
	Annual energy consumption		kWh/a	1,074	1,398	1,515	1,560	2,413	3,071		1,560	2,413	3,071	

Indoor unit			FCAG	35B	50B	60B	71B	100B	125B	140B	71B	100B	125B	140B
Dimensions	Unit	HeightxWidthxDepth	mm	204x840x840				246x840x840			204x840 x840	246x840x840		
Weight	Unit		kg	18	19		21	23			21	23		
Air filter	Type			Resin net										
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	Cooling Low/Medium/High	m^3/min	8.8/10.6/12.9	9.4/11.8/14.6	9.6/12.2/14.9	10.8/13.0/15.1	13.0/17.8/22.7	13.1/20.4/27.2		10.8/13.0/15.1	13.0/17.8/22.7	13.1/20.4/27.2	
		Heating Low/Medium/High	m^3/min	9.4/11.6/14.1	9.4/11.8/14.6	9.6/12.2/14.9	10.8/12.9/15.1	13.2/18.1/23.0	13.0/20.2/27.0		10.8/12.9/15.1	13.2/18.1/23.0	13.0/20.2/27.0	
Sound power level	Cooling		dBA	49.0		51.0		54.0	58.0		51.0	54.0	58.0	
	Heating		dBA	49.0		51.0		54.0	58.0		51.0	54.0	58.0	
Sound pressure level	Cooling	Low/Medium/High	dBA	27.0/29.0/31.0		28.0/31.0/33.0	28.0/31.0/35.0	29.0/33.0/37.0	29.0/35.0/41.0		28.0/31.0/35.0	29.0/33.0/37.0	29.0/35.0/41.0	
	Heating	Low/Medium/High	dBA	27.0/29.0/31.0		28.0/31.0/33.0		29.0/33.0/37.0	29.0/35.0/41.0		28.0/31.0/33.0	29.0/33.0/37.0	29.0/35.0/41.0	
Control systems	Infrared remote control			BRC7FA532F / BRC7FB532F / BRC7FA532FB / BRC7FB532FB										
	Wired remote control			BRC1H52W/S/K / BRC1E53A / BRC1E53B / BRC1E53C / BRC1D52										
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/60/220-240/220										

Outdoor unit			RZAG/RZAG/RZAG	35A	50A	60A	71NV1	100NV1	125NV1	140NV1	71NY1	100NY1	125NY1	140NY1
Dimensions	Unit	HeightxWidthxDepth	mm	734x870x373			870x1,100x460							
Weight	Unit		kg	52			81	85	95		81	85	94	
Sound power level	Cooling		dBA	62.0	63.0	64.0	64	66	69	70	64	66	69	70
	Heating		dBA	62.0	63.0	64.0	-		68	71	-		68	71
Sound pressure level	Cooling	Nom.	dBA	48.0	49.0	50.0	46	47	49	50	46	47	49	50
	Heating	Nom.	dBA	48.0	49.0	50.0	48	50	52		48	50	52	
Operation range	Cooling	Ambient Min.~Max.	°CDB	-20 ~ 52			-20 ~52							
	Heating	Ambient Min.~Max.	°CWB	-20 ~ 24			-20 ~18							
Refrigerant	Type/GWP			R-32/675.0			R-32/675							
	Charge		kg/TCO2Eq	1.55/1.05			3.20/2.16		3.70/2.50		3.20/2.16		3.70/2.50	
Piping connections	Liquid/Gas	OD	mm	6.35/9.52	6.35/12.7		9.52/15.9							
	Piping length	OU - IU Max.	m	50			55		85		55		85	
		System Equivalent	m	-			75		100		75		100	
		Chargeless	m	30			40							
	Additional refrigerant charge		kg/m	0.02 (for piping length exceeding 30m)			See installation manual							
	Level difference	IU - OU Max.	m	30.0			30							
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/220-240							3~/50/380-415			
Current - 50Hz	Maximum fuse amps (MFA)		A	-			20		32		16			

Contains fluorinated greenhouse gases

ROUND FLOW UV STREAMER

SkyAir Advance-series BLUEVOLUTION

Round flow cassette

360° air discharge for optimum efficiency and comfort

- Combination with Sky Air Advance-series ensures good value for money for all types of commercial applications
- 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!

NEW
- UV streamer kit, purifies the air of pollutants such as viruses, bacteria, fine dust, oudeurs, allergens, etc ensuring a healthy and hygenic indoor environment

- Optional fresh air intake
- Branch duct discharge allows to optimize air distribution in irregular shaped rooms or to supply air to small adjacent rooms
- Standard drain pump with 675mm lift increases flexibility and installation speed

FCAG-B

RZASG100-140MV1_MY1

BRC1H52W, BRP069C82

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.

FCAG-B RZASG-MV1 RZASG-MY1

Efficiency data					**FCAG + RZASG**	**71B + 71MV1**	**100B + 100MV1**	**125B + 125MV1**	**140B + 140MV1**	**100B + 100MY1**	**125B + 125MY1**	**140B + 140MY1**
Cooling capacity	Nom.			kW		6.80	9.50	12.1	13.4	9.50	12.1	13.4
Heating capacity	Nom.			kW		7.50	10.8	13.5	15.5	10.8	13.5	15.5
Space cooling	Energy efficiency class					A++		-		A++		-
	Capacity		Pdesign	kW		6.80	9.50	12.1	13.4	9.50	12.1	13.4
	SEER					6.47	6.55	5.76	6.53	6.55	5.76	6.53
	ηs,c			%		-		227	258	-	227	258
	Annual energy consumption			kWh/a		368	507	1,261	1,231	507	1,261	1,231
Space heating (Average climate)	Energy efficiency class					A+		-		A+		-
	Capacity		Pdesign	kW		4.50	6.00		7.80	6.00		7.80
	SCOP/A					4.10	4.17	4.05	4.31	4.17	4.05	4.31
	ηs,h			%		-		159	169	-	159	169
	Annual energy consumption			kWh/a		1,537	2,016	2,074	2,534	2,016	2,074	2,534

Indoor unit					**FCAG**	**71B**	**100B**	**125B**	**140B**	**100B**	**125B**	**140B**
Dimensions	Unit	HeightxWidthxDepth		mm		204x840x840	246x840x840					
Weight	Unit			kg		21	23					
Air filter	Type					Resin net						
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	Cooling	Low/Medium/High	m^3/min		10.8/13.0/15.1	13.0/17.8/22.7	13.1/20.4/27.2		13.0/17.8/22.7	13.1/20.4/27.2	
		Heating	Low/Medium/High	m^3/min		10.8/12.9/15.1	13.2/18.1/23.0	13.0/20.2/27.0		13.2/18.1/23.0	13.0/20.2/27.0	
Sound power level	Cooling			dBA		51.0	54.0	58.0		54.0	58.0	
	Heating			dBA		51.0	54.0	58.0		54.0	58.0	
Sound pressure level	Cooling	Low/Medium/High		dBA		28.0/31.0/35.0	29.0/33.0/37.0	29.0/35.0/41.0		29.0/33.0/37.0	29.0/35.0/41.0	
	Heating	Low/Medium/High		dBA		28.0/31.0/33.0	29.0/33.0/37.0	29.0/35.0/41.0		29.0/33.0/37.0	29.0/35.0/41.0	
Control systems	Infrared remote control					BRC7FA532F / BRC7FB532F / BRC7FA532FB / BRC7FB532FB						
	Wired remote control					BRC1H52W/S/K / BRC1E53A / BRC1E53B / BRC1E53C / BRC1D52						
Power supply	Phase/Frequency/Voltage			Hz/V		1~/50/60/220-240/220						

Outdoor unit					**RZASG**	**71MV1**	**100MV1**	**125MV1**	**140MV1**	**100MY1**	**125MY1**	**140MY1**
Dimensions	Unit	HeightxWidthxDepth		mm		770x900x320	990x940x320					
Weight	Unit			kg		60	70		78	70		77
Sound power level	Cooling			dBA		65	70	71	73	70	71	73
	Heating			dBA		-		71	73	-	71	73
Sound pressure level	Cooling	Nom.		dBA		46	53		54	53		54
	Heating	Nom.		dBA		47	57					
Operation range	Cooling	Ambient	Min.~Max.	°CDB		-15 ~46						
	Heating	Ambient	Min.~Max.	°CWB		-15 ~15.5						
Refrigerant	Type/GWP					R-32/675						
	Charge			kg/TCO2Eq		2.45/1.65	2.60/1.76		2.90/1.96	2.60/1.76		2.90/1.96
Piping connections	Liquid/Gas	OD		mm		9.52/15.9						
	Piping length	OU - IU	Max.	m		50						
		System	Equivalent	m		70						
			Chargeless	m		30						
	Additional refrigerant charge			kg/m		See installation manual						
	Level difference	IU - OU	Max.	m		30.0						
Power supply	Phase/Frequency/Voltage			Hz/V		1~/50/220-240				3~/50/380-415		
Current - 50Hz	Maximum fuse amps (MFA)			A		20	25	32		16		

Contains fluorinated greenhouse gases

ROUND FLOW UV STREAMER

SkyAir Active-series BLUEVOLUTION

Round flow cassette

360° air discharge for optimum efficiency and comfort

- Ideal solution for small businesses and shops
- 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
- Individual flap control: flexibility to suit every room layout without changing the location of the unit!
- Bigger flaps and unique swing pattern improve equal air distribution

NEW

- UV streamer kit, purifies the air of pollutants such as viruses, bacteria, fine dust, oudeurs, allergens, etc ensuring a healthy and hygenic indoor environment
- Optional fresh air intake
- Branch duct discharge allows to optimize air distribution in irregular shaped rooms or to supply air to small adjacent rooms
- Standard drain pump with 675mm lift increases flexibility and installation speed

FCAG-B

AZAS100-140MV1_MY1

BRC1H52W, BRP069C82

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.

FCAG-B ARXM-R AZAS-MV1 AZAS-MY1

Efficiency data				FCAG + ARXM / AZAS	71B + ARXM71R	100B + AZAS100MV1	125B + AZAS125MV1	140B + AZAS140MV1	100B + AZAS100MY1	125B + AZAS125MY1	140B + AZAS140MY1
Cooling capacity	Nom.			kW	6.80	9.50	12.1	13.4	9.50	12.1	13.4
Heating capacity	Nom.			kW	7.50	10.8	13.5	15.5	10.8	13.5	15.5
Space cooling	Energy efficiency class				A+	A+	-		A+	-	
	Capacity		Pdesign	kW	6.80	9.50	12.1	13.0	9.50	12.1	13.0
	SEER				5.87	5.67	5.40	6.00	5.67	5.40	6.00
	ηs,c				-		213	237	-	213	237
	Annual energy consumption			kWh/a	405	586	1,345	1,300	586	1,345	1,300
Space heating (Average climate)	Energy efficiency class				A+	A	-		A	-	
	Capacity		Pdesign	kW	4.50	6.00		7.80	6.00		7.80
	SCOP/A				4.00	3.85	3.80	4.31	3.85	3.80	4.31
	ηs,h				-		149	169	-	149	169
	Annual energy consumption			kWh/a	1,573	2,182	2,211	2,534	2,182	2,211	2,534

Indoor unit				FCAG	71B	100B	125B	140B	100B	125B	140B
Dimensions	Unit	HeightxWidthxDepth		mm	204x840x840	246x840x840					
Weight	Unit			kg	21	23					
Air filter	Type				Resin net						
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	Cooling	Low/Medium/High	m^3/min	10.8/13.0/15.1	13.0/17.8/22.7	13.1/20.4/27.2		13.0/17.8/22.7	13.1/20.4/27.2	
		Heating	Low/Medium/High	m^3/min	10.8/12.9/15.1	13.2/18.1/23.0	13.0/20.2/27.0		13.2/18.1/23.0	13.0/20.2/27.0	
Sound power level	Cooling			dBA	51.0	54.0	58.0		54.0	58.0	
	Heating			dBA	51.0	54.0	58.0		54.0	58.0	
Sound pressure level	Cooling	Low/Medium/High		dBA	28.0/31.0/35.0	29.0/33.0/37.0	29.0/35.0/41.0		29.0/33.0/37.0	29.0/35.0/41.0	
	Heating	Low/Medium/High		dBA	28.0/31.0/33.0	29.0/33.0/37.0	29.0/35.0/41.0		29.0/33.0/37.0	29.0/35.0/41.0	
Control systems	Infrared remote control				BRC7FA532F / BRC7FB532F / BRC7FA532FB / BRC7FB532FB						
	Wired remote control				BRC1H52W/S/K / BRC1E53A / BRC1E53B / BRC1E53C / BRC1D52						
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220						

Outdoor unit				ARXM71R	AZAS100MV1	AZAS125MV1	AZAS140MV1	AZAS100MY1	AZAS125MY1	AZAS140MY1
Dimensions	Unit	HeightxWidthxDepth	mm	734x954x401	990x940x320					
Weight	Unit		kg	49.0	70		78	70		77
Sound power level	Cooling		dBA	-	70	71	73	70	71	73
	Heating		dBA	-		71	73	-	71	73
Sound pressure level	Cooling	Nom.	dBA	52.0	53		54	53		54
	Heating	Nom.	dBA	52.0	57					
Operation range	Cooling	Ambient Min.~Max.	°CDB	-10 ~ 50	-5 ~46					
	Heating	Ambient Min.~Max.	°CWB	-20 ~ 24	-15 ~15.5					
Refrigerant	Type/GWP			R-32/ 675.0						
	Charge		kg/TCO2Eq	1.15/0.780	2.60/1.76		2.90/1.96	2.60/1.76		2.90/1.96
Piping connections	Liquid/Gas OD		mm	9.52/15.9						
	Piping length	OU - IU System Max.	m	30						
		Equivalent	m	-	50					
		Chargeless	m	-	30					
	Additional refrigerant charge		kg/m	0.035 (for piping length exceeding 10m)	See installation manual					
	Level difference IU - OU	Max.	m	20.0	30.0					
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/220-240	1~/50/220-240			3~/50/380-415		
Current - 50Hz	Maximum fuse amps (MFA)		A	-	25	32		16		

Round flow cassette

360° air discharge for optimum efficiency and comfort

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NEW
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- Optional fresh air intake
- Branch duct discharge allows to optimize air distribution in irregular shaped rooms or to supply air to small adjacent rooms
- 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.

FCAG-B | RXM-R | RXM-R9

Efficiency data				FCAG + RXM	35B + 35R9	50B + 50R	60B + 60R
Cooling capacity	Nom.			kW	3.50	5.00	5.70
Heating capacity	Nom.			kW	4.20	6.00	7.00
Space cooling	Energy efficiency class				A++	A++	
	Capacity		Pdesign	kW	3.50	5.00	5.70
	SEER				6.35	6.54	6.40
	ηs,c				-		
	Annual energy consumption			kWh/a	193	268	312
Space heating (Average climate)	Energy efficiency class				A++	A+	
	Capacity		Pdesign	kW	3.32	4.36	4.71
	SCOP/A				4.90	4.30	4.20
	ηs,h				-		
	Annual energy consumption			kWh/a	948	1,418	1,569

Indoor unit				FCAG	35B	50B	60B
Dimensions	Unit	HeightxWidthxDepth		mm	204x840x840		
Weight	Unit			kg	18	19	
Air filter	Type				Resin net		
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	Cooling	Low/Medium/High	m^3/min	8.8/10.6/12.9	9.4/11.8/14.6	9.6/12.2/14.9
		Heating	Low/Medium/High	m^3/min	9.4/11.6/14.1	9.4/11.8/14.6	9.6/12.2/14.9
Sound power level	Cooling			dBA	49.0	49.0	51.0
	Heating			dBA	49.0	49.0	51.0
Sound pressure level	Cooling	Low/Medium/High		dBA	27.0/29.0/31.0	27.0/29.0/31.0	28.0/31.0/33.0
	Heating	Low/Medium/High		dBA	27.0/29.0/31.0	27.0/29.0/31.0	28.0/31.0/33.0
Control systems	Infrared remote control				BRC7FA532F / BRC7FB532F / BRC7FA532FB / BRC7FB532FB		
	Wired remote control				BRC1H52W/S/K / BRC1E53A / BRC1E53B / BRC1E53C / BRC1D52		
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220		

Outdoor unit				RXM	35R9	50R	60R
Dimensions	Unit	HeightxWidthxDepth		mm	552x840x350	734x870x373	
Weight	Unit			kg	32	49.0	
Sound power level	Cooling				-		
Sound pressure level	Cooling	Nom.		dBA	49.0	48.0	
	Heating	Nom.		dBA	49.0		
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10 ~ 46		
	Heating	Ambient	Min.~Max.	°CWB	-15 ~ 24		
Refrigerant	Type/GWP				R-32/675.0		
	Charge			kg/TCO2Eq	0.76/0.52	1.15/0.780	
Piping connections	Liquid/Gas	OD		mm	6.35/9.52	6.35/12.7	
	Piping length	OU - IU	Max.	m	20	30	
		System	Chargeless	m	10	-	
	Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 10m)		
	Level difference	IU - OU	Max.	m	15	20.0	
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240		
Current - 50Hz	Maximum fuse amps (MFA)			A	-	16	

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

FFA-A9 / FXZQ-A

Choice between grey or white panel

Benefits for the installer

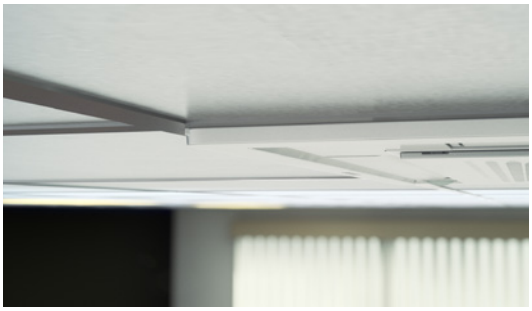
› Unique product in the market!
› Most quiet unit (25dBA)
› The user-friendly remote control, available in several languages, enables the easy set-up of sensor option and control of the individual flap position
› Meeting European design taste.

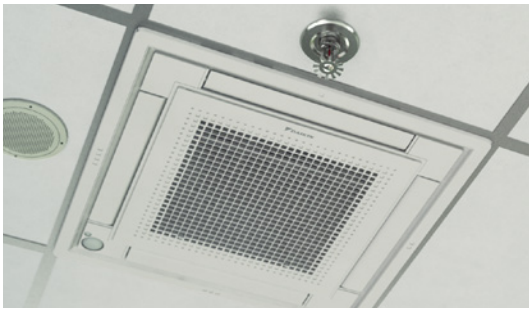
Benefits for the consultant

› 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

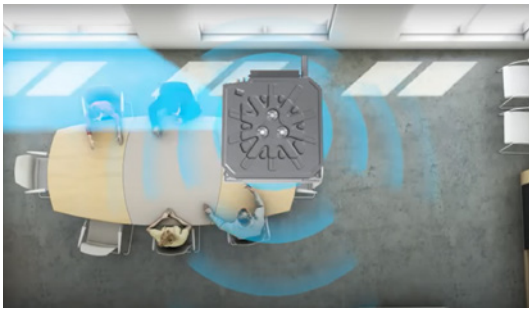
› Engineering excellence and unique design in one
› Most quiet unit (25dBA)
› Perfect working conditions: no more cold draughts
› Save up to 27% on your energy bill thanks to the optional sensors
› Flexible usage of space and suits any room configuration thanks to individual flap control
› User-friendly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

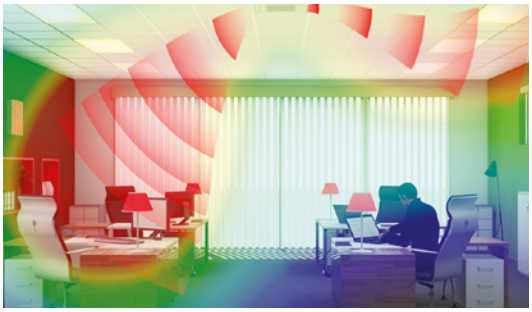




Unique design

› Designed by a European design office to fully meet the European taste.
› Fully flat into the ceiling, leaving only 8mm.
› Fully integrated in the one ceiling tile, enabling lights, speakers and sprinklers to be installed in adjoining ceiling tiles.
› Decoration panel available in 2 colours (white and white-silver).





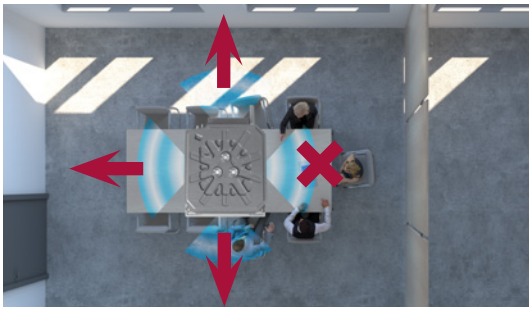
Differentiating in technology

Optional presence sensor

› When the room is empty, it can adjust the set temperature or switch off the unit – saving energy.
› When people are detected, the direction of the airflow is adapted to avoid cold draughts being directed towards occupants.

Optional floor sensor

› Detects the temperature difference and re-directs the airflow to ensure even temperature distribution.



Top efficiency

› Seasonal efficiency labels up to A++*
› When the room is empty, the sensor option can adjust the set temperature or switch off the unit – saving up to 27% energy.

* for FFA25,35A9 in combination with RXM25,35

Other benefits

› Individual flap control: easily control one or more flaps via the wired remote controller (BRC1E/BRC1H) when rearranging the room. When fully closing or blocking the flaps, the option "Sealing member of air discharge outlet" is needed.
› Most silent cassette in the market (25dBA), important for office applications.

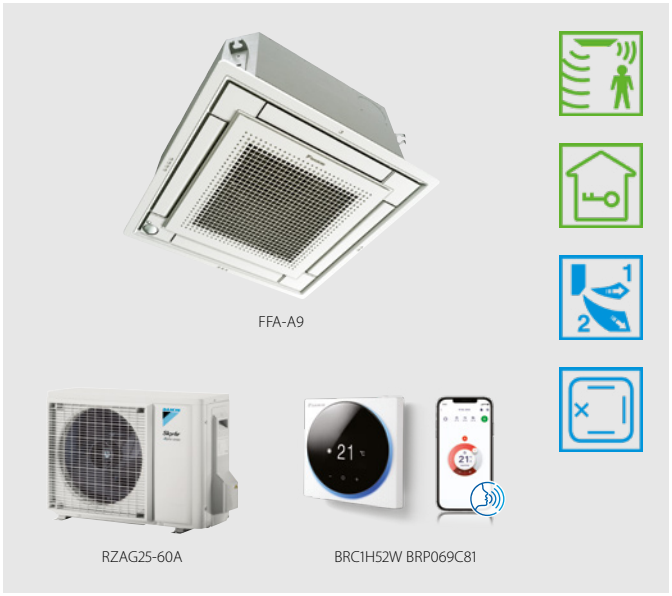
Marketing tools

› https://www.daikin.eu/en_us/product-group/fully-flat-cassette.html
› www.youtube.com/DaikinEurope

Fully flat cassette

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

- Combination with Sky Air Alpha-series ensures best in class quality, highest efficiency and performance
- 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
- Individual flap control: flexibility to suit every room layout without changing the location of the unit!
- Optional fresh air intake
- Branch duct discharge allows to optimize air distribution in irregular shaped rooms or to supply air to small adjacent rooms
- 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.

FFA-A9 RZAG-A

Efficiency data				FFA + RZAG	35A9 + 35A	50A9 + 50A	60A9 + 60A
Cooling capacity	Min./Nom./Max.			kW	1.6/3.5/4.5	1.7/5.0/6.0	1.7/6.0/6.5
Heating capacity	Min./Nom./Max.			kW	1.40/4.00/5.00	1.50/5.80/6.00	1.60/7.00/7.50
Space cooling	Energy efficiency class				A++		A+
	Capacity		Pdesign	kW	3.50	5.00	6.00
	SEER				6.40	6.30	5.80
	Annual energy consumption			kWh/a	191	278	362
Space heating (Average climate)	Energy efficiency class				A	A+	
	Capacity		Pdesign	kW	4.20	4.30	4.50
	SCOP/A				3.80	4.01	4.04
	Annual energy consumption			kWh/a	1,546	1,501	1,558

Indoor unit				FFA	35A9	50A9	60A9
Dimensions	Unit	HeightxWidthxDepth		mm	260x575x575		
Weight	Unit			kg	16.0	17.5	
Air filter	Type				Resin net		
Decoration panel	Model				BYFQ60C2W1W / BYFQ60C2W1S / BYFQ60B2W1 / BYFQ60B3W1		
	Colour				White (N9.5)/SILVER/White (RAL9010)/WHITE (RAL9010)		
	Dimensions	HeightxWidthxDepth		mm	46x620x620 / 46x620x620 / 55x700x700 / 55x700x700		
	Weight			kg	2.8/2.8/2.7/2.7		
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min	6.5/8.5/10.0	8.6/10.9/12.7	9.5/12.5/14.5
		Heating	Low/Medium/High	m^3/min	6.5/8.5/10.0	8.6/10.9/12.7	9.5/12.5/14.5
Sound power level	Cooling			dBA	51.0	56.0	60.0
Sound pressure level	Cooling	Low/Medium/High		dBA	25.0/30.5/34.0	27.0/34.0/39.0	32.0/40.0/43.0
	Heating	Low/Medium/High		dBA	25.0/30.5/34.0	27.0/34.0/39.0	32.0/40.0/43.0
Control systems	Infrared remote control				BRC7EB530W (standard panel) / BRC7F530W (white panel) / BRC7F530S (grey panel)		
	Wired remote control				BRC1H52W/S/K / BRC1E53A / BRC1E53B / BRC1E53C / BRC1D52		
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240		

Outdoor unit				RZAG	35A	50A	60A
Dimensions	Unit	HeightxWidthxDepth		mm	734x870x373		
Weight	Unit			kg	52		
Sound power level	Cooling			dBA	62.0	63.0	64.0
	Heating			dBA	62.0	63.0	64.0
Sound pressure level	Cooling	Nom.		dBA	48.0	49.0	50.0
	Heating	Nom.		dBA	48.0	49.0	50.0
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-20~52		
	Heating	Ambient	Min.~Max.	°CWB	-20~24		
Refrigerant	Type/GWP				R-32/675.0		
	Charge			kg/TCO2Eq	1.55/1.05		
Piping connections	Liquid/Gas OD			mm	6.35/9.52	6.35/12.7	
	Piping length	OU - IU	Max.	m	50		
		System	Chargeless	m	30		
	Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 30m)		
	Level difference	IU - OU	Max.	m	30.0		
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240		

Contains fluorinated greenhouse gases

Fully flat cassette

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

- Combination with split outdoor units is ideal for small retail, offices and residential applications
- 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
- Unified indoor unit range for R-32 and R-410A
- Two optional intelligent sensors improve energy efficiency and comfort
- Individual flap control: flexibility to suit every room layout without changing the location of the unit!
- Optional fresh air intake
- Branch duct discharge allows to optimize air distribution in irregular shaped rooms or to supply air to small adjacent rooms
- 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.

FFA-A9 RXM-R RXM-R9

Efficiency data				FFA + RXM	25A9 + 25R9	35A9 + 35R9	50A9 + 50R	60A9 + 60R
Cooling capacity	Nom.			kW	2.50	3.40	5.00	5.70
Heating capacity	Nom.			kW	3.20	4.20	5.80	7.00
Space cooling	Energy efficiency class				A++		A+	
	Capacity		Pdesign	kW	2.50	3.40	5.00	5.70
	SEER				6.17	6.38	5.98	5.76
	Annual energy consumption			kWh/a	142	186	293	346
Space heating (Average climate)	Energy efficiency class				A+		A	A+
	Capacity		Pdesign	kW	2.31	3.10	3.84	3.96
	SCOP/A				4.24	4.10	3.90	4.04
	Annual energy consumption			kWh/a	762	1,058	1,378	1,373

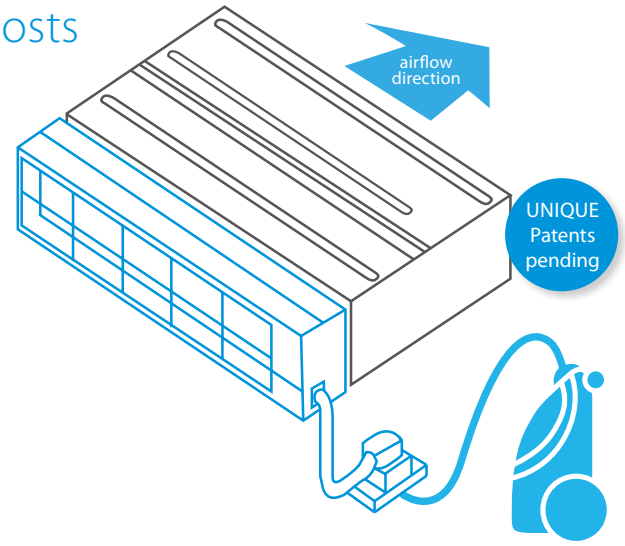
Indoor unit				FFA	25A9	35A9	50A9	60A9
Dimensions	Unit	HeightxWidthxDepth		mm	260x575x575			
Weight	Unit			kg	16.0		17.5	
Air filter	Type				Resin net			
Decoration panel	Model				BYFQ60C2W1W / BYFQ60C2W1S / BYFQ60B2W1 / BYFQ60B3W1			
	Colour				White (N9.5)/SILVER/White (RAL9010)/WHITE (RAL9010)			
	Dimensions	HeightxWidthxDepth		mm	46x620x620 / 46x620x620 / 55x700x700 / 55x700x700			
	Weight			kg	2.8/2.8/2.7/2.7			
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min	6.5/8.0/9.0	6.5/8.5/10.0	8.6/10.9/12.7	9.5/12.5/14.5
		Heating	Low/Medium/High	m^3/min	6.5/8.0/9.0	6.5/8.5/10.0	8.6/10.9/12.7	9.5/12.5/14.5
Sound power level	Cooling			dBA	48.0	51.0	56.0	60.0
Sound pressure level	Cooling	Low/Medium/High		dBA	25.0/28.5/31.0	25.0/30.5/34.0	27.0/34.0/39.0	32.0/40.0/43.0
	Heating	Low/Medium/High		dBA	25.0/28.5/31.0	25.0/30.5/34.0	27.0/34.0/39.0	32.0/40.0/43.0
Control systems	Infrared remote control				BRC7EB530W (standard panel) / BRC7F530W (white panel) / BRC7F530S (grey panel)			
	Wired remote control				BRC1H52W/S/K / BRC1E53A / BRC1E53B / BRC1E53C / BRC1D52			
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240			

Outdoor unit				RXM	25R9	35R9	50R	60R
Dimensions	Unit	HeightxWidthxDepth		mm	552x840x350		734x870x373	
Weight	Unit			kg	32		49.0	
Sound pressure level	Cooling	Nom.		dBA	46.0	49.0	48.0	
	Heating	Nom.		dBA	47.0	49.0		
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10 ~ 46			
	Heating	Ambient	Min.~Max.	°CWB	-15 ~ 24			
Refrigerant	Type				R-32			
	GWP				675		675.0	
	Charge			kg/TCO2Eq	0.76/0.52		1.15/0.780	
Piping connections	Liquid	OD		mm	6.35			
	Gas	OD		mm	9.52		12.7	
	Piping length	OU - IU	Max.	m	20		30	
		System	Chargeless	m	10		-	
	Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 10m)			
	Level difference	IU - OU	Max.	m	15		20.0	
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240			
Current - 50Hz	Maximum fuse amps (MFA)			A	-		16	

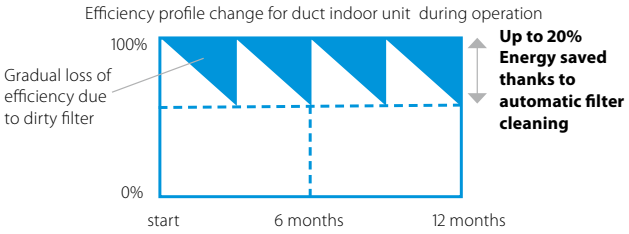
Contains fluorinated greenhouse gases

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**

youtube.com/DaikinEurope

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		

Multi zoning kit

for concealed ceiling units

Easy selection via our NEW software!

The multi-zoning system is a room-by-room controller. It is fitted with motorised dampers, which immediately adapt using Daikin ducted solutions. This system supports control of up to 8 zones via a centralised thermostat located in the main room and individual thermostats for each of the zones.

Benefits

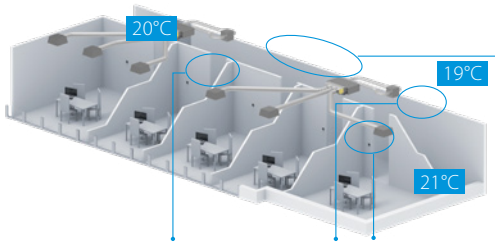
Increased comfort

› Increases comfort levels by allowing more individual zone control
  - Up to 8 individual zones can be served thanks to separate modulating dampers
  - Individual thermostat for room-by-room or zone-by-zone control

Easy to install

› Automatic air flow adjustment according to the demand
› Easy to install, integrates with the Daikin indoor units and system controls
› Time saving as plenum comes fully pre-assembled with dampers, and control boards
› Reduces the amount of refrigerant required in the installation

How does it work?



Zoning box: fully pre-assembled plenum with dampers

Individual zone thermostats

Bluezero - Airzone Main Thermostat
› Color graphic interface for controlling zones

AZCE6BLUEZEROCB (Wired)

Airzone Zone Thermostat
› Graphic interface with low-energy e-ink screen for controlling zones

AZCE6THINKRB (Wireless)

Airzone Zone Thermostat
› Thermostat with buttons for controlling the temperature

AZCE6LITECB (Wired)
AZCE6LITERB (Wireless)

Compatibility

Number of motorised dampers		Reference	Dimensions H x W x D (mm)	Ø (mm)	SkyAir FDXM-F9 25	35	50	60	SkyAir FBA-A(9) 35	50	60	71	100	125	140	SkyAir ADEA-A 71	100	125	VRV IV+ FXDQ-A3 15	20	25	32	40	50	63	VRV IV+ FXSQ-A 15	20	25	32	40	50	63	80	100	125	140
Standard plenum																																			
	2	AZEZ6DAIST07XS2	300 x 930 x 454	200																						•	•	•	•						
		AZEZ6DAIST07S2							•	•																				•	•					
	3	AZEZ6DAIST07XS3																								•	•	•	•						
		AZEZ6DAIST07S3							•	•																				•	•					
	4	AZEZ6DAIST07S4	300 x 1,140 x 454						•	•																				•	•					
		AZEZ6DAIST07M4									•	•				•																•	•			
	5	AZEZ6DAIST07M5	300 x 1,425 x 454								•	•				•																•	•			
		AZEZ6DAIST07L5											•	•	•		•	•																•	•	
	6	AZEZ6DAIST07M6	300 x 1,638 x 454								•	•				•																•	•			
		AZEZ6DAIST07L6											•	•	•		•	•																•	•	
	7	AZEZ6DAIST07L7	515 x 1,425 x 454										•	•	•		•	•																•	•	
		AZEZ6DAIST07XL7																																		•
	8	AZEZ6DAIST07L8											•	•	•		•	•																•	•	
		AZEZ6DAIST07XL8																																		•
Medium plenum																																			
	2	AZEZ6DAIBS07XS2	250 x 930 x 454	200																						•	•	•	•						
		AZEZ6DAIBS07S2							•	•																				•	•					
	3	AZEZ6DAIBS07XS3																								•	•	•	•						
		AZEZ6DAIBS07S3							•	•																				•	•					
		AZEZ6DAIBS07M3									•	•				•																•	•			
	4	AZEZ6DAIBS07S4	250 x 1,140 x 454						•	•																				•	•					
		AZEZ6DAIBS07M4									•	•				•																•	•			
		AZEZ6DAIBS07L4											•	•	•		•	•																•	•	
	5	AZEZ6DAIBS07S5	250 x 1,425 x 454						•	•																				•	•					
		AZEZ6DAIBS07M5									•	•				•																•	•			
		AZEZ6DAIBS07L5											•	•	•		•	•																•	•	
		AZEZ6DAIBS07XL5																																		•
	6	AZEZ6DAIBS07M6	250 x 1,638 x 454								•	•				•																•	•			
		AZEZ6DAIBS07L6											•	•	•		•	•																•	•	
		AZEZ6DAIBS07XL6																																		•
Slim plenum	2	AZEZ6DAISL01S2	210 x 720 x 444	200	•	•													•	•	•	•													
	3	AZEZ6DAISL01S3			•	•													•	•	•	•													
	4	AZEZ6DAISL01M4	210 x 930 x 444																				•	•											
	5	AZEZ6DAISL01L5	210 x 1,140 x 444				•	•																	•										

(1) Reversible units can be blocked to heating only via AZX6MCS module

For more information on options refer to page 128

SkyAir Alpha-series BLUEVOLUTION

Slim concealed ceiling unit

Compact concealed ceiling unit, with a height of only 200mm

- Combination with Sky Air Alpha-series ensures best in class quality, highest efficiency and performance
- Invisible unit as the unit is concealed in the ceiling: only the suction and discharge grilles are visible
- Compact dimensions, can easily be mounted in a ceiling void of only 240mm
- Medium external static pressure up to 40Pa facilitates unit use with flexible ducts of varying lengths
- Auto cleaning filter option ensures maximum efficiency, comfort and reliability by regular filter cleaning
- Multi zoning kit allows multiple individually-controlled climate zones to be served by one indoor unit
- Onecta app (optional): control your indoor from any location with an app, via your local network or internet and keep an overview on your energy consumption

with auto cleaning and multi zoning option

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

FDXM-F9 RZAG-A

Efficiency data				FDXM + RZAG	35F9 + 35A	50F9 + 50A	60F9 + 60A
Cooling capacity	Min./Nom./Max.			kW	1.6/3.5/4.5	1.7/5.0/6.0	1.7/6.0/6.5
Heating capacity	Min./Nom./Max.			kW	1.40/4.00/5.00	1.70/5.00/6.00	1.70/7.00/7.50
Space cooling	Energy efficiency class				A+		
	Capacity		Pdesign	kW	3.50	5.00	6.00
	SEER				5.90		5.70
	Annual energy consumption			kWh/a	208	296	368
Space heating (Average climate)	Energy efficiency class				A		
	Capacity		Pdesign	kW	3.50	4.30	4.50
	SCOP/A				3.90		
	Annual energy consumption			kWh/a	1,255	1,544	1,616

Indoor unit				FDXM	35F9	50F9	60F9
Dimensions	Unit	HeightxWidthxDepth		mm	200x750x620	200x1,150x620	
Weight	Unit			kg	21	28	
Air filter	Type				Removable / washable		
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min	7.3/8.0/8.7	13.3/14.6/15.8	13.5/14.8/16.0
		Heating	Low/Medium/High	m^3/min	7.3/8.0/8.7	13.3/14.6/15.8	13.5/14.8/16.0
	External static pressure	Nom.		Pa	30	40	
Sound power level	Cooling			dBA	53.0	55.0	56.0
	Heating			dBA	53.0	55.0	56.0
Sound pressure level	Cooling	Low/High		dBA	27.0/35.0	30.0/38.0	
	Heating	Low/High		dBA	27.0/35.0	30.0/38.0	
Control systems	Infrared remote control				BRC4C65		
	Wired remote control				BRC1H52W/S/K, BRC1E53A/B/C, BRC1D52		

Outdoor unit				RZAG	35A	50A	60A
Dimensions	Unit	HeightxWidthxDepth		mm	734x870x373		
Weight	Unit			kg	52		
Sound power level	Cooling			dBA	62.0	63.0	64.0
	Heating			dBA	62.0	63.0	64.0
Sound pressure level	Cooling	Nom.		dBA	48.0	49.0	50.0
	Heating	Nom.		dBA	48.0	49.0	50.0
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-20~52		
	Heating	Ambient	Min.~Max.	°CWB	-20~24		
Refrigerant	Type/GWP				R-32/675.0		
	Charge			kg/TCO2Eq	1.55/1.05		
Piping connections	Liquid/Gas OD			mm	6.35/9.52	6.35/12.7	
	Piping length	OU - IU	Max.	m	50		
		System	Chargeless	m	30		
	Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 30m)		
	Level difference	IU - OU	Max.	m	30.0		
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240		

Contains fluorinated greenhouse gases

Slim concealed ceiling unit

Compact concealed ceiling unit, with a height of only 200mm

- Combination with split outdoor units is ideal for small retail, offices and residential applications
- Invisible unit as the unit is concealed in the ceiling: only the suction and discharge grilles are visible
- Compact dimensions, can easily be mounted in a ceiling void of only 240mm
- Medium external static pressure up to 40Pa facilitates unit use with flexible ducts of varying lengths
- Auto cleaning filter option ensures maximum efficiency, comfort and reliability by regular filter cleaning
- Multi zoning kit allows multiple individually-controlled climate zones to be served by one indoor unit
- Onecta app (optional): control your indoor from any location with an app, via your local network or internet and keep an overview on your energy consumption

with auto cleaning and multi zoning option

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

FDXM-F9 RXM-R RXM-R9

Efficiency data				FDXM + RXM	25F9 + 25R9	35F9 + 35R9	50F9 + 50R	60F9 + 60R
Cooling capacity	Min./Nom./Max.			kW	1.30/2.40/3.00	1.40/3.40/3.80	1.70/5.00/5.30	1.70/6.00/6.50
Heating capacity	Min./Nom./Max.			kW	1.30/3.20/4.50	1.40/4.00/5.00	1.70/5.80/6.00	1.70/7.00/7.10
Space cooling	Energy efficiency class				A+	A	A+	A
	Capacity		Pdesign	kW	2.40	3.40	5.00	6.00
	SEER				5.68	5.26	5.77	5.56
	Annual energy consumption			kWh/a	148	226	303	378
Space heating (Average climate)	Energy efficiency class				A+	A		
	Capacity		Pdesign	kW	2.60	2.90	4.00	4.60
	SCOP/A				4.24	3.88	3.93	3.80
	Annual energy consumption			kWh/a	858	1,046	1,424	1,693

Indoor unit				FDXM	25F9	35F9	50F9	60F9
Dimensions	Unit	HeightxWidthxDepth		mm	200x750x620		200x1,150x620	
Weight	Unit			kg	21		28	
Air filter	Type				Removable / washable			
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min	7.3/8.0/8.7		13.3/14.6/15.8	13.5/14.8/16.0
		Heating	Low/Medium/High	m^3/min	7.3/8.0/8.7		13.3/14.6/15.8	13.5/14.8/16.0
	External static pressure	Nom.		Pa	30		40	
Sound power level	Cooling			dBA	53.0		55.0	56.0
	Heating			dBA	53.0		55.0	56.0
Sound pressure level	Cooling	Low/High		dBA	27.0/35.0		30.0/38.0	
	Heating	Low/High		dBA	27.0/35.0		30.0/38.0	
Control systems	Infrared remote control				BRC4C65			
	Wired remote control				BRC1H52W/S/K, BRC1E53A/B/C, BRC1D5			

Outdoor unit				RXM	25R9	35R9	50R	60R
Dimensions	Unit	HeightxWidthxDepth		mm	552x840x350		734x870x373	
Weight	Unit			kg	32		49.0	
Sound pressure level	Cooling	Nom.		dBA	46.0	49.0	48.0	
	Heating	Nom.		dBA	47.0	49.0		
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10 ~ 46			
	Heating	Ambient	Min.~Max.	°CWB	-15 ~ 24			
Refrigerant	Type/GWP				R-32/675.0			
	Charge			kg/TCO2Eq	0.76/0.52		1.15/0.780	
Piping connections	Liquid/Gas	OD		mm	6.35/9.52		6.35/12.7	
	Piping length	OU - IU	Max.	m	20		30	
		System	Chargeless	m	10		-	
	Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 10m)			
	Level difference	IU - OU	Max.	m	15		20	
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240			
Current - 50Hz	Maximum fuse amps (MFA)			A	-		16	

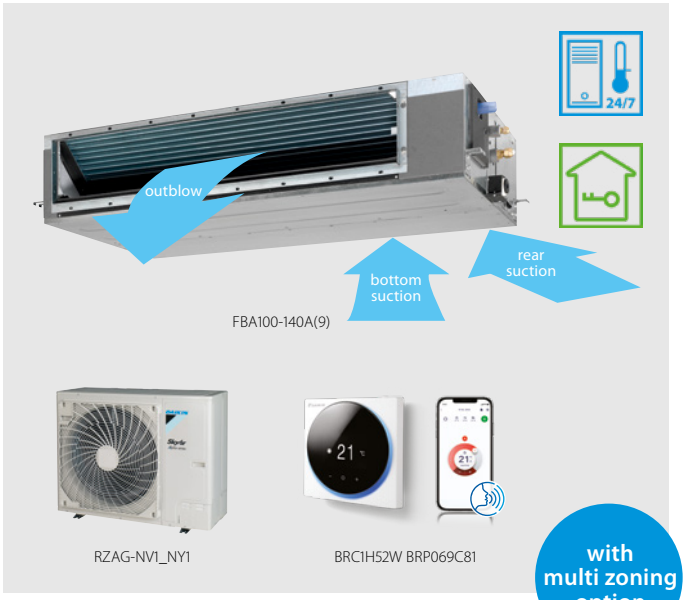
Contains fluorinated greenhouse gases

SkyAir Alpha-series BLUEVOLUTION

Concealed ceiling unit with medium ESP

Slimmest yet most powerful medium static pressure unit on the market

- Slimmest unit in class, only 245mm (300mm built-in height) and therefore narrow ceiling voids are no longer a challenge
- Low operation sound level down to 25dBA
- 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 ceiling: only the suction and discharge grilles are visible
- Multi zoning kit allows multiple individually-controlled climate zones to be served by one indoor unit
- Optional fresh air intake
- Flexible installation: air suction direction can be altered from rear to bottom suction and choice between free use or connection to optional suction grilles
- Standard built-in drain pump with 625mm lift increases flexibility and installation speed



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

FBA-A(9) RZAG-A RZAG-NV1 RZAG-NY1

Efficiency data				**FBA + RZAG**	**35A9+35A**	**50A9+50A**	**60A9+60A**	**71A9+71NV1**	**100A+100NV1**	**125A+125NV1**	**140A+140NV1**	**71A9+71NY1**	**100A+100NY1**	**125A+125NY1**	**140A+140NY1**
Cooling capacity	Min./Nom./Max.			kW	1.6/3.5/5.0	1.7/5.0/6.0	1.7/6.0/7.0	-/6.80/-	-/9.50/-	-/12.1/-	-/13.4/-	-/6.80/-	-/9.50/-	-/12.1/-	-/13.4/-
Heating capacity	Min./Nom./Max.			kW	1.40/4.00/5.00	1.70/6.00/6.00	1.70/7.00/7.50	-/7.50/-	-/10.8/-	-/13.5/-	-/15.5/-	-/7.50/-	-/10.8/-	-/13.5/-	-/15.5/-
Power input	Cooling		Nom.	kW	0.78	1.25	1.48	-							
	Heating		Nom.	kW	0.91	1.58	2.06	-							
Space cooling	Energy efficiency class				A++			-				A++		-	
	Capacity		Pdesign	kW	3.50	5.00	6.00	6.80	9.50	12.1	13.4	6.80	9.50	12.1	13.4
	SEER				6.12	6.30	6.15	6.50	6.47	6.56	6.42	6.50	6.47	6.56	6.42
	ηs,c			%	-					259	254	-		259	254
	Annual energy consumption			kWh/a	200	278	341	366	514	1,107	1,252	366	514	1,107	1,252
Space heating (Average climate)	Energy efficiency class				A+			-				A+		-	
	Capacity		Pdesign	kW	4.20	4.30	4.50	4.70	7.80	9.52		4.70	7.80	9.52	
	SCOP/A				4.10			4.20	4.36	4.37	4.34	4.20	4.36	4.37	4.34
	ηs,h			%	-					172	171	-		172	171
	Annual energy consumption			kWh/a	1,434	1,469	1,537	1,566	2,505	3,050	3,070	1,566	2,505	3,050	3,070

Indoor unit				**FBA**	**35A9**	**50A9**	**60A9**	**71A9**	**100A**	**125A**	**140A**	**71A9**	**100A**	**125A**	**140A**
Dimensions	Unit	HeightxWidthxDepth		mm	245x700x800		245x1,000x800		245x1,400x800			245x1,000x800	245x1,400x800		
Weight	Unit			kg	28.0		35.0		46.0			35.0	46.0		
Air filter	Type				Resinnet										
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min	10.5/12.5/15.0		12.5/15.0/18.0		23.0/26.0/29.0	23.5/29.0/34.0		12.5/15.0/18.0	23.0/26.0/29.0	23.5/29.0/34.0	
		Heating	Low/Medium/High	m^3/min	10.5/12.5/15.0		12.5/15.0/18.0		23.0/26.0/29.0	23.5/29.0/34.0		12.5/15.0/18.0	23.0/26.0/29.0	23.5/29.0/34.0	
	External static pressure	Nom./High		Pa	30/150				40/150	50/150		30/150	40/150	50/150	
Sound power level	Cooling			dBA	60.0		56.0		58.0	62.0		56.0	58.0	62.0	
Sound pressure level	Cooling	Low/Medium/High		dBA	29.0/32.0/35.0		25.0/28.0/30.0		30.0/32.0/34.0	32.0/35.0/37.0		25.0/28.0/30.0	30.0/32.0/34.0	32.0/35.0/37.0	
	Heating	Low/Medium/High		dBA	29.0/34.0/37.0		25.0/28.0/31.0		30.0/33.0/36.0	32.0/35.0/38.0		25.0/28.0/31.0	30.0/33.0/36.0	32.0/35.0/38.0	
Control systems	Infrared remote control				BRC4C65 / BRC4C66										
	Wired remote control				BRC1H52W/S/K / BRC1E53A / BRC1E53B / BRC1E53C / BRC1D52										
Piping connections	Drain				VP20 (I.D. 20/O.D. 26)										
Drain-up height				mm	625										

Outdoor unit				**RZAG**	**35A**	**50A**	**60A**	**71NV1**	**100NV1**	**125NV1**	**140NV1**	**71NY1**	**100NY1**	**125NY1**	**140NY1**
Dimensions	Unit	HeightxWidthxDepth		mm	734x870x373			870x1,100x460							
Weight	Unit			kg	52			81	85	95		81	85	94	
Sound power level	Cooling			dBA	62.0	63.0	64.0	64	66	69	70	64	66	69	70
	Heating			dBA	62.0	63.0	64.0	-		68	71	-		68	71
Sound pressure level	Cooling	Nom.		dBA	48.0	49.0	50.0	46	47	49	50	46	47	49	50
	Heating	Nom.		dBA	48.0	49.0	50.0	48	50	52		48	50	52	
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-20 ~ 52			-20 ~52							
	Heating	Ambient	Min.~Max.	°CWB	-20 ~ 24			-20 ~18							
Refrigerant	Type/GWP				R-32/675.0			R-32/675							
	Charge			kg/TCO2Eq	1.55/1.05			3.20/2.16		3.70/2.50		3.20/2.16		3.70/2.50	
Piping connections	Liquid/Gas OD			mm	6.35/9.52	6.35/12.7		9.52/15.9							
	Piping length	OU - IU	Max.	m	50			55	85			55	85		
		System	Equivalent	m	-			75	100			75	100		
			Chargeless	m	30			40							
	Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 30m)			See installation manual							
	Level difference IU - OU		Max.	m	30.0			30							
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240							3~/50/380-415			
Current - 50Hz	Maximum fuse amps (MFA)			A	-			20	32			16			

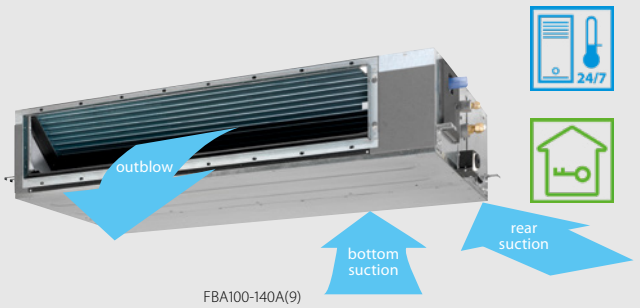
Contains fluorinated greenhouse gases

Sky Air Advance-series
BLUEVOLUTION

Concealed ceiling unit with medium ESP

Slimmest yet most powerful medium static pressure unit on the market

- Combination with Sky Air Advance-series ensures good value for money for all types of commercial applications
- Slimmest unit in class, only 245mm (300mm built-in height) and therefore narrow ceiling voids are no longer a challenge
- Low operation sound level down to 25dBA
- 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



FBA100-140A(9)


RZASG100-140MV1_MY1


BRC1H52W BRP069C81

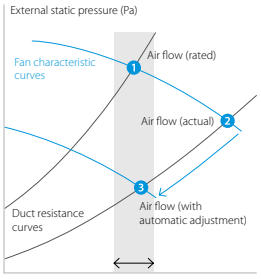
with multi zoning option

Optimised supply air volume

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.

FBA-A(9) RZASG-MV1 RZASG-MY1

Efficiency data				FBA + RZASG	71A9 + 71MV1	100A + 100MV1	125A + 125MV1	140A + 140MV1	100A + 100MY1	125A + 125MY1	140A + 140MY1
Cooling capacity	Nom.			kW	6.80	9.50	12.1	13.4	9.50	12.1	13.4
Heating capacity	Nom.			kW	7.50	10.8	13.5	15.5	10.8	13.5	15.5
Space cooling	Energy efficiency class				A++	A+	-		A+	-	
	Capacity		Pdesign	kW	6.80	9.50	12.1	13.4	9.50	12.1	13.4
	SEER				6.19	5.83	5.49	5.81	5.83	5.49	5.81
	ηs,c			%	-		217	229	-	217	229
	Annual energy consumption			kWh/a	385	570	1,322	1,384	570	1,322	1,384
Space heating (Average climate)	Energy efficiency class				A+	A	-		A	-	
	Capacity		Pdesign	kW	4.50	6.00		7.80	6.00		7.80
	SCOP/A				4.01	3.85	3.63	3.85		3.63	3.85
	ηs,h			%	-		142	151	-	142	151
	Annual energy consumption			kWh/a	1,571	2,182	2,314	2,836	2,182	2,314	2,836

Indoor unit				FBA	71A9	100A	125A	140A	100A	125A	140A
Dimensions	Unit	HeightxWidthxDepth		mm	245x1,000 x800	245x1,400x800					
Weight	Unit			kg	35.0	46.0					
Air filter	Type				Resin net						
Fan	Air flow rate	Cooling	Low/Medium/High	m³/min	12.5/15.0/18.0	23.0/26.0/29.0	23.5/29.0/34.0		23.0/26.0/29.0	23.5/29.0/34.0	
		Heating	Low/Medium/High	m³/min	12.5/15.0/18.0	23.0/26.0/29.0	23.5/29.0/34.0		23.0/26.0/29.0	23.5/29.0/34.0	
	External static pressure	Nom./High		Pa	30/150	40/150	50/150		40/150	50/150	
Sound power level	Cooling			dBA	56.0	58.0	62.0		58.0	62.0	
Sound pressure level	Cooling	Low/Medium/High		dBA	25.0/28.0/30.0	30.0/32.0/34.0	32.0/35.0/37.0		30.0/32.0/34.0	32.0/35.0/37.0	
	Heating	Low/Medium/High		dBA	25.0/28.0/31.0	30.0/33.0/36.0	32.0/35.0/38.0		30.0/33.0/36.0	32.0/35.0/38.0	
Control systems	Infrared remote control				BRC4C65 / BRC4C66						
	Wired remote control				BRC1H52W/S/K / BRC1E53A / BRC1E53B / BRC1E53C / BRC1D52						
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220						

Outdoor unit				RZASG	71MV1	100MV1	125MV1	140MV1	100MY1	125MY1	140MY1
Dimensions	Unit	HeightxWidthxDepth		mm	770x900x320	990x940x320					
Weight	Unit			kg	60	70		78	70		77
Sound power level	Cooling			dBA	65	70	71	73	70	71	73
	Heating			dBA	-		71	73	-	71	73
Sound pressure level	Cooling	Nom.		dBA	46	53		54	53		54
	Heating	Nom.		dBA	47	57					
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-15 ~46						
	Heating	Ambient	Min.~Max.	°CWB	-15 ~15.5						
Refrigerant	Type/GWP				R-32/675						
	Charge			kg/TCO2Eq	2.45/1.65	2.60/1.76		2.90/1.96	2.60/1.76		2.90/1.96
Piping connections	Liquid/Gas	OD		mm	9.52/15.9						
	Piping length	OU - IU	Max.	m	50						
		System	Equivalent	m	70						
			Chargeless	m	30						
	Additional refrigerant charge			kg/m	See installation manual						
	Level difference	IU - OU	Max.	m	30.0						
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240				3~/50/380-415		
Current - 50Hz	Maximum fuse amps (MFA)			A	20	25	32		16		

Contains fluorinated greenhouse gases

SkyAir Active-series
BLUEVOLUTION

Concealed ceiling unit with medium ESP

Slimmest yet most powerful medium static pressure unit on the market

- Ideal solution for small businesses and shops
- Slimmest unit in class, only 245mm (300mm built-in height) and therefore narrow ceiling voids are no longer a challenge
- Low operation sound level down to 25dBA
- 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 ceiling: only the suction and discharge grilles are visible
- Multi zoning kit allows multiple individually-controlled climate zones to be served by one indoor unit
- Reduced energy consumption thanks to specially developed DC fan motor
- Optional fresh air intake
- Flexible installation: air suction direction can be altered from rear to bottom suction and choice between free use or connection to optional suction grilles
- Standard built-in drain pump with 625mm lift increases flexibility and installation speed

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

FBA-A(9) ARXM-R AZAS-MV1 AZAS-MY1

Efficiency data					FCAG + ARXM / AZAS	71A9 + ARXM71R	100A + AZAS100MV1	125A + AZAS125MV1	140A + AZAS140MV1	100A + AZAS100MY1	125A + AZAS125MY1	140A + AZAS140MY1
Cooling capacity	Nom.				kW	6.80	9.50	12.1	13.4	9.50	12.1	13.4
Heating capacity	Nom.				kW	7.50	10.8	13.5	15.5	10.8	13.5	15.5
Space cooling	Energy efficiency class					A	A	-		A	-	
	Capacity		Pdesign		kW	6.80	9.50	12.1	13.0	9.50	12.1	13.0
	SEER					5.57	5.25	4.85	5.50	5.25	4.85	5.50
	ηs,c					-		191	217	-	191	217
	Annual energy consumption				kWh/a	427	633	1,497	1,418	633	1,497	1,418
Space heating (Average climate)	Energy efficiency class					A		-		A	-	
	Capacity		Pdesign		kW	4.50	6.00		7.80	6.00		7.80
	SCOP/A					3.81		3.55	3.85	3.81	3.55	3.85
	ηs,h					-		139	151	-	139	151
	Annual energy consumption				kWh/a	1,652	2,205	2,366	2,836	2,205	2,366	2,836

Indoor unit					FBA	71A9	100A	125A	140A	100A	125A	140A
Dimensions	Unit	HeightxWidthxDepth		mm		245x1,000x800	245x1,400x800					
Weight	Unit			kg		35.0	46.0					
Air filter	Type					Resinnet						
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min		12.5/15.0/18.0	23.0/26.0/29.0	23.5/29.0/34.0		23.0/26.0/29.0	23.5/29.0/34.0	
		Heating	Low/Medium/High	m^3/min		12.5/15.0/18.0	23.0/26.0/29.0	23.5/29.0/34.0		23.0/26.0/29.0	23.5/29.0/34.0	
	External static pressure	Nom./High		Pa		30/150	40/150	50/150		40/150	50/150	
Sound power level	Cooling			dBA		56.0	58.0	62.0		58.0	62.0	
Sound pressure level	Cooling	Low/Medium/High		dBA		25.0/28.0/30.0	30.0/32.0/34.0	32.0/35.0/37.0		30.0/32.0/34.0	32.0/35.0/37.0	
	Heating	Low/Medium/High		dBA		25.0/28.0/31.0	30.0/33.0/36.0	32.0/35.0/38.0		30.0/33.0/36.0	32.0/35.0/38.0	
Control systems	Infrared remote control					BRC4C65 / BRC4C66						
	Wired remote control					BRC1H52W/S/K / BRC1E53A / BRC1E53B / BRC1E53C / BRC1D52						
Power supply	Phase/Frequency/Voltage			Hz/V		1~/50/60/220-240/220						

Outdoor unit					ARXM71R	AZAS100MV1	AZAS125MV1	AZAS140MV1	AZAS100MY1	AZAS125MY1	AZAS140MY1
Dimensions	Unit	HeightxWidthxDepth		mm	734x954x401	990x940x320					
Weight	Unit			kg	49.0	70		78	70		77
Sound power level	Cooling				-	70	71	73	70	71	73
					-		71	73	-	71	73
Sound pressure level	Cooling	Nom.		dBA	52.0	53		54	53		54
	Heating	Nom.		dBA	52.0	57					
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~46	-5 ~46					
	Heating	Ambient	Min.~Max.	°CWB	-15~18	-15 ~15.5					
Refrigerant	Type/GWP				R-32/675						
	Charge			kg/TCO2Eq	1.15/0.780	2.60/1.76		2.90/1.96	2.60/1.76		2.90/1.96
Piping connections	Liquid/Gas OD			mm	9.52/15.9						
	Piping length	OU - IU	Max.	m	30						
		System	Equivalent	m	-	50					
			Chargeless	m	-	30					
	Additional refrigerant charge			kg/m	0.035 (for piping length exceeding 10m)	See installation manual					
	Level difference	IU - OU	Max.	m	20.0	30.0					
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240				3~/50/380-415		
Current - 50Hz	Maximum fuse amps (MFA)			A	-	25	32		16		

Contains fluorinated greenhouse gases

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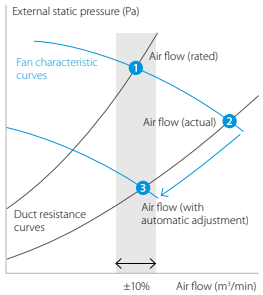
- Possibility to change ESP via wired remote control allows optimisation of the supply air volume

Optimised supply air volume

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.

FBA-A(9) RXM-R RXM-R9

Efficiency data			FBA + RXM	35A9 + 35R9	50A9 + 50R	60A9 + 60R
Cooling capacity	Nom.		kW	3.40	5.00	5.70
Heating capacity	Nom.		kW	4.00	5.50	7.00
Space cooling	Energy efficiency class			A++		A+
	Capacity	Pdesign	kW	3.40	5.00	5.70
	SEER			6.23	6.27	5.91
	Annual energy consumption		kWh/a	191	279	336
Space heating (Average climate)	Energy efficiency class			A+		
	Capacity	Pdesign	kW	2.90	4.40	4.60
	SCOP/A			4.07	4.06	4.01
	Annual energy consumption		kWh/a	996	1,517	1,607

Indoor unit				FBA	35A9	50A9	60A9
Dimensions	Unit	HeightxWidthxDepth		mm	245x700x800		245x1,000x800
Weight	Unit			kg	28.0		35.0
Air filter	Type				Resin net		
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min	10.5/12.5/15.0		12.5/15.0/18.0
		Heating	Low/Medium/High	m^3/min	10.5/12.5/15.0		12.5/15.0/18.0
	External static pressure	Nom./High		Pa	30/150		
Sound power level	Cooling			dBA	60.0		56.0
Sound pressure level	Cooling	Low/Medium/High		dBA	29.0/32.0/35.0		25.0/28.0/30.0
	Heating	Low/Medium/High		dBA	29.0/34.0/37.0		25.0/28.0/31.0
Control systems	Infrared remote control				BRC4C65 / BRC4C66		
	Wired remote control				BRC1H52W/S/K / BRC1E53A / BRC1E53B / BRC1E53C / BRC1D52		
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220		

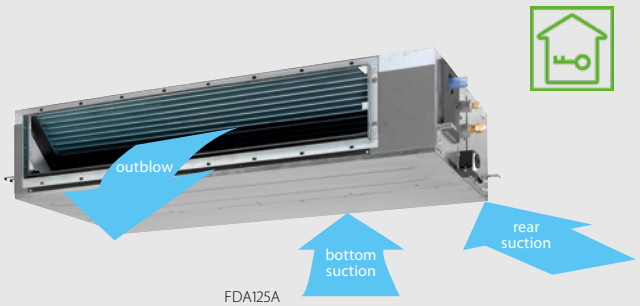
Outdoor unit				RXM	35R9	50R	60R
Dimensions	Unit	HeightxWidthxDepth		mm	552x840x350	734x870x373	
Weight	Unit			kg	32	49.0	
Sound pressure level	Cooling	Nom.		dBA	49.0	48.0	
	Heating	Nom.		dBA	49.0		
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10 ~50/46		
	Heating	Ambient	Min.~Max.	°CWB	-20~24		
Refrigerant	Type				R-32		
	GWP				675	675.0	
	Charge			kg/TCO2Eq	0.76/0.52	1.15/0.780	
Piping connections	Liquid	OD		mm	6.35		
	Gas	OD		mm	9.52	12.7	
	Piping length	OU - IU	Max.	m	20	30	
		System	Chargeless	m	10	-	
	Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 10m)		
	Level difference	IU - OU	Max.	m	15	20.0	
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240		
Current - 50Hz	Maximum fuse amps (MFA)			A	-	16	

Contains fluorinated greenhouse gases

Concealed ceiling unit with high ESP

ESP up to 200 Pa, ideal for large sized spaces

- High external static pressure up to 200Pa facilitates extensive duct and grille network
- Possibility to change ESP via wired remote control allows optimisation of the supply air volume
- Discretely concealed in the ceiling: only the suction and discharge grilles are visible
- Built-in drain pump (625mm) increases the flexibility and installation speed (standard for FDA125, optional for FDA200-250)
- Standard supplied suction filter simplifies installation



FDA125A


RZAG-NV1_NY1


BRC1H52W BRP069C81

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

FDA-A RZAG-NV1 RZAG-NY1 RZASG-MV1 RZASG-MY1

					Sky Air Alpha-series		Sky Air Advance-series	
Efficiency data			**FDA + RZAG / RZASG**		**125A + 125NV1**	**125A + 125NY1**	**125A + 125MV1**	**125A + 125MY1**
Cooling capacity	Min./Nom./Max.			kW	-/12.1 /-			
Heating capacity	Min./Nom./Max.			kW	-/13.5 /-			
Space cooling	Capacity		Pdesign	kW	12.1			
	SEER				6.59		5.03	
	ηs,c			%	261		198	
	Annual energy consumption			kWh/a	1,102		1,444	
Space heating (Average climate)	Capacity		Pdesign	kW	9.52		6.00	
	SCOP/A				4.35		3.58	
	ηs,h			%	171		140	
	Annual energy consumption			kWh/a	3,064		2,346	

Indoor unit					**FDA**	**125A**	**125A**	**125A**	**125A**
Dimensions	Unit	HeightxWidthxDepth			mm	300x1,400x700			
Weight	Unit				kg	45			
Required ceiling void >					mm	350			
Air filter	Type					Resinnet			
Decoration panel						BYBS125DJW1			
	Colour					White(10Y9/0.5)			
	Dimensions	HeightxWidthxDepth			mm	55x1,500x500			
	Weight				kg	6.5			
Fan	Air flow rate	Cooling	Low/High		m^3/min	28.0/39.0			
		Heating	Low/High		m^3/min	28.0/39.0			
	External static pressure	Nom./High			Pa	50/200			
Sound power level	Cooling				dBA	66			
Sound pressure level	Cooling	Low/Medium/High			dBA	33/-/40			
	Heating	Low/Medium/High			dBA	33/-/40			
Control systems	Infrared remote control					BRC4C65 / BRC4C66			
	Wired remote control					BRC1H52W/S/K / BRC1E53A / BRC1E53B / BRC1E53C / BRC1D52			
Piping connections	Drain					VP25 (I.D. 25/O.D. 32)			
Drain-up height					mm	625			
Power supply	Phase/Frequency/Voltage				Hz/V	1~/50/60/220-240/220			

Outdoor unit						**RZAG125NV1**	**RZAG125NY1**	**RZASG125MV1**	**RZASG125MV1**
Dimensions	Unit	HeightxWidthxDepth			mm	870x1,100x460		990x940x320	
Weight	Unit				kg	95	94	70	
Sound power level	Cooling				dBA	69		71	
	Heating				dBA	68		71	
Sound pressure level	Cooling	Nom.			dBA	49		53	
	Heating	Nom.			dBA	52		57	
Operation range	Cooling	Ambient	Min.~Max.		°CDB	-20 ~52		-15 ~46	
	Heating	Ambient	Min.~Max.		°CWB	-20 ~18		-15 ~15.5	
Refrigerant	Type/GWP					R-32/675			
	Charge				kg/TCO2Eq	3.70/2.50		2.60/1.76	
Piping connections	Liquid/ Gas	OD			mm	9.52/15.9			
	Piping length	OU - IU	Max.		m	85		50	
		System	Equivalent		m	100		70	
			Chargeless		m	40		30	
	Additional refrigerant charge				kg/m	See installation manual			
	Level difference	IU - OU	Max.		m	30		30.0	
Power supply	Phase/Frequency/Voltage				Hz/V	1~/50/220-240	3~/50/380-415	1~/50/220-240	3~/50/380-415
Current - 50Hz	Maximum fuse amps (MFA)				A	32	16	32	16

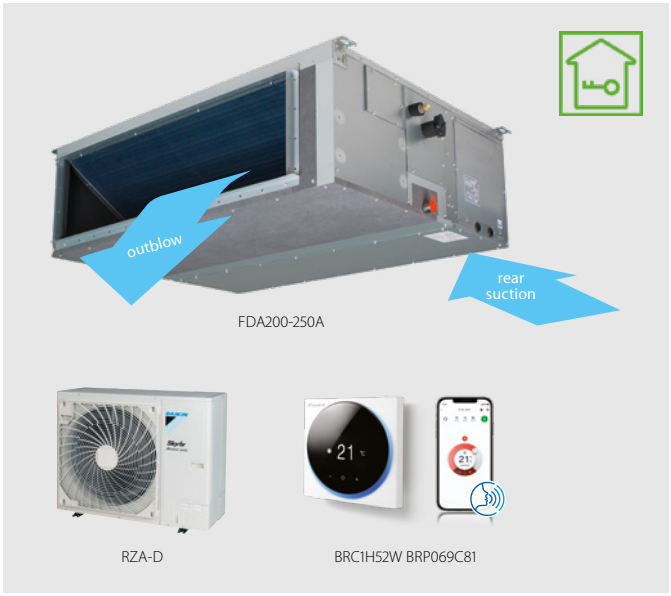
Contains fluorinated greenhouse gases

SkyAir Advance-series
BLUEVOLUTION

Concealed ceiling unit with high ESP

ESP up to 250 Pa, ideal for large sized spaces

› High external static pressure up to 250Pa facilitates extensive duct and grille network
› Possibility to change ESP via wired remote control allows optimisation of the supply air volume
› Discretely concealed in the ceiling: only the suction and discharge grilles are visible
› Optional drain pump
› Standard supplied suction filter simplifies installation
› Up to 26.4kW in heating mode



FDA200-250A

RZA-D

BRC1H52W BRP069C81

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

FDA-A

RZA-D

Efficiency data				FDA + RZA	200A + 200D	250A + 250D
Cooling capacity	Min./Nom./Max.			kW	-/19.0/-	-/22.0/-
Heating capacity	Min./Nom./Max.			kW	-/22.4/-	-/24.0/-
Space cooling	Capacity		Pdesign	kW	19.0	22.0
	SEER				6.26	5.38
	ηs,c			%	247	212
	Annual energy consumption			kWh/a	1,821	2,455
Space heating (Average climate)	Capacity		Pdesign	kW	11.2	12.1
	SCOP/A				3.59	3.55
	ηs,h			%	141	139
	Annual energy consumption			kWh/a	4,368	4,765

Indoor unit				FDA	200A	250A
Dimensions	Unit	HeightxWidthxDepth		mm	470x1,490x1,100	
Weight	Unit			kg	104	115
Air filter	Type				Resinnet	
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min	36.0/50/64.0	43.0/56/69.0
		Heating	Low/Medium/High	m^3/min	36.0/50.0/64.0	43.0/56.0/69.0
	External static pressure	Nom./High		Pa	62/250	
Sound power level	Cooling			dBA	69.0	71.0
Sound pressure level	Cooling	Low/Medium/High		dBA	36.0/39.0/43.0	37.0/40.0/44.0
	Heating	Low/Medium/High		dBA	36.0/39.0/43.0	37.0/40.0/44.0
Control systems	Wired remote control				BRC1H52W/S/K / BRC1E53A / BRC1E53B / BRC1E53C / BRC1D52	
Piping connections	Drain				BSP1	

Outdoor unit				RZA	200D	250D
Dimensions	Unit	HeightxWidthxDepth		mm	870x1,100x460	
Weight	Unit			kg	117	
Sound power level	Cooling			dBA	73	76
	Heating			dBA	76	79
Sound pressure level	Cooling	Nom.		dBA	53	57
	Heating	Nom.		dBA	60	63
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-20~46	
	Heating	Ambient	Min.~Max.	°CWB	-20~15	
Refrigerant	Type/GWP				R-32/675	
	Charge			kg/TCO2Eq	5/3.38	
Piping connections	Liquid/Gas OD			mm	9.52/22.2	
	Piping length	OU - IU	Max.	m	100	
		System	Chargeless	m	30	
	Additional refrigerant charge			kg/m	See installation manual	
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/380-415	
Current - 50Hz	Maximum fuse amps (MFA)			A	20	

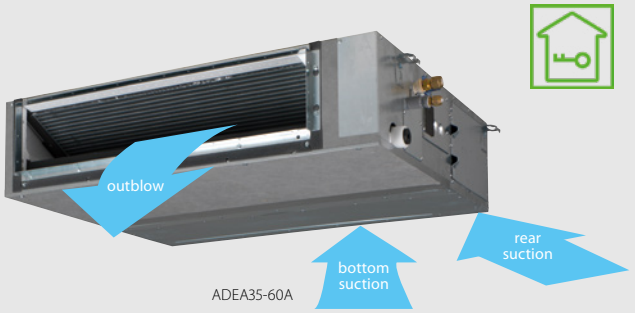
Contains fluorinated greenhouse gases

SkyAir Active-series
BLUEVOLUTION

Concealed ceiling unit with medium ESP

Ideal for residential applications with false ceilings

- Combination with split outdoor units is ideal for small retail, offices or residential applications
- Slimmest unit in class, only 245mm (300mm built-in height) and therefore narrow ceiling voids are no longer a challenge
- Low operation sound level down to 25dBA
- 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 ceiling: only the suction and discharge grilles are visible
- Multi zoning kit allows multiple individually-controlled climate zones to be served by one indoor unit



ADEA35-60A


AZAS100-140MV1_MY1


BRC1E53A/B/C


BRP069C81

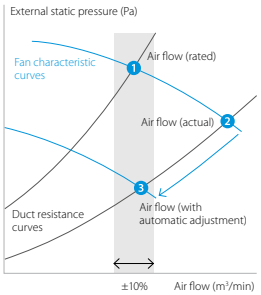
with multi zoning option

Optimised supply air volume

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.

ADEA-A ARXM-R AZAS-MV1

Efficiency data				ADEA	71A + ARXM71R	100A + AZAS100MV1	125A + AZAS125MV1
Cooling capacity	Nom.			kW	6.80	9.50	12.10
Heating capacity	Nom.			kW	7.50	10.80	13.50
Space cooling	Energy efficiency class				A	A	-
	Capacity		Pdesign	kW	6.80	9.50	12.10
	SEER				5.35	5.13	4.73
	ηs,c			%	-		186
	Annual energy consumption			kWh/a	445	648	1,534
Space heating (Average climate)	Energy efficiency class				A		-
	Capacity		Pdesign	kW	6.00		
	SCOP/A				3.80	3.81	3.50
	ηs,h			%	-	-	137
	Annual energy consumption			kWh/a	2,209	2,206	2,399

Indoor unit				ADEA	71A	100A	125A
Dimensions	Unit	HeightxWidthxDepth		mm	245x1,000x800	245x1,400x800	
Weight	Unit			kg	35.0	46.0	
Air filter	Type				Resin net		
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min	12.5/15.0/18.0	23.0/26.0/29.0	23.5/29.0/34.0
		Heating	Low/Medium/High	m^3/min	12.5/15.0/18.0	23.0/26.0/29.0	23.5/29.0/34.0
	External static pressure	Nom./High		Pa	30/150	40/150	50/150
Sound power level	Cooling			dBA	56	58	62
Sound pressure level	Cooling	Low/Medium/High		dBA	25/28/30	30/32/34	32/35/37
	Heating	Low/Medium/High		dBA	25/28/31	30/33/36	32/35/38
Control systems	Infrared remote control				BRC4C65 / BRC4C66		
	Wired remote control				BRC1E53A / BRC1E53B / BRC1E53C / BRC1D52		
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240/220		

Outdoor unit					ARXM71R	AZAS100MV1	AZAS125MV1
Dimensions	Unit	HeightxWidthxDepth		mm	734x954x401	990x940x320	
Weight	Unit			kg	49.0	70	
Sound power level	Cooling			dBA	-	70	71
	Heating			dBA	-		71
Sound pressure level	Cooling	Nom.		dBA	52.0	53	
	Heating	Nom.		dBA	52.0	57	
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10 ~ 50	-5 ~46	
	Heating	Ambient	Min.~Max.	°CWB	-20 ~ 24	-15 ~15.5	
Refrigerant	Type/GWP				R-32/675.0		
	Charge			kg/TCO2Eq	1.15/0.780	2.60/1.76	
Piping connections	Liquid/Gas OD			mm	9.52/15.9		
	Piping length	OU - IU	Max.	m	30		
		System	Equivalent	m	-	50	
			Chargeless	m	-	30	
	Additional refrigerant charge			kg/m	0.035 (for piping length exceeding 10m)	See installation manual	
	Level difference	IU - OU	Max.	m	20.0	30.0	
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240	1~/50/220-240	
Current - 50Hz	Maximum fuse amps (MFA)			A	-	25	32

Contains fluorinated greenhouse gases

Sky Air Alpha-series BLUEVOLUTION

Wall mounted unit

For rooms with no false ceilings nor free floor space

- Combination with Sky Air Alpha-series ensures best in class quality, highest efficiency and performance
- 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
- Flexible to install as the largest casing only weighs 17kg and piping connection can be done at the bottom, left or right of the unit

FAA71B

RZAG-NV1_NY1

BRC1H52W, BRP069C81

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

FAA-B RZAG-NV1 RZAG-NY1

Efficiency data				**FAA + RZAG**	**71B + 71NV1**	**100B + 100NV1**	**71B + 71NY1**	**100B + 100NY1**
Cooling capacity	Nom.			kW	6.80	9.50	6.80	9.50
Heating capacity	Nom.			kW	7.50	10.80	7.50	10.80
Space cooling	Energy efficiency class				A++			
	Capacity	Pdesign		kW	6.80	9.50	6.80	9.50
	SEER				6.58	6.42	6.58	6.42
	Annual energy consumption			kWh/a	362	518	362	518
Space heating (Average climate)	Energy efficiency class				A+			
	Capacity	Pdesign		kW	4.70	7.80	4.70	7.80
	SCOP/A				4.20	4.01	4.20	4.01
	Annual energy consumption			kWh/a	1,567	2,725	1,567	2,725

Indoor unit				**FAA**	**71B**	**100B**	**71B**	**100B**
Dimensions	Unit	HeightxWidthxDepth		mm	290x1,050x269	340x1,200x262	290x1,050x269	340x1,200x262
Weight	Unit			kg	14.0	18	14.0	18
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min	12.1/13.4/16.2	18.7/21.1/23.0	12.1/13.4/16.2	18.7/21.1/23.0
		Heating	Low/Medium/High	m^3/min	12.7/14.2/16.9	18.7/20.9/23.0	12.7/14.2/16.9	18.7/20.9/23.0
Sound power level	Cooling			dBA	61.0	65.0	61.0	65.0
	Heating			dBA	61.0	65.0	61.0	65.0
Sound pressure level	Cooling	Low/Medium/High		dBA	40.0/42.0/45.0	41.0/45.0/49.0	40.0/42.0/45.0	41.0/45.0/49.0
	Heating	Low/Medium/High		dBA	40.0/42.0/45.0	41.0/45.0/49.0	40.0/42.0/45.0	41.0/45.0/49.0
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240			

Outdoor unit				**RZAG**	**71NV1**	**100NV1**	**71NY1**	**100NY1**
Dimensions	Unit	HeightxWidthxDepth		mm	870x1,100x460			
Weight	Unit			kg	81	85	81	85
Sound power level	Cooling			dBA	64	66	64	66
Sound pressure level	Cooling	Nom.		dBA	46	47	46	47
	Heating	Nom.		dBA	48	50	48	50
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-20 ~52			
	Heating	Ambient	Min.~Max.	°CWB	-20 ~18			
Refrigerant	Type/GWP				R-32/675			
	Charge			kg/TCO2Eq	3.20/2.16			
Piping connections	Liquid/Gas	OD		mm	9.52/15.9			
	Piping length	OU - IU	Max.	m	55	85	55	85
		System	Equivalent	m	75	100	75	100
			Chargeless	m	40			
	Additional refrigerant charge			kg/m	See installation manual			
	Level difference	IU - OU	Max.	m	30			
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240		3~/50/380-415	
Current - 50Hz	Maximum fuse amps (MFA)			A	20	32	16	

Contains fluorinated greenhouse gases

Wall mounted unit

For rooms with no false ceilings nor free floor space

- Combination with Sky Air Advance-series ensures good value for money for all types of commercial applications
- 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
- Flexible to install as the largest casing only weighs 17kg and piping connection can be done at the bottom, left or right of the unit

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

FAA-B RZASG-MV1 RZASG-MY1

Efficiency data				**FAA + RZASG**	**71B + 71MV1**	**100B + 100MV1**	**100B + 100MY1**
Cooling capacity	Nom.			kW	6.80	9.50	
Heating capacity	Nom.			kW	7.50	10.8	
Space cooling	Energy efficiency class				A++	A+	
	Capacity	Pdesign		kW	6.80	9.50	
	SEER				6.41	5.83	
	Annual energy consumption			kWh/a	371	570	
Space heating (Average climate)	Energy efficiency class				A		
	Capacity	Pdesign		kW	4.50	6.00	
	SCOP/A				3.90	3.85	
	Annual energy consumption			kWh/a	1,615	2,182	

Indoor unit				**FAA**	**71B**	**100B**
Dimensions	Unit	HeightxWidthxDepth		mm	290x1,050x269	340x1,200x262
Weight	Unit			kg	14.0	18
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min	12.1/13.4/16.2	18.7/21.1/23.0
		Heating	Low/Medium/High	m^3/min	12.7/14.2/16.9	18.7/20.9/23.0
Sound power level	Cooling			dBA	61.0	65.0
	Heating			dBA	61.0	65.0
Sound pressure level	Cooling	Low/Medium/High		dBA	40.0/42.0/45.0	41.0/45.0/49.0
	Heating	Low/Medium/High		dBA	40.0/42.0/45.0	41.0/45.0/49.0
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240	

Outdoor unit				**RZASG**	**71MV1**	**100MV1**	**100MY1**
Dimensions	Unit	HeightxWidthxDepth		mm	770x900x320	990x940x320	
Weight	Unit			kg	60	70	
Sound power level	Cooling			dBA	65	70	
Sound pressure level	Cooling	Nom.		dBA	46	53	
	Heating	Nom.		dBA	47	57	
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-15 ~46		
	Heating	Ambient	Min.~Max.	°CWB	-15 ~15.5		
Refrigerant	Type/GWP				R-32/675		
	Charge			kg/TCO2Eq	2.45/1.65	2.60/1.76	
Piping connections	Liquid/Gas	OD		mm	9.52/15.9		
	Piping length	OU - IU	Max.	m	50		
		System	Equivalent	m	70		
			Chargeless	m	30		
	Additional refrigerant charge			kg/m	See installation manual		
	Level difference	IU - OU	Max.	m	30.0		
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240		3~/50/380-415
Current - 50Hz	Maximum fuse amps (MFA)			A	20	25	16

Contains fluorinated greenhouse gases

SkyAir Active-series
BLUEVOLUTION

Wall mounted unit

For rooms with no false ceilings nor free floor space

- Ideal solution for small businesses and shops
- 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
- Flexible to install as the largest casing only weighs 17kg and piping connection can be done at the bottom, left or right of the unit

FAA71B

AZAS100-140MV1_MY1

BRC1H52W, BRP069C81

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

FAA-B ARXM-R AZAS-MV1 AZAS-MY1

Efficiency data					71B + ARXM 71R	100B + AZAS100MV1	100B + AZAS 100MY1
Cooling capacity	Nom./Max.			kW	6.80/6.95	9.50/-	
Heating capacity	Nom./Max.			kW	7.50/7.59	10.8/-	
Power input	Cooling		Nom.	kW	2.00	-	
	Heating		Nom.	kW	2.35	-	
Space cooling	Energy efficiency class				A+	A	
	Capacity		Pdesign	kW	6.80	9.50	
	SEER				5.77	5.25	
	Annual energy consumption			kWh/a	412	633	
Space heating (Average climate)	Energy efficiency class				A	A	
	Capacity		Pdesign	kW	4.50	6.00	
	SCOP/A				3.81	3.81	
	Annual energy consumption			kWh/a	1,652	2,205	

Indoor unit				FAA	71B	100B	100B
Dimensions	Unit	HeightxWidthxDepth		mm	290x1,050x269	340x1,200x262	
Weight	Unit			kg	14.0	18	
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min	12.1/13.4/16.2	18.7/21.1/23.0	
		Heating	Low/Medium/High	m^3/min	12.7/14.2/16.9	18.7/20.9/23.0	
Sound power level	Cooling			dBA	61.0	65.0	
	Heating			dBA	61.0	65.0	
Sound pressure level	Cooling	Low/Medium/High		dBA	40.0/42.0/45.0	41.0/45.0/49.0	
	Heating	Low/Medium/High		dBA	40.0/42.0/45.0	41.0/45.0/49.0	
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240		

Outdoor unit					ARXM71R	AZAS100MV1	AZAS100MY1
Dimensions	Unit	HeightxWidthxDepth		mm	954x401x820	990x940x320	
Weight	Unit			kg	49.0	70	
Sound power level	Cooling			dBA	-	70	
Sound pressure level	Cooling	Nom.		dBA	52.0	53	
	Heating	Nom.		dBA	52.0	57	
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10 ~ 50	-5~46	
	Heating	Ambient	Min.~Max.	°CWB	-20 ~ 24	-15~15.5	
Refrigerant	Type/GWP				1.15/-	R-32/675	
	Charge			kg/TCO2Eq	0.780/-	2.60/1.76	
Piping connections	Liquid/Gas OD			mm	9.52/15.9	9.52/15.9	
	Piping length	OU - IU	Max.		-	30	
		System	Equivalent		-	50	
			Chargeless		-	30	
	Additional refrigerant charge				-	See installation manual	
	Level difference IU - OU		Max.		-	30.0	
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240	1~/50/220-240	3~/50/380-415
Current - 50Hz	Maximum fuse amps (MFA)			A	-	25	16

Contains fluorinated greenhouse gases

perfera

Sky Air Alpha-series BLUEVOLUTION

Wall mounted unit

Attractive, wall mounted design with perfect indoor air quality

- Combination with Sky Air Alpha-series ensures best in class quality, highest efficiency and performance
- Seasonal efficiency values up to A+++ in cooling and heating
- Practically inaudible: the unit runs so quietly, you will almost forget it is there
- Cleaner air thanks to Daikin's Flash Streamer technology: you can breathe deep with no worries about impure air
- 2-area motion detection sensor: air flow is sent to a zone other than where the person is located at that moment; if no people are detected, the unit will automatically switch over to the energy-efficient setting. (larger capacity area)
- Onecta app: control your indoor from any location with an app, via your local network or internet
- Sleek, unobtrusive air conditioning unit that matches European sensibilities regarding interior design
- 3-D air flow combines vertical and horizontal auto swing to circulate a stream of warm or cool air right to the corners of even large spaces

FTXM-R

RZAG25-60A

ARC466A33

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

FTXM-R

RZAG-A

Efficiency data				FTXM + RZAG	35R + 35A	50R + 50A	60R + 60A
Cooling capacity	Min./Nom./Max.			kW	1.6/3.5/5.0	1.7/5.0/6.0	1.7/6.0/6.8
Heating capacity	Min./Nom./Max.			kW	1.40/4.00/5.30	1.50/6.00/6.50	1.60/7.00/7.50
Space cooling	Energy efficiency class				A++		
	Capacity		Pdesign	kW	3.50	5.00	6.00
	SEER				7.70	7.41	6.90
	Annual energy consumption			kWh/a	159	236	304
Space heating (Average climate)	Energy efficiency class				A++		A+
	Capacity		Pdesign	kW	2.60	4.50	4.60
	SCOP/A				4.60		4.35
	Annual energy consumption			kWh/a	790	1,369	1,480

Indoor unit				FTXM	35R	50R	60R
Dimensions	Unit	HeightxWidthxDepth		mm	295x778x272	299x998x292	
Weight	Unit			kg	10.0	14.5	
Air filter	Type				Removable/washable		
Fan	Air flow rate	Cooling	Silent operation/ Low/Medium/High	m^3/min	4.2/6.0/7.8/11.3	8.3/11.4/14/15.8	9.1/11.8/14/16.7
		Heating	Silent operation/ Low/Medium/High	m^3/min	4.9/6.5/8.5/9.8	10.5/12.0/14.2/15.8	11.1/12.4/15.2/16.5
Sound power level	Cooling			dBA	58	58.0	60.0
	Heating			dBA	54	58.0	59.0
Sound pressure level	Cooling	Silent operation/Low/High		dBA	19/29/45	27.0/36.0/44.0	30.0/37.0/46.0
	Heating	Silent operation/Low/High		dBA	20/28/39	31.0/34.0/43.0	33.0/36.0/45.0
Control systems	Infrared remote control				ARC466A67		
	Wired remote control				BRC073A1		

Outdoor unit				RZAG	35A	50A	60A
Dimensions	Unit	HeightxWidthxDepth		mm	734x870x373		
Weight	Unit			kg	52		
Sound power level	Cooling			dBA	62.0	63.0	64.0
	Heating			dBA	62.0	63.0	64.0
Sound pressure level	Cooling	Nom.		dBA	48.0	49.0	50.0
	Heating	Nom.		dBA	48.0	49.0	50.0
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-20~52		
	Heating	Ambient	Min.~Max.	°CWB	-20~24		
Refrigerant	Type/GWP				R-32/675.0		
	Charge			kg/TCO2Eq	1.55/1.05		
Piping connections		OD		mm	6.35/9.52	6.35/12.7	
	Piping length	OU - IU	Max.	m	50		
		System	Chargeless	m	30		
	Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 30m)		
	Level difference	IU - OU	Max.	m	30.0		
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240		

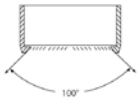
Contains fluorinated greenhouse gases

SkyAir Alpha-series BLUEVOLUTION

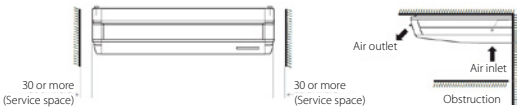
Ceiling suspended unit

For wide rooms with no false ceilings nor free floor space

› Combination with Sky Air Advance-series ensures good value for money for all types of commercial applications
› 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



› Reduced energy consumption thanks to specially developed DC fan motor
› 5 different fan speeds available for maximum comfort

FHA60-71A9

RZAG25-60A

BRC1H52W, BRP069C81

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

FHA-A(9)

RZAG-A

RZAG-NV1

RZAG-NY1

Efficiency data		FHA + RZAG	35A9 + 35A	50A9 + 50A	60A9 + 60A	71A9 + 71NV1	100A + 100NV1	125A + 125NV1	140A + 140NV1	71A9 + 71NY1	100A + 100NY1	125A + 125NY1	140A + 140NY1
Cooling capacity	Min./Nom./Max.	kW	1.70/3.50/4.50	1.70/5.00/6.00	1.90/6.00/6.80	-/6.80/-	-/9.50/-	-/12.1/-	-/13.4/-	-/6.80/-	-/9.50/-	-/12.1/-	-/13.4/-
Heating capacity	Min./Nom./Max.	kW	1.40/4.00/5.50	1.70/5.80/6.50	1.70/7.00/7.50	-/7.50/-	-/10.8/-	-/13.5/-	-/15.5/-	-/7.50/-	-/10.8/-	-/13.5/-	-/15.5/-
Space cooling	Energy efficiency class		A++					-		A++		-	
	Capacity Pdesign	kW	3.50	5.00	6.00	6.80	9.50	12.1	13.4	6.80	9.50	12.1	13.4
	SEER		6.40	6.80	6.60	7.11	6.42	7.14	6.42	7.11	6.42	7.14	6.42
	ηs,c	%	-					283	254	-		283	254
	Annual energy consumption	kWh/a	191	257	318	335	518	1,017	1,253	335	518	1,017	1,253
Space heating (Average climate)	Energy efficiency class		A+				A++	-		A+	A++	-	
	Capacity Pdesign	kW	3.10	4.00	4.60	4.70	7.80	9.52		4.70	7.80	9.52	
	SCOP/A		4.10	4.30	4.20	4.32	4.61	4.20	4.30	4.32	4.61	4.20	4.30
	ηs,h	%	-					165	169	-		165	169
	Annual energy consumption	kWh/a	1,058	1,302	1,633	1,523	2,369	3,174	3,100	1,523	2,369	3,174	3,100

Indoor unit				FHA	35A9	50A9	60A9	71A9	100A	125A	140A	71A9	100A	125A	140A
Dimensions	Unit	HeightxWidthxDepth	mm		235x960x690		235x1,270x690		235x1,590x690			235x1,270x690	235x1,590x690		
Weight	Unit		kg		26.0	27.0	32.0	34.0	41.0			34.0	41.0		
Air filter	Type				Resinnet										
Fan	Air flow rate	Cooling	Low/Medium/High	m³/min	10.0/11.5/14.0	10.0/12.0/15.0	11.5/15.0/19.5	14.0/17.0/20.5	20.0/24.0/28.0	23.0/27.0/31.0	24.0/29.0/34.0	14.0/17.0/20.5	20.0/24.0/28.0	23.0/27.0/31.0	24.0/29.0/34.0
		Heating	Low/Medium/High	m³/min	10.0/11.5/14.0	10.0/12.0/15.0	11.5/15.0/19.5	14.0/17.0/20.5	20.0/24.0/28.0	23.0/27.0/31.0	24.0/29.0/34.0	14.0/17.0/20.5	20.0/24.0/28.0	23.0/27.0/31.0	24.0/29.0/34.0
Sound power level	Cooling			dBA	53	54		55	60	62	64	55	60	62	64
Sound pressure level	Cooling	Low/Medium/High		dBA	31/34/36	32/35/37	33/35/37	34/36/38	34/38/42	37/41/44	38/42/46	34/36/38	34/38/42	37/41/44	38/42/46
	Heating	Medium/Nom./High		dBA	31/34/36	32/35/37	33/35/37	34/36/38	34/38/42	37/41/44	38/42/46	34/36/38	34/38/42	37/41/44	38/42/46
Control systems	Infrared remote control				BRC7GA53 / BRC7GA56										
	Wired remote control				BRC1E53A7 / BRC1E53B7 / BRC1E53C7 / BRC1D528 / BRC1E51A7										
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240										

Outdoor unit				RZAG	35A	50A	60A	71NV1	100NV1	125NV1	140NV1	71NY1	100NY1	125NY1	140NY1
Dimensions	Unit	HeightxWidthxDepth		mm	734x870x373			870x1,100x460							
Weight	Unit			kg	52			81	85	95		81	85	94	
Sound power level	Cooling			dBA	62.0	63.0	64.0	64	66	69	70	64	66	69	70
	Heating			dBA	62.0	63.0	64.0	-		68	71	-		68	71
Sound pressure level	Cooling	Nom.		dBA	48.0	49.0	50.0	46	47	49	50	46	47	49	50
	Heating	Nom.		dBA	48.0	49.0	50.0	48	50	52		48	50	52	
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-20 ~ 52			-20 ~52							
	Heating	Ambient	Min.~Max.	°CWB	-20 ~ 24			-20 ~18							
Refrigerant	Type/GWP				R-32/675.0			R-32/675							
	Charge			kg/TCO2Eq	1.55/1.05			3.20/2.16		3.70/2.50		3.20/2.16		3.70/2.50	
Piping connections	Liquid/Gas OD			mm	6.35/9.50	6.35/12.7		9.52/15.9							
	Piping length	OU - IU	Max.	m	50			55	85			55	85		
		System	Equivalent	m	-			75	100			75	100		
			Chargeless	m	30			40							
	Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 30m)			See installation manual							
	Level difference	IU - OU	Max.	m	30.0			30							
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240							3~/50/380-415			
Current - 50Hz	Maximum fuse amps (MFA)			A	-			20	32			16			

Contains fluorinated greenhouse gases

Sky Air Advance-series
BLUEVOLUTION

Ceiling suspended unit

For wide rooms with no false ceilings nor free floor space

- Combination with Sky Air Advance-series ensures good value for money for all types of commercial applications
- 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
- 5 different fan speeds available for maximum comfort
- 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

FHA60-71A9

RZASG100-140MV1_MY1

BRC1H52W BRP069C81

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

FHA-A(9) RZASG-MV1 RZASG-MY1

Efficiency data				FHA + RZASG	71A9 + 71MV1	100A + 100MV1	125A + 125MV1	140A + 140MV1	100A + 100MY1	125A + 125MY1	140A + 140MY1
Cooling capacity	Nom.			kW	6.80	9.50	12.1	13.4	9.50	12.1	13.4
Heating capacity	Nom.			kW	7.50	10.8	13.5	15.5	10.8	13.5	15.5
Space cooling	Energy efficiency class				A+		-		A+	-	
	Capacity		Pdesign	kW	6.80	9.50	12.1	13.4	9.50	12.1	13.4
	SEER				5.95	5.83		5.88	5.83		5.88
	ηs,c			%	-		230	232	-	230	232
	Annual energy consumption			kWh/a	400	570	1,246	1,368	570	1,246	1,368
Space heating (Average climate)	Energy efficiency class				A		-		A	-	
	Capacity		Pdesign	kW	4.50	6.00		7.80	6.00		7.80
	SCOP/A				3.90	3.91	3.83	3.81	3.91	3.83	3.81
	ηs,h			%	-		150	149	-	150	149
	Annual energy consumption			kWh/a	1,616	2,148	2,193	2,866	2,148	2,193	2,866

Indoor unit				FHA	71A9	100A	125A	140A	100A	125A	140A
Dimensions	Unit	HeightxWidthxDepth		mm	235x1,270x690	235x1,590x690					
Weight	Unit			kg	34.0	41.0					
Air filter	Type				Resin net						
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min	14.0/17.0/20.5	20.0/24.0/28.0	23.0/27.0/31.0	24.0/29.0/34.0	20.0/24.0/28.0	23.0/27.0/31.0	24.0/29.0/34.0
		Heating	Low/Medium/High	m^3/min	14.0/17.0/20.5	20.0/24.0/28.0	23.0/27.0/31.0	24.0/29.0/34.0	20.0/24.0/28.0	23.0/27.0/31.0	24.0/29.0/34.0
Sound power level	Cooling			dBA	55	60	62	64	60	62	64
Sound pressure level	Cooling	Low/Medium/High		dBA	34/36/38	34/38/42	37/41/44	38/42/46	34/38/42	37/41/44	38/42/46
	Heating	Medium/Nom./High		dBA	34/36/38	34/38/42	37/41/44	38/42/46	34/38/42	37/41/44	38/42/46
Control systems	Infrared remote control				BRC7GA53 / BRC7GA56						
	Wired remote control				BRC1E53A7 / BRC1E53B7 / BRC1E53C7 / BRC1D528 / BRC1E51A7						
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240						

Outdoor unit				RZASG	71MV1	100MV1	125MV1	140MV1	100MY1	125MY1	140MY1
Dimensions	Unit	HeightxWidthxDepth		mm	770x900x320	990x940x320					
Weight	Unit			kg	60	70		78	70		77
Sound power level	Cooling			dBA	65	70	71	73	70	71	73
	Heating			dBA	-		71	73	-	71	73
Sound pressure level	Cooling	Nom.		dBA	46	53		54	53		54
	Heating	Nom.		dBA	47	57					
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-15~46						
	Heating	Ambient	Min.~Max.	°CWB	-15~15.5						
Refrigerant	Type/GWP				R-32/675						
	Charge			kg/TCO2Eq	2.45/1.65	2.60/1.76		2.90/1.96	2.60/1.76		2.90/1.96
Piping connections	Liquid/Gas	OD		mm	9.52/15.9						
	Piping length	OU - IU	Max.	m	50						
		System	Equivalent	m	70						
			Chargeless	m	30						
	Additional refrigerant charge			kg/m	See installation manual						
	Level difference IU - OU		Max.	m	30.0						
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240				3~/50/380-415		
Current - 50Hz	Maximum fuse amps (MFA)			A	20	25		32	16		

Contains fluorinated greenhouse gases

Ceiling suspended unit

For wide rooms with no false ceilings nor free floor space

- Combination with split outdoor units is ideal for small retail, offices and residential applications
- 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
- 5 different fan speeds available for maximum comfort
- 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

FHA100-140A9

RXM-R9

BRC1H52W BRP069C81

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

FHA-A(9) RXM-R RXM-R9

Efficiency data				FHA + RXM	35A9 + 35R9	50A9 + 50R	60A9 + 60R
Cooling capacity	Nom.			kW	3.40	5.00	5.70
Heating capacity	Nom.			kW	4.00	6.00	7.20
Space cooling	Energy efficiency class				A++	A+	
	Capacity		Pdesign	kW	3.40	5.00	5.70
	SEER				6.24	5.92	6.08
	Annual energy consumption			kWh/a	191	295	328
Space heating (Average climate)	Energy efficiency class				A+	A	
	Capacity		Pdesign	kW	3.10	4.35	4.71
	SCOP/A				4.43	3.86	3.87
	Annual energy consumption			kWh/a	979	1,577	1,704

Indoor unit				FHA	35A9	50A9	60A9
Dimensions	Unit	HeightxWidthxDepth		mm	235x960x690		235x1,270x690
Weight	Unit			kg	26.0	27.0	32.0
Air filter	Type				Resin net		
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min	10.0/11.5/14.0	10.0/12.0/15.0	11.5/15.0/19.5
		Heating	Low/Medium/High	m^3/min	10.0/11.5/14.0	10.0/12.0/15.0	11.5/15.0/19.5
Sound power level	Cooling			dBA	53	54	
Sound pressure level	Cooling	Low/Medium/High		dBA	31/34/36	32/35/37	33/35/37
	Heating	Medium/Nom./High		dBA	31/34/36	32/35/37	33/35/37
Control systems	Infrared remote control				BRC7GA53 / BRC7GA56		
	Wired remote control				BRC1E53A7 / BRC1E53B7 / BRC1E53C7 / BRC1D528 / BRC1E51A7		
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240		

Outdoor unit				RXM	35R9	50R	60R
Dimensions	Unit	HeightxWidthxDepth		mm	552x840x350	734x954x401	
Weight	Unit			kg	32	49.0	
Sound power level	Cooling			dBA	61	62	63
	Heating			dBA	61	62	63
Sound pressure level	Cooling	Nom.		dBA	49.0	48.0	
	Heating	Nom.		dBA	49.0		
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~50/46		
	Heating	Ambient	Min.~Max.	°CWB	-20~24		
Refrigerant	Type				R-32		
	GWP				675	675.0	
	Charge			kg/TCO2Eq	0.76/0.52	1.15/0.780	
Piping connections	Liquid	OD		mm	6.35	6.35	
	Gas	OD		mm	9.52	12.7	
	Piping length	OU - IU	Max.	m	20	30	
		System	Chargeless	m	10		
	Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 10m)		
	Level difference IU - OU		Max.	m	15	20.0	
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240		
Current - 50Hz	Maximum fuse amps (MFA)			A	13	16	

Contains fluorinated greenhouse gases

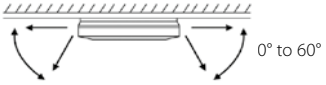
Sky Air Alpha-series BLUEVOLUTION

4-way blow ceiling suspended unit

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

- Combination with Sky Air Advance-series ensures good value for money for all types of commercial applications
- 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
- Unified indoor unit range for R-32 and R-410A
- Individual flap control: flexibility to suit every room layout without changing the location of the unit!

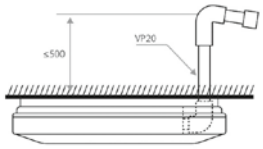
- 5 different discharge angles between 0 and 60°can be programmed via the remote control



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

FUA-A RZAG-NV1 RZAG-NY1

- Stylish modern casing finished in pure white (RAL9010) and iron grey (RAL7011) blends easily with any interior
- Optimum comfort guaranteed with automatic air flow adjustment to the required load
- Standard drain pump with 720mm lift increases flexibility and installation speed



Efficiency data				FUA + RZAG	71A + 71NV1	100A + 100NV1	125A + 125NV1	71A + 71NY1	100A + 100NY1	125A + 125NY1
Cooling capacity	Nom.			kW	6.80	9.50	12.1	6.80	9.50	12.1
Heating capacity	Nom.			kW	7.50	10.8	13.5	7.50	10.8	13.5
Space cooling	Energy efficiency class				A++		-	A++		-
	Capacity Pdesign			kW	6.80	9.50	12.1	6.80	9.50	12.1
	SEER				7.02	6.42	6.39	7.02	6.42	6.39
	ηs,c			%	-		253	-		253
	Annual energy consumption			kWh/a	339	518	1,136	339	518	1,136
Space heating (Average climate)	Energy efficiency class				A+		-	A+		-
	Capacity Pdesign			kW	4.70	7.80	9.52	4.70	7.80	9.52
	SCOP/A				4.20	4.50	4.26	4.20	4.50	4.26
	ηs,h			%	-		167	-		167
	Annual energy consumption			kWh/a	1,567	2,427	3,129	1,567	2,427	3,129

Indoor unit				FUA	71A	100A	125A	71A	100A	125A
Dimensions	Unit	HeightxWidthxDepth		mm	198x950x950					
Weight	Unit			kg	25.0	26.0		25.0	26.0	
Air filter	Type				Resin net					
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min	16.0/19.5/23.0	20.0/25.5/31.0	20.5/26.5/32.5	16.0/19.5/23.0	20.0/25.5/31.0	20.5/26.5/32.5
		Heating	Low/Medium/High	m^3/min	16.0/19.5/23.0	20.0/25.5/31.0	20.5/26.5/32.5	16.0/19.5/23.0	20.0/25.5/31.0	20.5/26.5/32.5
Sound power level	Cooling			dBA	-		65	-		65
Sound pressure level	Cooling	Low/Medium/High		dBA	35/38/41	39/42/46	40/43/47	35/38/41	39/42/46	40/43/47
	Heating	Low/Medium/High		dBA	35/38/41	39/42/46	40/43/47	35/38/41	39/42/46	40/43/47
Control systems	Infrared remote control				BRC7C58					
	Wired remote control				BRC1H52W/S/K / BRC1E53A/B/C / BRC1D52					
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220~240					

Outdoor unit				RZAG	71NV1	100NV1	125NV1	71NY1	100NY1	125NY1
Dimensions	Unit	HeightxWidthxDepth		mm	870x1,100x460					
Weight	Unit			kg	81	85	95	81	85	94
Sound power level	Cooling			dBA	64	66	69	64	66	69
	Heating			dBA	-		68	-		68
Sound pressure level	Cooling	Nom.		dBA	46	47	49	46	47	49
	Heating	Nom.		dBA	48	50	52	48	50	52
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-20 ~52					
	Heating	Ambient	Min.~Max.	°CWB	-20 ~18					
Refrigerant	Type/GWP				R-32/675					
	Charge			kg/TCO2Eq	3.20/2.16		3.70/2.50	3.20/2.16		3.70/2.50
Piping connections	Liquid/Gas OD			mm	9.52/15.9					
	Piping length	OU - IU	Max.	m	55	85		55	85	
		System	Equivalent	m	75	100		75	100	
			Chargeless	m	40					
	Additional refrigerant charge			kg/m	See installation manual					
	Level difference	IU - OU	Max.	m	30					
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240			3~/50/380-415		
Current - 50Hz	Maximum fuse amps (MFA)			A	20	32		16		

Contains fluorinated greenhouse gases

Sky Air Advance-series
BLUEVOLUTION

4-way blow ceiling suspended unit

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

- Combination with Sky Air Advance-series ensures good value for money for all types of commercial applications
- 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!
- 5 different discharge angles between 0 and 60°can be programmed via the remote control
- Stylish modern casing finished in pure white (RAL9010) and iron grey (RAL7011) blends easily with any interior
- Optimum comfort guaranteed with automatic air flow adjustment to the required load
- 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.

FUA-A RZASG-MV1 RZASG-MY1

Efficiency data				FUA + RZASG	71A + 71MV1	100A + 100MV1	125A + 125MV1	100A + 100MY1	125A + 125MY1
Cooling capacity	Nom.			kW	6.80	9.50	12.1	9.50	12.1
Heating capacity	Nom.			kW	7.50	10.8	13.5	10.8	13.5
Space cooling	Energy efficiency class				A++	A+	-	A+	-
	Capacity		Pdesign	kW	6.80	9.50	12.1	9.50	12.1
	SEER				6.16	5.83	5.49	5.83	5.49
	ηs,c			%	-		217	-	217
	Annual energy consumption			kWh/a	386	570	1,322	570	1,322
Space heating (Average climate)	Energy efficiency class				A	A+	-	A+	-
	Capacity		Pdesign	kW	4.50	6.00			
	SCOP/A				3.90	4.01	3.84	4.01	3.84
	ηs,h			%	-		151	-	151
	Annual energy consumption			kWh/a	1,615	2,095	2,188	2,095	2,188

Indoor unit				FUA	71A	100A	125A	100A	125A
Dimensions	Unit	HeightxWidthxDepth		mm	198x950x950				
Weight	Unit			kg	25.0	26.0			
Air filter	Type				Resin net				
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min	16.0/19.5/23.0	20.0/25.5/31.0	20.5/26.5/32.5	20.0/25.5/31.0	20.5/26.5/32.5
		Heating	Low/Medium/High	m^3/min	16.0/19.5/23.0	20.0/25.5/31.0	20.5/26.5/32.5	20.0/25.5/31.0	20.5/26.5/32.5
Sound power level	Cooling			dBA	-		65	-	65
Sound pressure level	Cooling	Low/Medium/High		dBA	35/38/41	39/42/46	40/43/47	39/42/46	40/43/47
	Heating	Low/Medium/High		dBA	35/38/41	39/42/46	40/43/47	39/42/46	40/43/47
Control systems	Infrered remote control				BRC7C58				
	Wired remote control				BRC1H52W/S/K / BRC1E53A/B/C / BRC1D52				
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240				

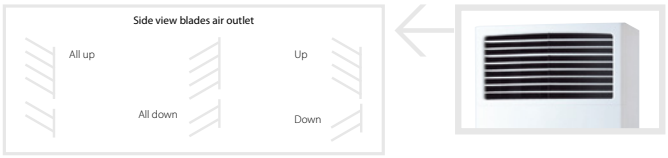
Outdoor unit				RZASG	71MV1	100MV1	125MV1	100MY1	125MY1
Dimensions	Unit	HeightxWidthxDepth		mm	770x900x320	990x940x320			
Weight	Unit			kg	60	70			
Sound power level	Cooling			dBA	65	70	71	70	71
	Heating			dBA	-		71	-	71
Sound pressure level	Cooling	Nom.		dBA	46	53			
	Heating	Nom.		dBA	47	57			
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-15~46				
	Heating	Ambient	Min.~Max.	°CWB	-15~15.5				
Refrigerant	Type/GWP				R-32/675				
	Charge			kg/TCO2Eq	2.45/1.65	2.60/1.76			
Piping connections	Liquid/Gas	OD		mm	9.52/15.9				
	Piping length	OU - IU	Max.	m	50				
		System	Equivalent	m	70				
			Chargeless	m	30				
	Additional refrigerant charge			kg/m	See installation manual				
	Level difference	IU - OU	Max.	m	30.0				
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240			3~/50/380-415	
Current - 50Hz	Maximum fuse amps (MFA)			A	20	25	32	16	

Contains fluorinated greenhouse gases

Floor standing unit

For commercial spaces with high ceilings

- Combination with Sky Air Alpha-series ensures best in class quality, highest efficiency and performance
- Decrease of temperature variation by automatic fan speed selection or freely selectable 3-step fan speed.
- Improved comfort as a result of better airflow distribution from the vertical out blow which allows manual adjustment of air outlet blades at the top of the unit.
- Selectable horizontal out blow to better suit the layout of the room (via wired remote controller BRC1E*/BRC1H*)



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

FVA-A RZAG-NV1 RZAG-NY1

Efficiency data				FVA + RZAG	71A + 71NV1	100A + 100NV1	125A + 125NV1	140A + 140NV1	71A + 71NY1	100A + 100NY1	125A + 125NY1	140A + 140NY1
Cooling capacity	Nom.			kW	6.80	9.50	12.1	13.4	6.80	9.50	12.1	13.4
Heating capacity	Nom.			kW	7.50	10.8	13.5	15.5	7.50	10.8	13.5	15.5
Space cooling	Energy efficiency class				A++		-		A++		-	
	Capacity	Pdesign		kW	6.80	9.50	12.1	13.4	6.80	9.50	12.1	13.4
	SEER				6.34	6.40	6.41	6.12	6.34	6.40	6.41	6.12
	ηs,c			%	-		253	242	-		253	242
	Annual energy consumption			kWh/a	376	520	1,133	1,314	376	520	1,133	1,314
Space heating (Average climate)	Energy efficiency class				A+		-		A+		-	
	Capacity	Pdesign		kW	4.70	7.80	9.52		4.70	7.80	9.52	
	SCOP/A				4.05	4.20	4.15	3.94	4.05	4.20	4.15	3.94
	ηs,h			%	-		163	155	-		163	155
	Annual energy consumption			kWh/a	1,625	2,600	3,209	3,383	1,625	2,600	3,209	3,383

Indoor unit				FVA	71A	100A	125A	140A	71A	100A	125A	140A
Dimensions	Unit	HeightxWidthxDepth		mm	1,850x600x270	1,850x600x350			1,850x600x270	1,850x600x350		
Weight	Unit			kg	42	50			42	50		
Air filter	Type				Resinnet							
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min	14/16/18	22/25/28	24/26/28	26/28/30	14/16/18	22/25/28	24/26/28	26/28/30
		Heating	Low/Medium/High	m^3/min	14/16/18	22/25/28	24/26/28	26/28/30	14/16/18	22/25/28	24/26/28	26/28/30
Sound power level	Cooling			dBA	55	62	63	65	55	62	63	65
Sound pressure level	Cooling	Low/Medium/High		dBA	38/41/43	44/47/50	46/48/51	48/51/53	38/41/43	44/47/50	46/48/51	48/51/53
	Heating	Medium/Nom./High		dBA	38/41/43	44/47/50	46/48/51	48/51/53	38/41/43	44/47/50	46/48/51	48/51/53
Control systems	Wired remote control				BRC1H52W/S/K / BRC1E53A / BRC1E53B / BRC1E53C / BRC1D52							
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220							

Outdoor unit				RZAG	71NV1	100NV1	125NV1	140NV1	71NY1	100NY1	125NY1	140NY1
Dimensions	Unit	HeightxWidthxDepth		mm	870x1,100x460							
Weight	Unit			kg	81	85	95		81	85	94	
Sound power level	Cooling			dBA	64	66	69	70	64	66	69	70
	Heating			dBA	-		68	71	-		68	71
Sound pressure level	Cooling	Nom.		dBA	46	47	49	50	46	47	49	50
	Heating	Nom.		dBA	48	50	52		48	50	52	
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-20 ~52							
	Heating	Ambient	Min.~Max.	°CWB	-20 ~18							
Refrigerant	Type/GWP				R-32/675							
	Charge			kg/TCO2Eq	3.20/2.16		3.70/2.50		3.20/2.16		3.70/2.50	
Piping connections	Liquid/Gas	OD		mm	9.52/15.9							
	Piping length	OU - IU	Max.	m	55	85			55	85		
		System	Equivalent	m	75	100			75	100		
			Chargeless	m	40							
	Additional refrigerant charge			kg/m	See installation manual							
	Level difference	IU - OU	Max.	m	30							
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240				3~/50/380-415			
Current - 50Hz	Maximum fuse amps (MFA)			A	20	32			16			

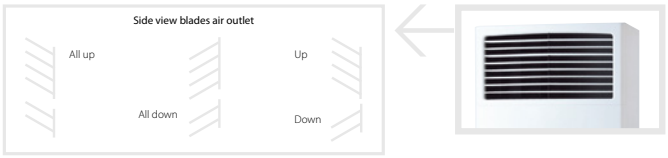
Contains fluorinated greenhouse gases

Sky Air Advance-series BLUEVOLUTION

Floor standing unit

For commercial spaces with high ceilings

- Combination with Sky Air Advance-series ensures good value for money for all types of commercial applications
- Decrease of temperature variation by automatic fan speed selection or freely selectable 3-step fan speed.
- Improved comfort as a result of better airflow distribution from the vertical out blow which allows manual adjustment of air outlet blades at the top of the unit.
- Selectable horizontal out blow to better suit the layout of the room (via wired remote controller BRC1E*/BRC1H*)



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

FVA-A RZASG-MV1 RZASG-MY1

Efficiency data			FVA + RZASG	71A + 71MV1	100A + 100MV1	125A + 125MV1	140A + 140MV1	100A + 100MY1	125A + 125MY1	140A + 140MY1
Cooling capacity	Nom.		kW	6.80	9.50	12.1	13.4	9.50	12.1	13.4
Heating capacity	Nom.		kW	7.50	10.8	13.5	15.5	10.8	13.5	15.5
Space cooling	Energy efficiency class			A+		-		A+	-	
	Capacity	Pdesign	kW	6.80	9.50	12.1	13.4	9.50	12.1	13.4
	SEER			5.83	5.72	5.52	5.63	5.72	5.52	5.63
	ηs,c		%	-		218	222	-	218	222
	Annual energy consumption		kWh/a	408	581	1,314	1,428	581	1,314	1,428
Space heating (Average climate)	Energy efficiency class			A+	A	-		A	-	
	Capacity	Pdesign	kW	4.50	6.00		7.80	6.00		7.80
	SCOP/A			4.04	3.83	3.64	3.81	3.83	3.64	3.81
	ηs,h		%	-		143	149	-	143	149
	Annual energy consumption		kWh/a	1,559	2,193	2,308	2,866	2,193	2,308	2,866

Indoor unit				FVA	71A	100A	125A	140A	100A	125A	140A
Dimensions	Unit	HeightxWidthxDepth	mm	1,850x600x270	1,850x600x350						
Weight	Unit		kg	42	50						
Air filter	Type			Resin net							
Fan	Air flow rate	Cooling Low/Medium/High	m^3/min	14/16/18	22/25/28	24/26/28	26/28/30	22/25/28	24/26/28	26/28/30
		Heating Low/Medium/High	m^3/min	14/16/18	22/25/28	24/26/28	26/28/30	22/25/28	24/26/28	26/28/30
Sound power level	Cooling		dBA	55	62	63	65	62	63	65
Sound pressure level	Cooling	Low/Medium/High	dBA	38/41/43	44/47/50	46/48/51	48/51/53	44/47/50	46/48/51	48/51/53
	Heating	Medium/Nom./High	dBA	38/41/43	44/47/50	46/48/51	48/51/53	44/47/50	46/48/51	48/51/53
Control systems	Wired remote control			BRC1H52W/S/K / BRC1E53A / BRC1E53B / BRC1E53C / BRC1D52						
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/60/220-240/220						

Outdoor unit				RZASG	71MV1	100MV1	125MV1	140MV1	100MY1	125MY1	140MY1
Dimensions	Unit	HeightxWidthxDepth	mm	770x900x320	990x940x320						
Weight	Unit		kg	60	70			78	70		77
Sound power level	Cooling		dBA	65	70		71	73	70	71	73
	Heating		dBA	-			71	73	-	71	73
Sound pressure level	Cooling	Nom.	dBA	46	53			54	53		54
	Heating	Nom.	dBA	47	57						
Operation range	Cooling	Ambient Min.~Max.	°CDB	-15~46							
	Heating	Ambient Min.~Max.	°CWB	-15~15.5							
Refrigerant	Type/GWP			R-32/675							
	Charge		kg/TCO2Eq	2.45/1.65	2.60/1.76			2.90/1.96	2.60/1.76		2.90/1.96
Piping connections	Liquid/Gas	OD	mm	9.52/15.9							
	Piping length	OU - IU Max.	m	50							
		System Equivalent	m	70							
		Chargeless	m	30							
	Additional refrigerant charge		kg/m	See installation manual							
	Level difference	IU - OU Max.	m	30.0							
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/220-240					3~/50/380-415		
Current - 50Hz	Maximum fuse amps (MFA)		A	20	25		32		16		

Contains fluorinated greenhouse gases

Sky Air Alpha-series BLUEVOLUTION

Concealed floor standing unit

Designed to be concealed in walls

- Combination with Sky Air Alpha-series ensures best in class quality, highest efficiency and performance
- Discretely concealed in the wall: only the suction and discharge grilles are visible
- Requires very little installation space as the depth is only 200mm
- Its low height (620 mm) enables the unit to fit perfectly beneath a window
- High ESP allows flexible installation

FNA-A9

RZAG25-60A

BRC1H52W BRP069C81

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

FNA-A9 RZAG-A

Efficiency data				**FNA + RZAG**	**35A9 + 35A**	**50A9 + 50A**	**60A9 + 60A**
Cooling capacity	Min./Nom./Max.			kW	1.6/3.5/4.5	1.7/5.0/6.0	1.7/6.0/6.5
Heating capacity	Min./Nom./Max.			kW	1.40/4.00/5.00	1.70/5.00/6.00	1.70/7.00/7.50
Space cooling	Energy efficiency class					A+	
	Capacity		Pdesign	kW	3.50	5.00	6.00
	SEER				5.90		5.70
	Annual energy consumption			kWh/a	208	297	368
Space heating (Average climate)	Energy efficiency class					A	
	Capacity		Pdesign	kW	3.50	4.30	4.50
	SCOP/A					3.90	
	Annual energy consumption			kWh/a	1,255	1,542	1,616

Indoor unit				**FNA**	**35A9**	**50A9**	**60A9**
Dimensions	Unit	HeightxWidthxDepth		mm	620/720x790x200	620/720x1,190x200	
Weight	Unit			kg	23.0	30.0	
Air filter	Type				Resin net		
Fan	Air flow rate	Cooling	Low/High	m^3/min	7.3/8.7	13.5/16.0	
		Heating	Low/High	m^3/min	7.3/8.7	13.5/16.0	
	External static pressure	Nom./High		Pa	30/48	40/49	
Sound power level	Cooling			dBA	53.0	56.0	
Sound pressure level	Cooling	Low/Medium/High		dBA	28.0/31.0/33.0	30.0/33.0/36.0	
	Heating	Low/Nom./High		dBA	28.0/31.0/33.0	30.0/33.0/36.0	
Control systems	Infrared remote control				BRC4C65		
	Wired remote control				BRC1H52W/S/K / BRC1E53A / BRC1E53B / BRC1E53C / BRC1D52		
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220		

Outdoor unit				**RZAG**	**35A**	**50A**	**60A**
Dimensions	Unit	HeightxWidthxDepth		mm	734x870x373		
Weight	Unit			kg	52		
Sound power level	Cooling			dBA	62.0	63.0	64.0
	Heating			dBA	62.0	63.0	64.0
Sound pressure level	Cooling	Nom.		dBA	48.0	49.0	50.0
	Heating	Nom.		dBA	48.0	49.0	50.0
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-20~52		
	Heating	Ambient	Min.~Max.	°CWB	-20~24		
Refrigerant	Type/GWP				R-32/675.0		
	Charge			kg/TCO2Eq	1.55/1.05		
Piping connections	Liquid/Gas OD			mm	6.35/9.52	6.35/12.7	
	Piping length	OU - IU	Max.	m	50		
		System	Chargeless	m	30		
	Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 30m)		
	Level difference	IU - OU	Max.	m	30.0		
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240		

Contains fluorinated greenhouse gases

Concealed floor standing unit

Designed to be concealed in walls

- Combination with split outdoor units is ideal for small retail, offices and residential applications
- Discretely concealed in the wall: only the suction and discharge grilles are visible
- Requires very little installation space as the depth is only 200mm
- Its low height (620 mm) enables the unit to fit perfectly beneath a window
- High ESP allows flexible installation

FNA-A9

RXM-R

BRC1H52W BRP069C81

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

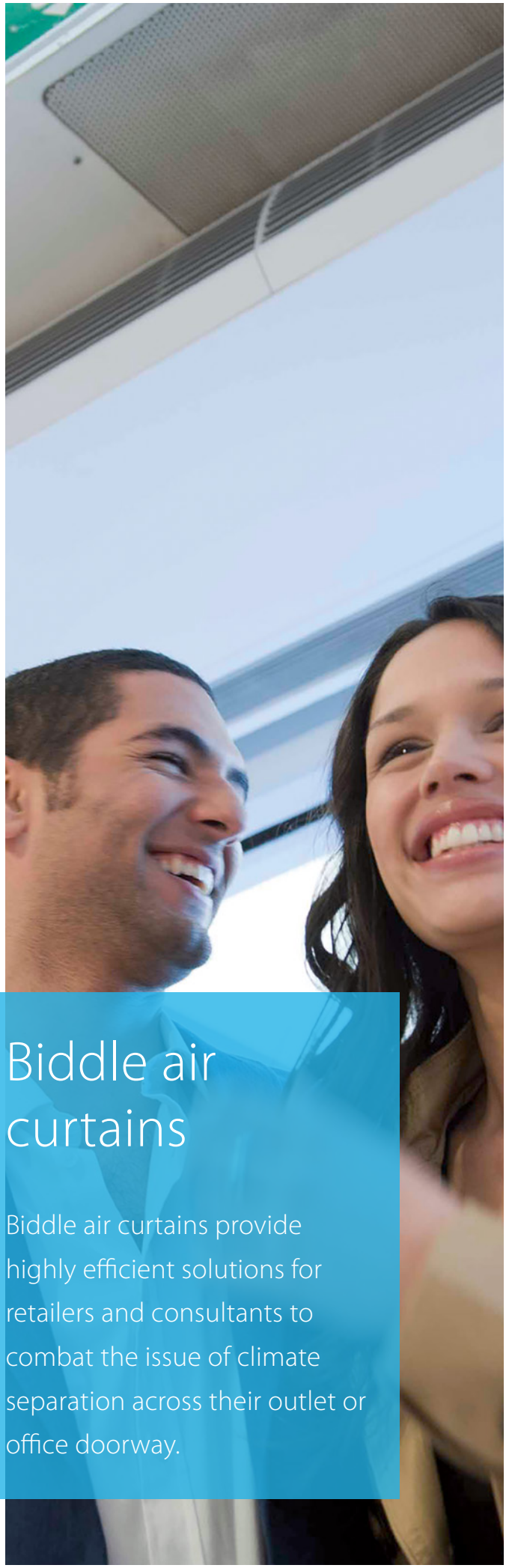
FNA-A9 RXM-R RXM-R9

Efficiency data				FNA + RXM	25A9 + 25R9	35A9 + 35R9	50A9 + 50R	60A9 + 60R
Cooling capacity	Nom.			kW	2.60	3.40	5.00	6.00
Heating capacity	Nom.			kW	3.20	4.00	5.80	7.00
Space cooling	Energy efficiency class					A+		A
	Capacity		Pdesign	kW	2.60	3.40	5.00	6.00
	SEER				5.68	5.70	5.77	5.56
	Annual energy consumption			kWh/a	160	209	303	378
Space heating (Average climate)	Energy efficiency class					A+		
	Capacity		Pdesign	kW	2.80	2.90	4.00	4.60
	SCOP/A				4.24	4.05	4.09	4.16
	Annual energy consumption			kWh/a	924	1,002	1,368	1,547

Indoor unit				FNA	25A9	35A9	50A9	60A9
Dimensions	Unit	HeightxWidthxDepth		mm	620 (1)/720x790x200		620 (1)/720x1,190x200	
Weight	Unit			kg	23.0		30.0	
Air filter	Type				Resin net			
Fan	Air flow rate	Cooling	Low/High	m^3/min	7.3/8.7		13.5/16.0	
		Heating	Low/High	m^3/min	7.3/8.7		13.5/16.0	
	External static pressure	Nom./High		Pa	30/48		40/49	
Sound power level	Cooling			dBA	53.0		56.0	
Sound pressure level	Cooling	Low/Medium/High		dBA	28.0/31.0/33.0		30.0/33.0/36.0	
	Heating	Low/Nom./High		dBA	28.0/31.0/33.0		30.0/33.0/36.0	
Control systems	Infrared remote control				BRC4C65			
	Wired remote control				BRC1H52W/S/K / BRC1E53A / BRC1E53B / BRC1E53C / BRC1D52			
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220			

Outdoor unit				RXM	25R9	35R9	50R	60R
Dimensions	Unit	HeightxWidthxDepth		mm	552x840x350		734x954x401	
Weight	Unit			kg	32		49.0	
Sound pressure level	Cooling	Nom.		dBA	46.0	49.0	48.0	
	Heating	Nom.		dBA	47.0	49.0		
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10 ~ 46			
	Heating	Ambient	Min.~Max.	°CWB	-15 ~ 24			
Refrigerant	Type				R-32			
	GWP				675		675.0	
	Charge			kg/TCO2Eq	0.76/0.52		1.15/0.780	
Piping connections	Liquid	OD		mm	6.35		6.35	
	Gas	OD		mm	9.52		12.7	
	Piping length	OU - IU	Max.	m	20		30	
		System	Chargeless	m	10			
	Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 10m)			
	Level difference IU - OU		Max.	m	15		20.0	
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240			
Current - 50Hz	Maximum fuse amps (MFA)			A	13		16	

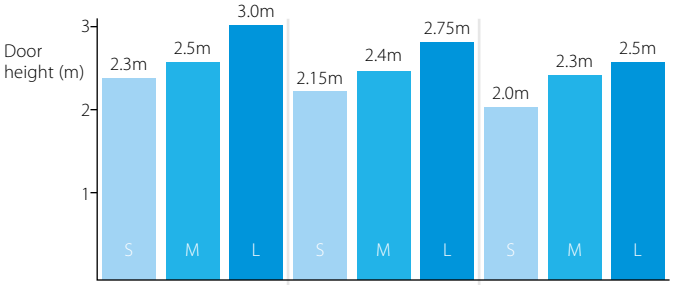
(1)Including installation legs | Contains fluorinated greenhouse gases



Biddle air curtains

Biddle air curtains provide highly efficient solutions for retailers and consultants to combat the issue of climate separation across their outlet or office doorway.

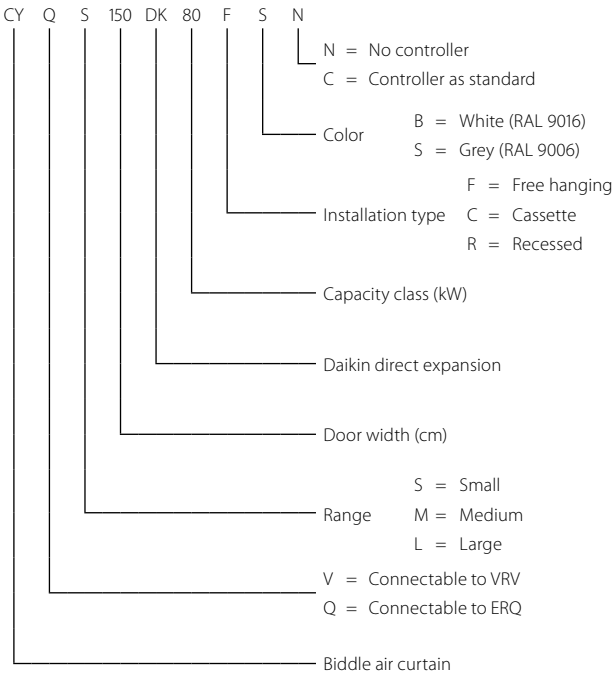
Biddle air curtain portfolio



Installation condition	Favourable	Normal	Unfavourable
	ex: covered shopping mall or revolving door entrance	ex: little direct wind, no opposite open doors, building with ground floor only	ex: location at a corner or square, multiple floors and / or open stairwell

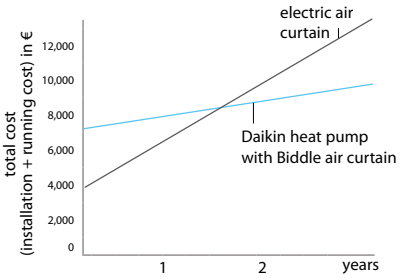
Type	Product name	Features	
Biddle standard air curtain free hanging	CYQ S/M/L-DK-F	- CYQ - Biddle air curtain for connection to ERQ - Connectable to ERQ heat pump - Cassette model (C): mounted into a false ceiling leaving only the decoration panel visible - Free-hanging model (F): easy wall mounted installation - Recessed model (R): neatly conceiled in the ceiling - A payback period of less than 1.5 years compared to installing an electric air curtain - Easy and quick to install at reduced costs since no additional water systems, boilers and gas connections are required	
Biddle standard air curtain cassette	CYQ S/M/L-DK-C		
Biddle standard air curtain recessed	CYQ S/M/L-DK-R		

Biddle air curtain nomenclature



Biddle air curtain for ERQ

- Connectable to ERQ heat pump
- ERQ is among the first DX systems suitable for connection to air curtains
- Free-hanging model (F): easy wall mounted installation
- Cassette model (C): mounted into a false ceiling leaving only the decoration panel visible
- Recessed model (R): neatly concealed in the ceiling
- A payback period of less then 1.5 years compared to installing an electric air curtain
- Easy and quick to install at reduced costs since no additional water systems, boilers and gas connections are required
- PATENTED TECHNOLOGY: Maximum energy efficiency stemming from almost zero down flow turbulence, optimised air flow and the application of advanced discharge rectifier technology
- Around 85% air separation efficiency, greatly reducing both heat loss and required indoor unit heating capacity



CYQM150DK80FSN

CYQM150DK80CSN

CYQM150DK80RSN

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

CYQ

Outdoor units portfolio for connection to Biddle air curtains

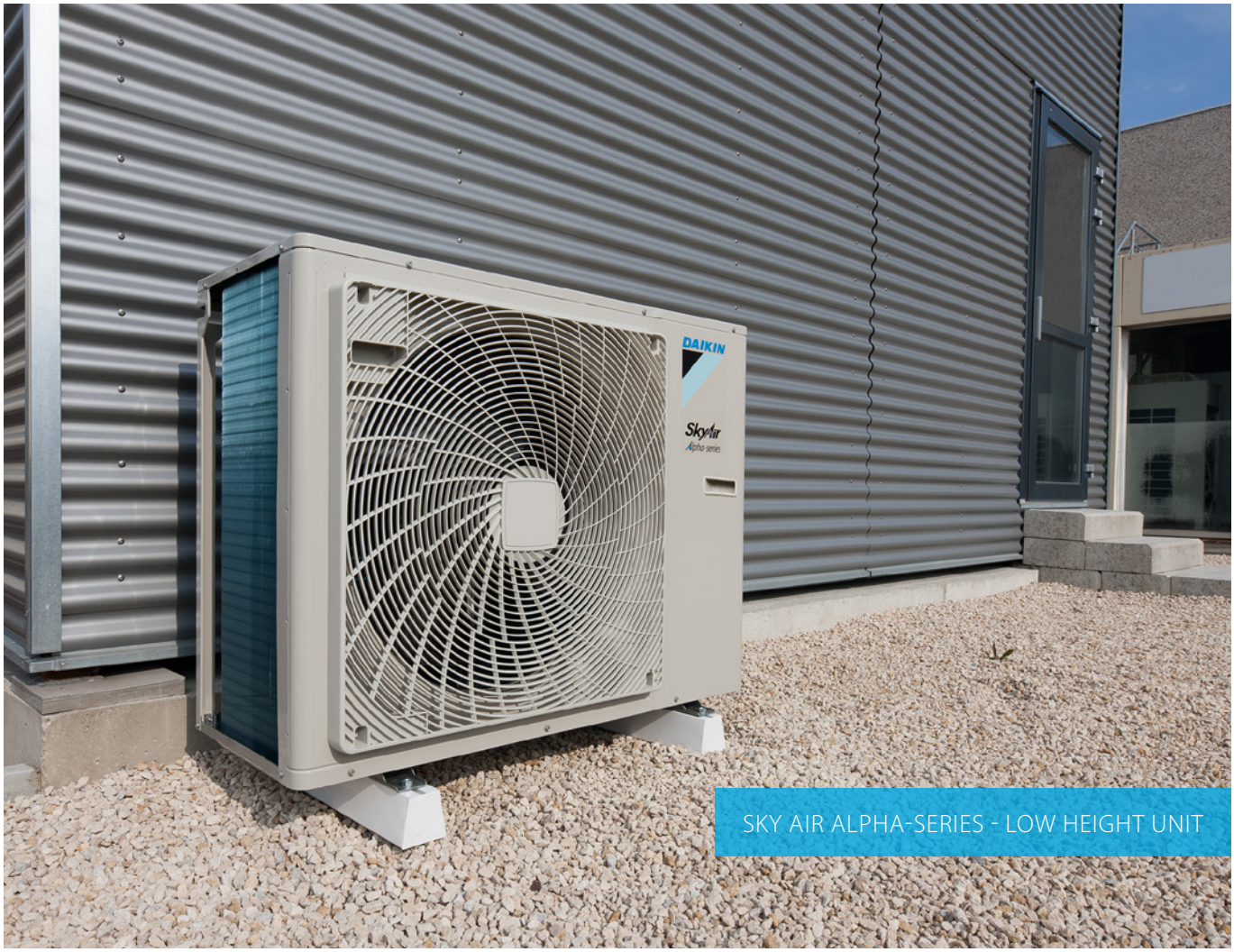
System	Type	Product name	Condensing units		71	100	125	140	200	250
Air cooled	Heat pump	ERQ-AV1 [1] Condensing Units	- High efficiency - High comfort levels - Easy design and installation - Maximize installation flexibility by offering 4 types of control systems			●	●	●		
		ERQ-AW1 [1] Condensing Units					●		●	●

1) Only use the condensing units in combinations with an air handling unit.

				Small			Medium			
				CYQS150DK80 *BN/*SN	CYQS200DK100 *BN/*SN	CYQS250DK140 *BN/*SN	CYQM100DK80 *BN/*SN	CYQM150DK80 *BN/*SN	CYQM200DK100 *BN/*SN	CYQM250DK140 *BN/*SN
Heating capacity	Speed 3		kW	9.0	11.6	16.2	9.2	11.0	13.4	19.9
Power input	Fan only	Nom.	kW	0.35	0.46	0.58	0.37	0.56	0.75	0.94
	Heating	Nom.	kW	0.35	0.46	0.58	0.37	0.56	0.75	0.94
Delta T	Speed 3		K	15		16	17	14	13	15
Casing	Colour			BN: RAL9010 / SN: RAL9006						
Dimensions	Unit	Height F/C/R	mm	270/270/270						
		Width F/C/R	mm	1,500/1,500/1,548	2,000/2,000/2,048	2,500/2,500/2,548	1,000/1,000/1,048	1,500/1,500/1,548	2,000/2,000/2,048	2,500/2,500/2,548
		Depth F/C/R	mm	590/821/561						
Required ceiling void >			mm	420						
Door height	Max.		m	2.3 (1)/2.15 (2)/2.0 (3)	2.3 (1)/2.15 (2)/2.0 (3)	2.3 (1)/2.15 (2)/2.0 (3)	2.5 (1)/2.4 (2)/2.3 (3)	2.5 (1)/2.4 (2)/2.3 (3)	2.5 (1)/2.4 (2)/2.3 (3)	2.5 (1)/2.4 (2)/2.3 (3)
Door width	Max.		m	1.5	2.0	2.5	1.0	1.5	2.0	2.5
Weight	Unit		kg	66	83	107	57	73	94	108
Fan-Air flow rate	Heating	Speed 3	m^3/h	1,746	2,328	2,910	1,605	2,408	3,210	4,013
Sound pressure level	Heating	Speed 3	dBA	49	50	51	50	51	53	54
Refrigerant	Type / GWP			R-410A / 2,087.5						
Piping connections	Liquid/OD/Gas/OD		mm	9.52/16.0		9.52/19.0	9.52/16.0			9.52/19.0
Required accessories (should be ordered separately)				Daikin wired remote control (BRC1H51(9)W/S/K / BRC1E53A/B/C / BRC1D52)						
Power supply	Voltage		V	230						

				Large			
				CYQL100DK125*BN/*SN	CYQL150DK200*BN/*SN	CYQL200DK250*BN/*SN	CYQL250DK250*BN/*SN
Heating capacity	Speed 3		kW	15.6	23.3	29.4	31.1
Power input	Fan only	Nom.	kW	0.75	1.13	1.50	1.88
	Heating	Nom.	kW	0.75	1.13	1.50	1.88
Delta T	Speed 3		K	15		14	12
Casing	Colour			BN: RAL9010 / SN: RAL9006			
Dimensions	Unit	Height F/C/R	mm	370/370/370			
		Width F/C/R	mm	1,000/1,000/1,048	1,500/1,500/1,548	2,000/2,000/2,048	2,500/2,500/2,548
		Depth F/C/R	mm	774/1,105/745			
Required ceiling void >			mm	520			
Door height	Max.		m	3.0 (1)/2.75 (2)/2.5 (3)	3.0 (1)/2.75 (2)/2.5 (3)	3.0 (1)/2.75 (2)/2.5 (3)	3.0 (1)/2.75 (2)/2.5 (3)
Door width	Max.		m	1.0	1.5	2.0	2.5
Weight	Unit		kg	76	100	126	157
Fan-Air flow rate	Heating	Speed 3	m^3/h	3,100	4,650	6,200	7,750
Sound pressure level	Heating	Speed 3	dBA	53	54	56	57
Refrigerant	Type / GWP			R-410A / 2,087.5			
Piping connections	Liquid/OD/Gas/OD		mm	9.52/16.0	9.52/19.0	9.52/22.0	
Required accessories (should be ordered separately)				Daikin wired remote control (BRC1H51(9)W/S/K / BRC1E53A/B/C / BRC1D52)			
Power supply	Voltage		V	230			

(1) Favorable conditions: covered shopping mall or revolving door entrance (2) Normal conditions: little direct wind, no opposite open doors, building with ground floor only
(3) Unfavorable conditions: location at a corner or square, multiple floors and/or open stairway



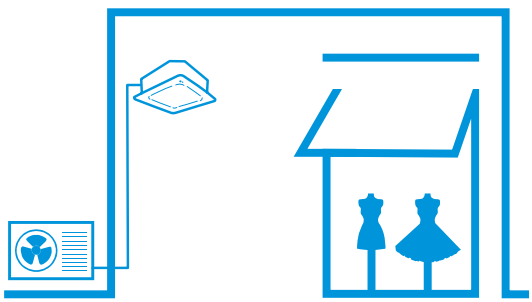
SKY AIR ALPHA-SERIES - LOW HEIGHT UNIT

LOW SOUND ENCLOSURE FOR SKY AIR
ALPHA-SERIES (RZAG-N) AND ADVANCE-SERIES (RZA-D)

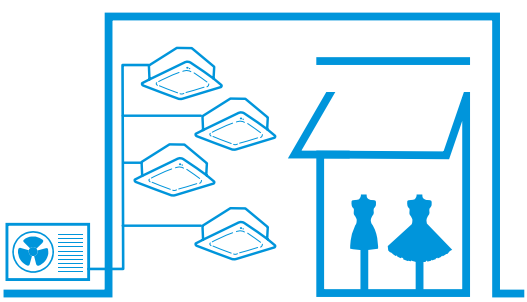
Outdoor units

A range of industry leading technology outdoor units

Pair solution



Twin, triple, double twin solution



Products overview outdoor units

Pair, twin, triple & double twin application

BLUEVOLUTION

R-32

Sky Air A-series

System	Type	Model	Product name	35	50	60	71	100	125	140	200	250
				3.5 kW	5.0 kW	6.0 kW	6.8 kW	9.5 kW	12.1 kW	13.4 kW		
Air cooled	Heat pump	**Sky Air Alpha-series** R-32 A++ (A+++ - D) - Industry leading technology for commercial applications - Dedicated solution for infrastructure cooling - Variable Refrigerant Temperature (RZAG71-100-125-140 series) - Maximum piping length up to 85m (50m for RZAG35-50-60) - Replacement technology - Extended operation range down to -20°C in both heating and cooling - Pair, twin, triple and double twin application (RZAG71-100-125-140 series)	RZAG-A RZAG-NV1/NY1									
		Sky Air Advance-series R-32 A+ (A+++ - D) - Technology and comfort combined for commercial applications - Very compact and easy to install outdoor units - Maximum piping length up to 50m (RZA-D up to 100m) - Replacement technology - Operation range down to -15°C both cooling and in heating (RZA-D down to -20°C) - Pair, twin, triple and double twin application	RZASG-MV1/MY1									
			RZA-D									
		Sky Air Active-series R-32 A (A+++ - D) - Ideal solution for busy environments and small shops - Very compact and easy to install outdoor units - Maximum piping length up to 30m - Replacement technology - Easy-to-mount outdoor units: roof, terrace or wall - Exclusively offered for pair applications	ARXM-R AZAS-MV1/MY1									

Benefits overview outdoor units

			Sky Air Alpha-series		Sky Air Advance-series		Sky Air Active-series
			RZAG-A	RZAG-NV1/NY1	RZASG-MV1/MY1	RZA-D	AZAS-MV1/MY1
							
We care icons	Seasonal efficiency - Smart use of energy	Seasonal efficiency gives a more realistic indication on how efficient air conditioners operate over an entire heating or cooling season.	A++ (A+++ - D)	A++ (A+++ - D)	A+ (A+++ - D)	-	A (A+++ - D)
	Inverter technology	Inverter compressors continuously adjust compressor speed to actual demand. Fewer power-consuming starts and stops result in decreased energy consumption (up to 30%) and more stable temperatures.	●	●	●	●	●
	Replacement technology	Quick and quality system replacement in the most cost effective way	●	●	●	●	●
Comfort	Night quiet	Lowers the operation sound of the outdoor unit automatically.	●	●	●	●	●
	Auto cooling-heating changeover	Automatically selects cooling or heating mode to achieve the set temperature.	●	●	●	●	●
Other functions	Variable refrigeration temperature	The intelligent systems ensures highest energy savings with additional comfort to better suit application requirements.		●			
	Twin/triple/double twin application	2, 3 or 4 indoor units can be connected to only 1 outdoor unit. All indoor units operate within the same mode (cooling or heating) from one remote control.		●	●	●	
	Swing compressor	Outdoor units are fitted with a swing compressor, renowned for its low noise and high reliability	●	●	●	●	●
	Guaranteed operation down to -20°C	Daikin is suitable for all climates, even withstanding severe winter conditions with an operation range down to -20°C.	●	●		●	
	Infrastructure cooling	For high sensible, infrastructure cooling applications, dedicated infrastructure cooling settings and allowing asymmetric combinations enhance the system's reliability.	●	●			
	Low sound enclosure	Dedicated Daikin developed and tested low sound enclosure, reducing sound power by up to -10 dB(A)		o		o	

Technical benefit overview

Sky Air A-series

	Sky Air Alpha-series		Sky Air Advance-series		Sky Air Active-series
	RZAG-A	RZAG-NV1/NY1	RZASG-MV1/MY1	RZA-D	AZAS-MV1/MY1
Compact single fan casing on the entire range	●	●	●	●	●
Maximum piping length	50 m	85 m	50 m	100 m	30 m
Pivoting front plate		●	●	●	●
7 segment display		●	●	●	●
Increased factory charge	●	●			
Integrated leak check		●			
Refrigerant bottom plate pass		●			
Specially deveoloped R-32 swing compressor	●	●	●	●	●
Refrigerant cooled PCB		●	●	●	●
Intelligent Tablet controller - Onecta app	o	o	o	o	o

● standard, o optional

Low sound enclosure

EKLN140A

– 10 dB(A)!

Meet strict sound requirements, while increasing flexibility to apply Sky Air and VRV systems thanks to **sound power reduction of up to 10 dB(A)**

- ☑ Specially designed for Sky Air and VRV heat pumps
- ☑ Factory tested and guaranteed data for capacity, efficiency and sound (according to ISO 3744)
- ☑ Minimal capacity reduction
- ☑ No additional calculations needed thanks to factory tested data, reducing design workload

Tried and tested: values that you can rely on

You want to finish your work faster? You want reliable results? You want your customers to get exactly what they ordered?

Our low sound enclosure eliminates possible problems and reduces your workload significantly:

› **No incompatibilities** – tested combinations with the outdoor unit that you want to encase
› **No surprises** – measured and guaranteed sound reduction according to ISO 3744
› **No calculations** – tested performance values for capacity and efficiency

Sound power level measurement in acoustic chamber

Sound enclosure				EKLN140A
Casing	Colour			Anthracite (RAL 7016)
	Material			Sheet metal
Dimensions	Unit	Height	mm	1,100
		Width	mm	1,400
		Depth	mm	1,500
	Packed unit	Height	mm	1,017
		Width	mm	1,517
		Depth	mm	917
Weight	Unit		kg	152
	Packed unit		kg	186
Combines with	Sky Air Alpha-series			RZAG-NV1/NY1
	Sky Air Advance-series			RZA-D
	VRV 5 S-series			RXYSA-AV1/AY1

Benefits

Dedicated Daikin option for:
- Sky Air Alpha-series
- Sky Air Advance-series
- VRV 5 S-series

Fully optimised and tested in Daikin factory
- Guaranteed performance levels (sound, capacity, efficiency)

Outdoor unit sound reduction of up to -10 dB(A) on sound power levels
- Enabling to meet local sound requirements
- Increased flexibility to apply outdoor units
- Reduces sound on the entire sound spectrum

Minimal capacity reduction
- Separated air intake and discharge to prevent air flow short circuit
- No additional calculations needed thanks to factory tested data

Easy to integrate
- Anthracite (RAL 7016), highly aesthetic finishing
- Mechanically designed to perfectly suit the Sky Air Alpha/Advance and VRV 5 S-series casings
- Self-supporting; can be installed on any flat surface

Fast & easy installation & servicing
- 100 % weather resistant
- Easy opening to access most system components

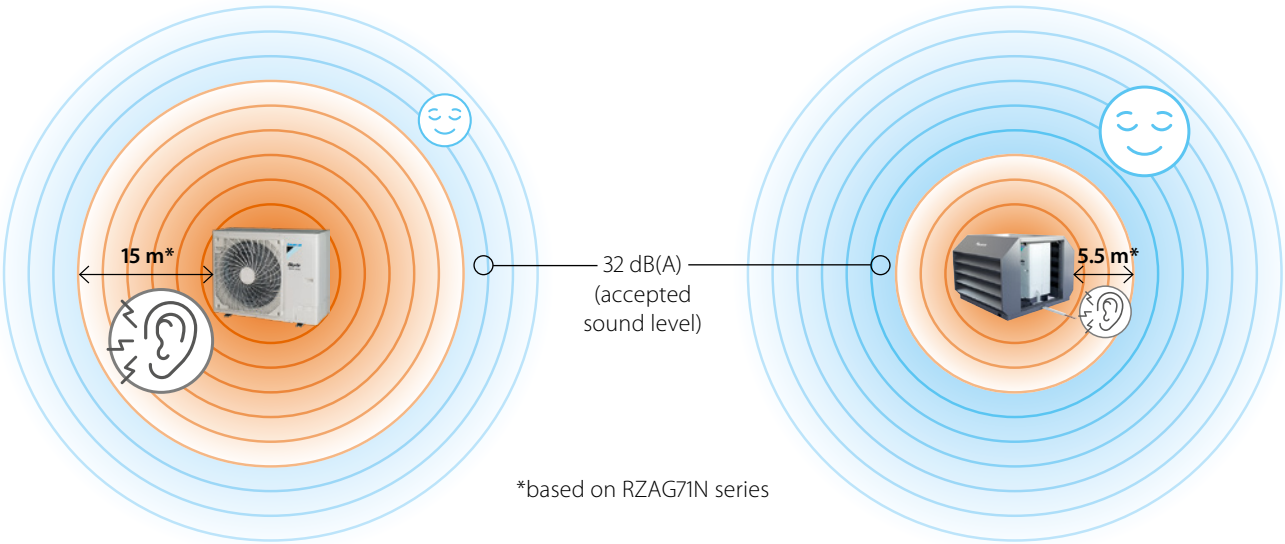
Durable
- 3 years warranty on all components
- Made of stainless steel with robust double layer powder coating, ensuring maximum corrosion resistance

Increased flexibility to apply heat pumps based on tested data

The reduction of the sound power levels (up to –10 dB(A)) across the entire sound spectrum increases your flexibility significantly. In the example below with the low sound enclosure, the heat pump can be installed as close as 5.5 m to the next premises, based on the 32 dB(A) threshold (check local regulations). Thanks to the precise Daikin sound and capacity data you can be confident about the solution you are offering.

Without Daikin sound enclosure **you need to maintain a 15 m distance from** your closest neighbour

With the Daikin sound enclosure **you can install as close as 5.5 m** from your closest neighbour



*based on RZAG71N series

Tested to ease your work!

Double win with Daikin

Validated data

The sound enclosure is extensively tested with all suitable outdoor units. We offer measured data for:

› Sound power (heating/cooling) according to ISO 3744
› Sound pressure (heating/cooling) at 1 m distance
› Sound pressure for low noise operation
› Sound enclosure insertion loss
› All data delivered in octave band spectra and A-weighted sound level

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

EKLN-A

Sound power reduction values

Range	Outdoor unit name	Cooling sound power		Heating sound power	
		Sound reduction	Nominal sound with sound enclosure	Sound reduction	Nominal sound with sound enclosure
Sky Air Alpha-series	RZAG71NV1/NY1	–9 dB(A)	55	–7 dB(A)	57
	RZAG100NV1/NY1	–8 dB(A)	58	–8 dB(A)	60
	RZAG125NV1/NY1	–10 dB(A)	59	–10 dB(A)	59
	RZAG140NV1/NY1	–9 dB(A)	61	–9 dB(A)	62
Sky Air Advance-series	RZA200D	–7 dB(A)	66	–5 dB(A)	72
	RZA250D	–6 dB(A)	70	–5 dB(A)	75
VRV 5 S-series	RXYSA4AV1/AY1	–7 dB(A)	60	–7 dB(A)	61
	RXYSA5AV1/AY1	–8 dB(A)	60	–9 dB(A)	60
	RXYSA6AV1/AY1	–8 dB(A)	61	–9 dB(A)	61

Efficiency and capacity impact

Range & outdoor unit name	Outdoor unit only		With sound enclosure		Outdoor unit only		With sound enclosure		Outdoor unit only		With sound enclosure		Correction factor maximum capacity	
	SEER/η s,c	SCOP/η s,h	SEER/η s,c	SCOP/η s,h	SEER/η s,c	SCOP/η s,h	SEER/η s,c	SCOP/η s,h	SEER/η s,c	SCOP/η s,h	SEER/η s,c	SCOP/η s,h	Cooling	Heating
Sky Air Alpha-series	**+ FCAHG71/100/125/140A**				**+ FCAG71/100/125/140B**				**+ FBA71/100/125/140A**					
RZAG71NV1/NY1	7.90/–	4.56/–	6.72/–	4.10/–	6.83/–	4.22/–	5.81/–	3.80/–	6.50/–	4.20/–	5.53/–	3.78/–	85 %	90 %
RZAG100NV1/NY1	7.70/–	4.75/–	6.62/–	4.44/–	7.14/–	4.53/–	6.07/–	4.14/–	6.47/–	4.36/–	5.50/–	4.01/–	86 %	
RZAG125NV1/NY1	8.02/318	4.53/178	6.96/275	4.26/167	7.14/283	4.34/171	6.26/247	4.15/163	6.56/259	4.37/172	5.92/234	4.12/162	90 %	
RZAG140NV1/NY1	7.93/314	4.44/175	6.84/271	4.21/165	6.80/269	4.34/171	5.83/230	4.17/164	6.42/254	4.34/171	5.62/222	4.14/162		
Sky Air Advance-series	**+ FDA200/250A**				**+ 4 x FCAG50/60B**				**+ 4 x FBA50/60A**					
RZA200D	6.26/247	3.59/141	5.90/233	3.17/124	7.16/283	4.10/161	6.52/258	3.56/140	6.51/257	4.20/165	5.90/233	3.65/143	84 %	80 %
RZA250D	5.38/212	3.55/139	4.91/193	3.14/123	6.95/275	4.10/161	6.18/244	3.56/139	6.69/264	4.33/170	5.95/235	3.78/148		
VRV 5 S-series	**+ FXSA****													
RXYSA4AV1	8.2/324	5.1/200	7.2/284	4.9/193									95 %	
RXYSA4AY1	7.9/312	4.9/193	6.9/273	4.7/186										
RXYSA5AV1	7.7/306	4.7/186	6.7/264	4.5/178										
RXYSA5AY1	7.4/295	4.5/179	6.4/254	4.4/172										
RXYSA6AV1	7.6/301	4.7/184	6.5/257	4.5/176										
RXYSA6AY1	7.3/290	4.5/177	6.3/248	4.3/170										

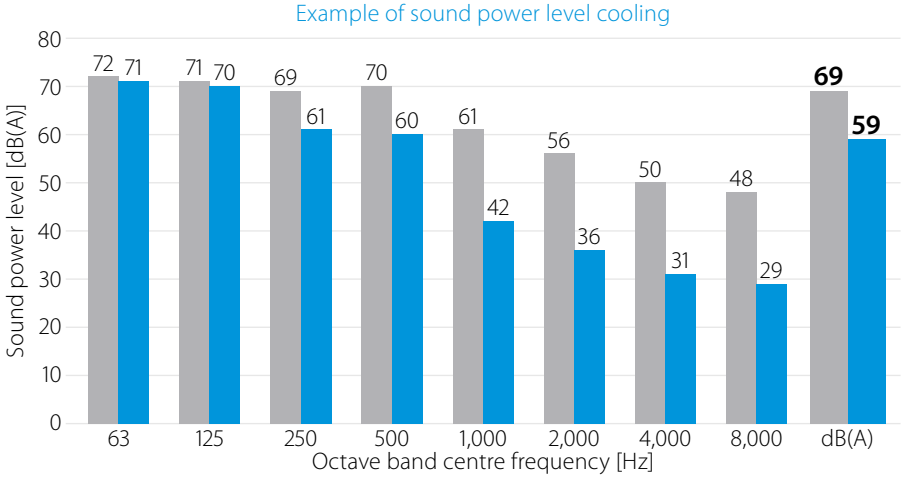
**4 HP: + 3 x FXSA25A + 1 x FXSA32A 5 HP: + 4 x FXSA32A 6 HP: + 2 x FXSA32A + 2 x FXSA40A

Sound power levels – cooling and heating, according to ISO 3744

› dB(A) = A-weighted sound power level (A scale according to IEC)
› Reference acoustic intensity: 0 dB = $\cdot 10^{-12}$ W·

RZAG125N
RZAG125N + EKLN140A

Example of sound power level cooling

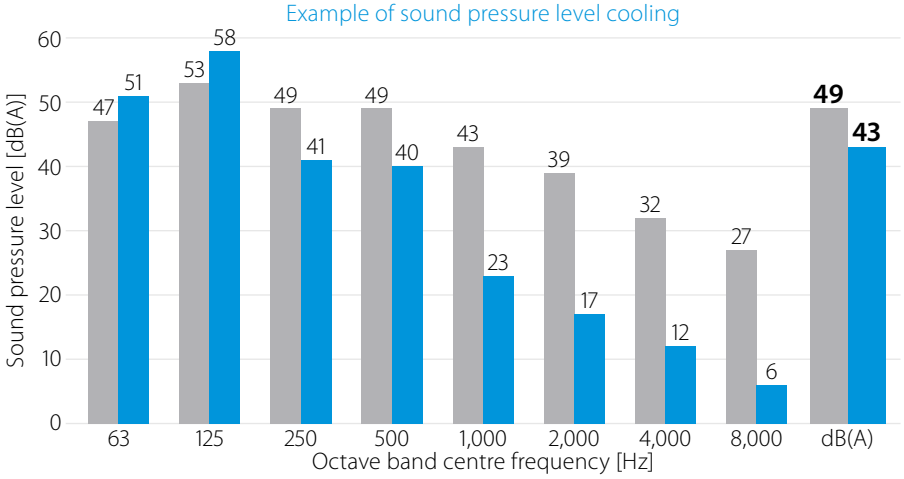


Sound pressure levels – cooling and heating

› Data is valid at free field condition
› Data is valid at nominal operation conditions
› dB(A) = A-weighted sound pressure level (A scale according to IEC)
› Reference acoustic pressure 0 dB = 20 µPa
› Microphone location at the discharge side; 1 m from the object; 1.5 m above the ground

RZAG125N
RZAG125N + EKLN140A

Example of sound pressure level cooling

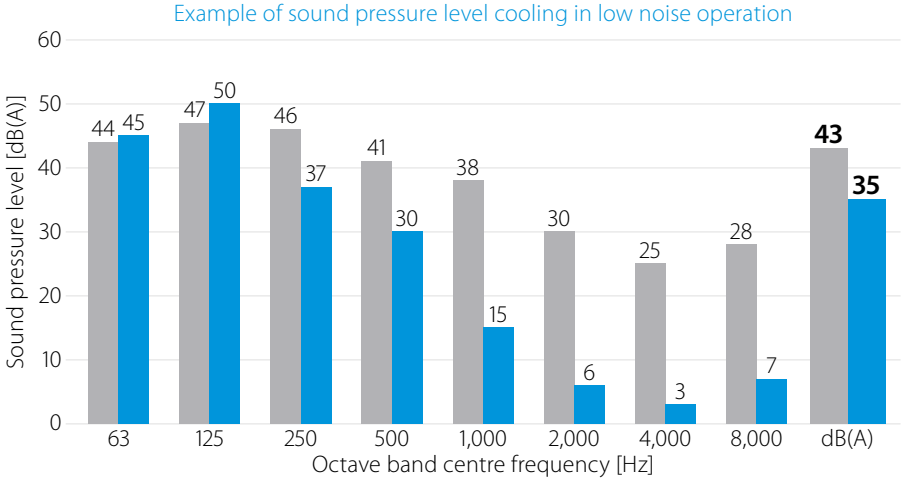


Sound pressure levels – low noise operation (level 3)

› Data is valid at free field condition
› Data is valid at nominal operation conditions
› dB(A) = A-weighted sound pressure level (A scale according to IEC)
› Reference acoustic pressure 0 dB = 20 µPa
› Microphone location at the discharge side; 1 m from the object; 1.5 m above the ground

RZAG125N
RZAG125N + EKLN140A

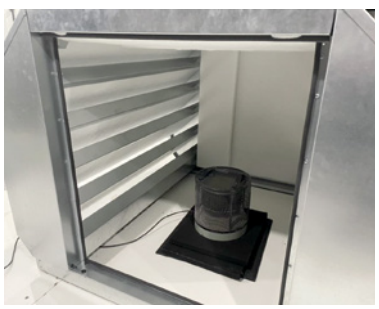
Example of sound pressure level cooling in low noise operation

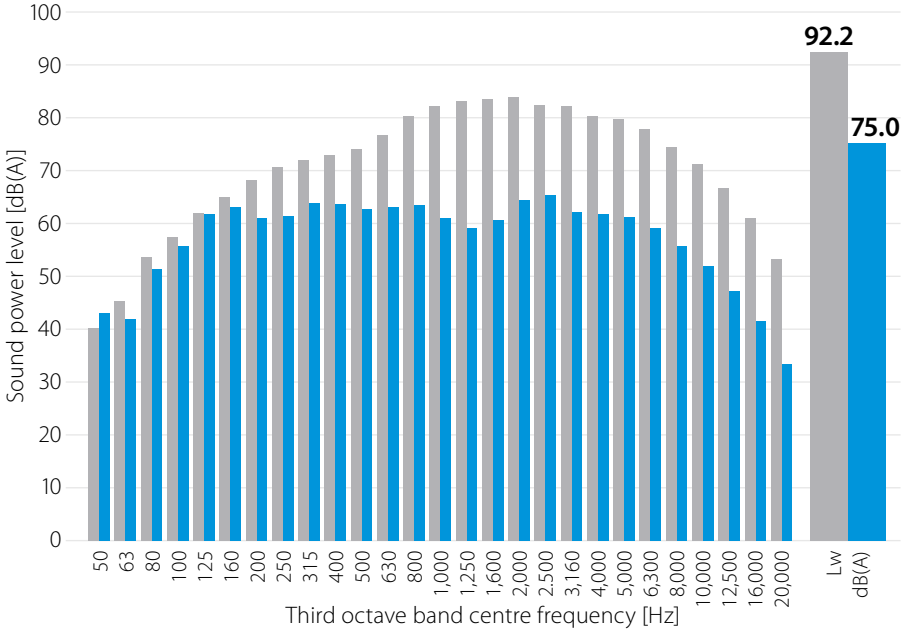


Insertion loss values

› Insertion loss measurement of standalone enclosure with calibrated sound source

Sound power level [dB(A)]
Reference sound source (RSS): B&K Type 4204 RSS



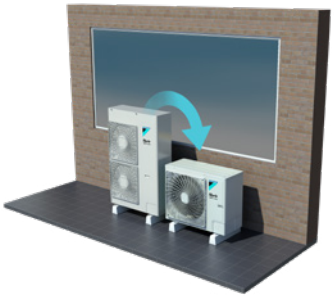


SkyAir Advance-series

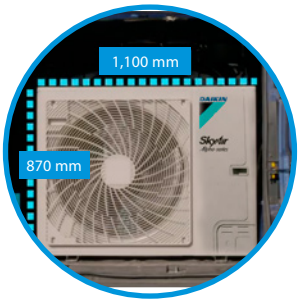
SkyAir Alpha-series

Low height. High value.

Unique, low-height single fan range



Compact unit, easy to transport



Market-leading serviceability and handling

Fast and easy access to all critical component

- Single screw access
- Wider access area

Newly positioned handle for easier carrying

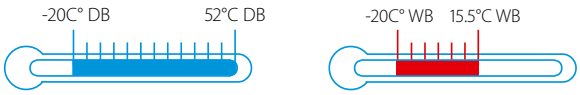
BLUEVOLUTION

Very long piping length

› Up to 85m for RZAG-NV1/NY1
› Up to 100m for RZA-D

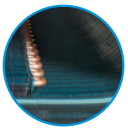
Wide operation range down to -20°C

› Cooling operation from -20°C up to +52°C (+46°C for RZA-D)
› Heating operation down to -20°C



Faster installation with up to 40m pre-charged pipe

› Up to 60% of applications can be installed without additional refrigerant charge
› 40m pre-charge for RZAG-NV1/NY1
› 30m pre-charge for RZA-D



3-row heat exchanger

› Unique 3-row heat exchanger to allow compact casing up to 14kW

New and bigger fan design

› Ensures high air volume with low air velocity
› Reduces sound emissions

Bottom plate and heat exchanger refrigerant pass

› Drain holes are kept ice free
› Guaranteed operation down to -20°C

New 7-segment display to view errors and systems settings

Refrigerant coold PCB

Swing compressor optimised for seasonal efficiency

Replacement technology

The quick and quality way of upgrading R-22 and R-410A systems

Benefits to increase your profit

Optimise your business

Less installation time
Tackle more projects in less time thanks to faster installation. It is more profitable than replacing the full system with new piping.

Lower installation costs
Reducing installation costs enables you to offer customers the most cost-effective solution and improve your competitive edge.

Replace non-Daikin systems

NON DAIKIN → DAIKIN

It is a trouble-free replacement solution for Daikin systems and for systems made by other manufacturers.

Easy as one-two-three
A simple solution for replacement technology enables you to handle more projects for more customers in less time and offer them the best price! Everybody gains.

The benefits will convice your customer

- ☑ To prevent unexpected breakdown
- ☑ To lower running costs
- ☑ To protect the environment
- ☑ To improve comfort

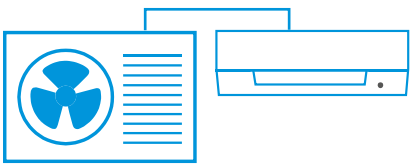
Your copper pipes will last for multiple generations

Copper pipes used in air conditioning systems tested by Daikin will last over 60 years after installation.

How does it work?

The Daikin low-cost upgrade solution

Replace indoor units
Contact your local dealer to check compatibility in case you need to keep the indoor units.

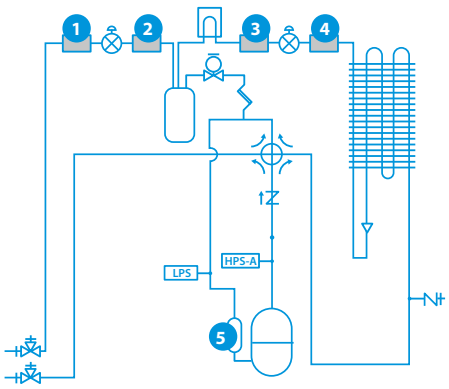


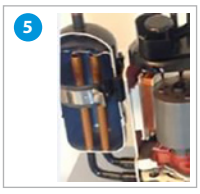
Replace outdoor units

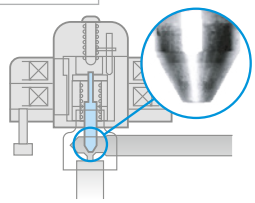
Learn more about Daikin replacement solutions at www.daikin.eu/en_us/knowledge-center/replacement-technology.html

Unique technologies

› Cleaning free piping re-usage thanks to unique hepta filtering for maximum particle reduction







› New expansion valve needle material, with high corrosion resistance
› New type oil for maximum system protection

New simplified replacement procedure with Sky Air A-series outdoor units

How does it work?

1 Evaluate if the pipe work can be re-used

☑ Check if the piping installation is according to standards, that there no fractures or damages and that liquid and gas pipe have separate insulation

☑ Verify pipe thickness

Outside diameter (mm)	Material	Thickness (mm)
6.4	o	0.8
9.5	o	0.8
12.7	o	0.8
15.9	o	1.0
19.1	1/2H	1.0

o: annealed - 1/2H: half hard

☑ Verify piping diameter

	Liquid	6.4			9.5					12.7			
	Gas	9.5	12.7	15.9	12.7	15.9	19.1	22.2	25.4	15.9	19.1	22.2	25.4
Sky Air	3.5kW	✓	x	x	x	x	x	x	x	x	x	x	x
	5.0kW	Δ	✓	o	Δ	Δ	x	x	x	x	x	x	x
	6.0kW	Δ	✓	o	Δ	Δ	x	x	x	Δ	x	x	x
	7.1kW	x	Δ	Δ	x	✓	x	x	x	Δ	x	x	x
	10.0-14.0kW	x	x	Δ	x	✓	o	x	x	Δ	Δ	x	x
	20.0-25.0kW	x	x	x	x	x	x	✓	o	x	x	Δ	Δ

✓ Possible (Standard condition)
o Possible (With no impact on chargeless length and total length)
Δ Possible (With impact on chargeless length and total length)
x Impossible

☑ Verify the piping length

	Liquid pipe (mm)	35	50	60	71	100	125-140	200-250
Chargeless (equivalent)	6.4	30 (40) m	30 (40) m	30 (40) m	10 / (15) m			N/A
	9.5	-	15 (20) m	15 (20) m	40 / (50) m			N/A
	12.7	-	-	10 (15) m	15 / (20) m			N/A
Max. total length (equivalent)	6.4	50 (65) m	50 (65) m	50 (65) m	10 / (15) m			N/A
	9.5	-	25 (35) m	25 (35) m	55 / (75) m	85 / (100) m		100 m
	12.7	-	-	10 (15) m	25 / (35) m	35 / (45) m		50 m

☑ Check if any operation history affects the ability to re-use the pipes(systems with a pipe length up to 35m, can always re-use exisiting pipe work when using a new Sky Air A-series model)

System to be replaced	System condition	Piping length	R-32 Sky Air A-series
R-22 (mineral oil)	Unit is operating (pump down can be performed)	No restrictions	✓
	Pump down operation impossibility or compressor malfunction	Below 35 m	✓
		Above 35 m	o
R-410A (synthetic oil)	Unit is operating (pump down can be performed)	No restrictions	✓
	Pump down operation impossibility or compressor malfunction	Below 35 m	✓
		Above 35 m	o
R-32 (synthetic oil)	Unit is operating (pump down can be performed)	No restrictions	✓
	Pump down operation impossibility or compressor malfunction	Below 35 m	✓
		Above 35 m	o

✓ **Cleaning-free** piping re-use
o Cleaning of field piping or replacement of field piping is required

☑ The Flare connection MUST be redone by using the flare nut included with the new outdoor unit

2 Evaluate if the wiring can be re-used

☑ Check if the wiring meets current standard and the specificaton of the new unit and that there is no damage or scratches

note: For general installation guidelines and requirements please check the installation manual of the specific outdoor model

Variable Refrigerant Temperature

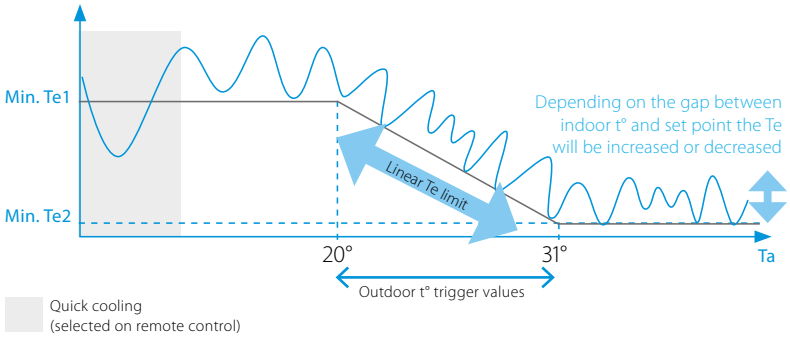
The ultimate customer experience

Variable Refrigerant Temperature

☑ **Increases air discharge temperature and eliminates cold drafts!**

☑ **Increased customer comfort and reduced energy consumption!**

› The system automatically increases its evaporating temperature (Te) when the gap between the actual indoor temperature (Tin) and the setpoint (Tset) is becoming smaller, increasing comfort and providing more stable operation

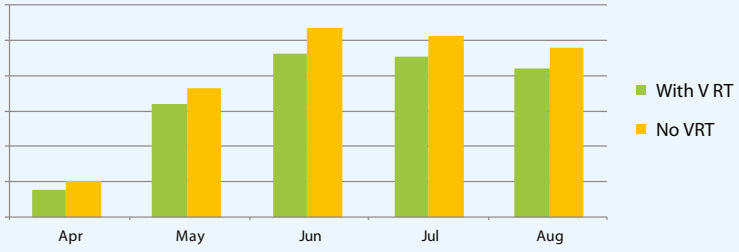


Case study: JBC, Vilvoorde

☑ **Two pair systems are installed in the same zone allowing comparison**

☑ **More energy efficient: up to 20% lower energy consumption**

Average energy consumption over 5 months of operation



☑ **Improved comfort: higher discharge temperatures**

› More stable and continuous operation
› Average discharge temperature increased with 3~4°C

Infrastructure cooling

Daikin is the world leader when it comes to cooling. With over 90 years of innovation and engineering expertise in specialised cooling, Daikin offers a Sky Air solution that is **reliable**, **efficient** and **flexible** to meet the demanding needs of infrastructure cooling environments.

RELIABLE

Guaranteed system operation:
- Oversized indoor units boost cooling capacity and prevent freeze-ups on the indoor side
- Wide operating range envelope: operation range in cooling down to -20°C and up to +52°C

EFFICIENT

Optimum return on investment:
- Lowers running costs by using highly efficient direct expansion cooling systems
- Lower running costs compared to other DX systems and water based chillers.
- Reduces mechanical cooling and energy consumption with the free cooling option for single phase systems

FLEXIBLE

- Scalable in capacity
- Improved infrastructure control and management
- Lower physical footprint since no floor space is occupied
- Wide range of indoor units to suit application preferences

UNIQUE

Dedicated system combinations

Benefits

1. Boost the heat transfer capacity of the indoor system
2. Ability to work with higher evaporation temperatures (Te) avoids downtime and enables continuous operation
3. Official energy labels for indoor and outdoor system combinations provide standardized and reliable performance data

UNIQUE

2-step solution for system selection

Benefits

1. Daikin makes the system selection procedure easy and reliable by providing detailed capacity tables based on extensive testing.
2. Choose the best product combination that meets end-user requirements

UNIQUE

Efficient cooling

Benefits

1. Free cooling: optimum energy efficiency using cold ambient air
2. Widest range of indoor systems with best in class energy efficiency
3. Wide indoor and outdoor operation range, reliable performance even in extreme conditions

UNIQUE

Flexible control

Benefits

1. Optimal backup supported by duty rotation control, automatic backup activation and remote alarms
2. Guaranteed continuous operation from extended compressor limits
3. Controller settings to adapt to specific infrastructure cooling environment conditions
4. Fewer start/stop cycles

Find out more in our infrastructure cooling brochure

Click or scan the code to access all technical information

Boosted capacity indoor systems

High reliability at lower running costs for infrastructure cooling

Split air conditioning systems for normal comfort cooling applications usually combine indoor systems with matching capacities, or multiple indoor systems with capacities lower than the outdoor system's capacity. This works because the indoor system's cooling capacity is sufficient to handle the higher humidity conditions and varying indoor temperature requirements that are common in a normal living environment.

Applying this design logic to infrastructure cooling environments can lead to risky situations that might compromise overall system reliability and frequent downtimes of 15 minutes.

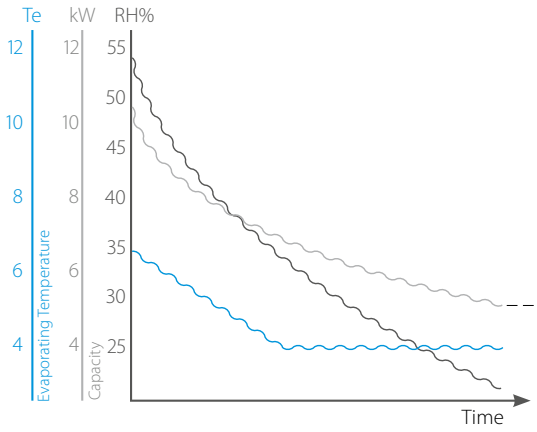
Indoor systems for infrastructure cooling environments need enhanced capabilities for continuous heat transfer because they work harder to extract energy by cooling dry air. Daikin recommends and offers asymmetric combinations (boosted capacity indoor combinations: e.g. 71 class outdoor + 100 class indoor).

You can now confidently combine indoor systems with higher capacities than the outdoor system. This will boost heat transfer inside the technology or server room environments.

Infrastructure cooling application system solutions

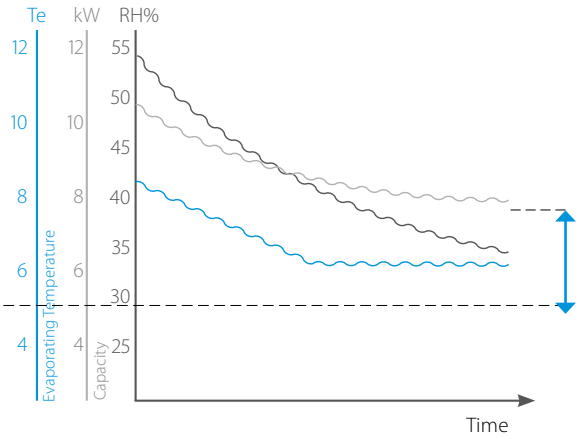
TRADITIONAL SOLUTION

Symmetric indoor-outdoor system combination



Relative Humidity: reduces over time
Capacity: reduced
Evaporating temp: drops to compensate reduced capacity
too low Te can lead to freeze-up prevention, causing system downtime

DEDICATED SOLUTION



Improved solution

- Boosted capacity indoors increase the heat transfer capacity at low relative humidity
- Allows the system to operate with higher Te, guaranteeing continuous operation and reducing unwanted dehumidification

Between **20-40%** sensible capacity increase

Low humidity + Low ambient environment

Outside temperature Ta	-5 °C
Set-point	22 °C
Humidity	35 %
Indoor wet-bulb temperature	13 °C

EER

TRADITIONAL SOLUTION **100%**

IMPROVED SOLUTION **82%** — 18% SAVINGS

traditional solution RZAG71 + **FAA71**	
Total Capacity (TC)	5.63 kW
Sensible Heat Capacity (SHC)	4.28 kW
Power Input (PI)	2 kW
Co-efficient of Power Input (CPI)	0.39
Corrected PI	0.78 kW
EER*	5.5

dedicated system combination solution RZAG71 + **FAA100**	
Total Capacity (TC)	**6.02 kW**
Sensible Heat Capacity (SHC)	**6.02 kW**
Power Input (PI)	**1.72 kW**
Co-efficient of Power Input (CPI)	**0.45**
Corrected PI	**0.77 kW**
EER*	**7.82**

Sensible Heat Capacity increases **20-40%** with dedicated system combination.

*EER = (SHC/Corrected PI)

Up to **18%** savings on running cost

2-Step solution for system selection

High reliability for infrastructure cooling

UNIQUE

Select your infrastructure cooling system in 2 steps

No humidity generation in room (eg: Server room)

IT room requires 22°C inside. It will have 7kW of sensible cooling demand, and no latent cooling demand (no humidity generation) throughout the year. Ceiling suspended indoor unit is the customer's preference for the server room.

Indoor temperature = 22°CDB
Sensible cooling demand (SHC) = 7 kW
Latent cooling demand (LC) = 0 kW*
Total cooling demand (TC) = SHC + LC = 7 kW
Outdoor temperature operating range = -20°C ~ +40°C
Most stringent outdoor unit capacity condition = -20°C

SOLUTION

Boosted capacity indoor combination with 10kW outdoor system.

RZAG100 + FHA140
Total capacity = 7.48 kW
Sensible capacity = 7.48 kW
Power input = 0.42 x 1.96 = 0.82 kW

* If there is no latent cooling demand, look for conditions where TC = SHC, since no more dehumidification will occur and thus the indoor environment will stabilize. When TC > SHC and there is no humidity generation, the indoor humidity will gradually decrease.

STEP 1

Determine requested indoor conditions and required cooling demand (Sensible and Total capacity)

STEP 2

Select the system combination from the given table, where the system 's sensible and total capacity meets the cooling demand at the requested indoor and outdoor temperatures.

Some humidity source in room (eg: Laboratory)

Lab requires 22°C inside. It will have 9 kW of sensible cooling demand, and some humidity generation in the room (est. indoor humidity level 42%).
Wall mounted indoor unit is the customer's preference for the laboratory.

Indoor temperature = 22°CDB
Indoor Relative Humidity (RH%) = 42%**
Sensible cooling demand (SHC) = 9 kW
Latent cooling demand (LC) = 0.9 kW
Total cooling demand (TC) = SHC + LC = 9.9 kW
Outdoor temperature operating range = -20°C ~ +40°C
Most stringent outdoor unit capacity condition = -20°C

SOLUTION

Boosted capacity indoor combination with 12.5kW outdoor system.

RZAG125 + FAA71x2
Total capacity = 10.39 kW
Sensible capacity = 9.34 kW
Power input = 0.46 x 2.65 = 1.22 kW

** System capacity at 42%RH (14.2°CWB) can be found by interpolation between 13°CWB (35%) and 15°CWB (48%).

Combination table for boosted capacity indoor systems

Infrastructure cooling combination table

		FTXM-R				FAA-B		FHA-A(9)							FBA-A(9)							FDXM-F9			FUA-A			FNA-A9			FVA-A				FFA-A9			FCAHG-H					FCAG-B						
capacity class		35	50	60	71	71	100	35	50	60	71	100	125	140	35	50	60	71	100	125	140	35	50	60	71	100	125	35	50	60	71	100	125	140	35	50	60	71	100	125	140	35	50	60	71	100	125	140
RZAG35A			P						P							P							P						P							P							P						
RZAG50A				P						P							P							P						P							P							P					
RZAG60A					P						P							P																											P				
RZAG71NV1	RZAG71NY1						P	3	2			P			3	2			P			3	2			P		3	2			P			3	2			P			3	2			P		
RZAG100NV1	RZAG100NY1					2		4	3		2			P	4	3		2			P	4	3		2			4	3				P	4	3		2			P	4	3		2			P
RZAG125NV1	RZAG125NY1					2		4	3		2			P	4	3		2			P	4	3		2			4	3				P	4	3		2			P	4	3		2			P
RZAG140NV1	RZAG140NY1					2		4	3		2			P	4	3		2			P	4	3		2			4	3				P	4	3		2			P	4	3		2			P

P = Pair, 2 = Twin, 3 = Triple, 4 = Double twin; For more information on infrastructure cooling options refer to infrastructure cooling catalogue.

Performance characteristics

for boosted capacity indoor combinations with most common indoor units

Boosted capacity indoor unit with 3.5kW outdoor system

RZAG35A / FTXM50N

Indoor temperature			Outdoor temperature [°C DB]																																						
			-20			-15			-10			-5			0			5			10			15			20			25			30			35			40		
RH	°EWB	°EDB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
%	°C	°C	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
41.8	11	18	2.91	2.91	0.26	2.91	2.91	0.28	2.91	2.91	0.30	2.91	2.91	0.33	2.91	2.91	0.36	2.91	2.91	0.39	2.91	2.91	0.42	2.91	2.91	0.49	2.91	2.91	0.57	2.91	2.91	0.64	2.91	2.91	0.72	2.85	2.85	0.80	2.69	2.69	0.86
57.0	13	18	3.51	2.70	0.34	3.51	2.70	0.37	3.51	2.70	0.40	3.51	2.70	0.43	3.51	2.70	0.47	3.51	2.70	0.50	3.51	2.70	0.50	3.51	2.70	0.56	3.51	2.70	0.62	3.34	2.62	0.68	3.18	2.54	0.74	3.02	2.46	0.80	2.85	2.38	0.86
31.4	11	20	2.90	2.90	0.26	2.90	2.90	0.28	2.90	2.90	0.30	2.90	2.90	0.33	2.90	2.90	0.36	2.90	2.90	0.39	2.90	2.90	0.42	2.90	2.90	0.49	2.90	2.90	0.57	2.90	2.90	0.64	2.90	2.90	0.72	2.85	2.85	0.80	2.69	2.69	0.86
44.9	13	20	3.51	3.15	0.34	3.51	3.15	0.37	3.51	3.15	0.40	3.51	3.15	0.43	3.51	3.15	0.47	3.51	3.15	0.50	3.51	3.15	0.50	3.51	3.15	0.56	3.51	3.15	0.62	3.34	3.07	0.68	3.18	3.00	0.74	3.02	2.92	0.80	2.85	2.84	0.86
52.0	14	20	3.59	2.90	0.44	3.59	2.90	0.47	3.59	2.90	0.50	3.59	2.90	0.50	3.59	2.90	0.50	3.59	2.90	0.50	3.59	2.90	0.50	3.59	2.90	0.56	3.59	2.90	0.62	3.42	2.83	0.68	3.26	2.75	0.74	3.10	2.68	0.80	2.93	2.60	0.86
22.9	11	22	2.89	2.89	0.25	2.89	2.89	0.28	2.89	2.89	0.30	2.89	2.89	0.33	2.89	2.89	0.36	2.89	2.89	0.39	2.89	2.89	0.42	2.89	2.89	0.49	2.89	2.89	0.56	2.89	2.89	0.64	2.89	2.89	0.72	2.85	2.85	0.80	2.69	2.69	0.86
34.8	13	22	3.51	3.51	0.34	3.51	3.51	0.37	3.51	3.51	0.40	3.51	3.51	0.43	3.51	3.51	0.47	3.51	3.51	0.50	3.51	3.51	0.50	3.51	3.51	0.56	3.51	3.51	0.62	3.34	3.34	0.68	3.18	3.18	0.74	3.02	3.02	0.80	2.85	2.85	0.86
47.6	15	22	3.67	3.11	0.50	3.67	3.11	0.50	3.67	3.11	0.50	3.67	3.11	0.50	3.67	3.11	0.50	3.67	3.11	0.50	3.67	3.11	0.50	3.67	3.11	0.56	3.67	3.11	0.62	3.50	3.04	0.68	3.34	2.96	0.74	3.18	2.89	0.80	3.01	2.82	0.86
54.3	16	22	3.75	2.86	0.51	3.75	2.86	0.51	3.75	2.86	0.51	3.75	2.86	0.51	3.75	2.86	0.51	3.75	2.86	0.51	3.75	2.86	0.51	3.75	2.86	0.57	3.75	2.86	0.62	3.58	2.78	0.68	3.42	2.71	0.74	3.26	2.64	0.80	3.10	2.57	0.86
21.2	12	24	3.42	3.42	0.29	3.42	3.42	0.31	3.42	3.42	0.34	3.42	3.42	0.37	3.42	3.42	0.40	3.42	3.42	0.43	3.42	3.42	0.47	3.42	3.42	0.54	3.42	3.42	0.62	3.26	3.26	0.68	3.10	3.10	0.74	2.94	2.94	0.80	2.77	2.77	0.86
32.1	14	24	3.59	3.59	0.44	3.59	3.59	0.47	3.59	3.59	0.50	3.59	3.59	0.50	3.59	3.59	0.50	3.59	3.59	0.50	3.59	3.59	0.50	3.59	3.59	0.56	3.59	3.59	0.62	3.42	3.42	0.68	3.26	3.26	0.74	3.10	3.10	0.80	2.93	2.93	0.86
43.8	16	24	3.75	3.31	0.51	3.75	3.31	0.51	3.75	3.31	0.51	3.75	3.31	0.51	3.75	3.31	0.51	3.75	3.31	0.51	3.75	3.31	0.51	3.75	3.31	0.57	3.75	3.31	0.62	3.58	3.24	0.68	3.42	3.17	0.74	3.26	3.10	0.80	3.10	3.03	0.86
50.0	17	24	3.83	3.06	0.51	3.83	3.06	0.51	3.83	3.06	0.51	3.83	3.06	0.51	3.83	3.06	0.51	3.83	3.06	0.51	3.83	3.06	0.51	3.83	3.06	0.57	3.83	3.06	0.63	3.66	2.99	0.69	3.50	2.92	0.75	3.34	2.85	0.81	3.18	2.78	0.87
21.5	14	27	3.59	3.59	0.44	3.59	3.59	0.47	3.59	3.59	0.50	3.59	3.59	0.50	3.59	3.59	0.50	3.59	3.59	0.50	3.59	3.59	0.50	3.59	3.59	0.56	3.59	3.59	0.62	3.42	3.42	0.68	3.26	3.26	0.74	3.10	3.10	0.80	2.93	2.93	0.86
26.3	15	27	3.67	3.67	0.50	3.67	3.67	0.50	3.67	3.67	0.50	3.67	3.67	0.50	3.67	3.67	0.50	3.67	3.67	0.50	3.67	3.67	0.50	3.67	3.67	0.56	3.67	3.67	0.62	3.50	3.50	0.68	3.34	3.34	0.74	3.18	3.18	0.80	3.01	3.01	0.86
31.3	16	27	3.75	3.75	0.51	3.75	3.75	0.51	3.75	3.75	0.51	3.75	3.75	0.51	3.75	3.75	0.51	3.75	3.75	0.51	3.75	3.75	0.51	3.75	3.75	0.57	3.75	3.75	0.62	3.58	3.58	0.68	3.42	3.42	0.74	3.26	3.26	0.80	3.10	3.10	0.86

3D122105A

RZAG35A / FHA50A9

Indoor			Outdoor temperature [°C DB]																																						
			-20			-15			-10			-5			0			5			10			15			20			25			30			35			40		
RH	°EWB	°EDB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
%	°C	°C	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-
41.8	11	18	3.34	3.34	0.22	3.34	3.34	0.24	3.34	3.34	0.27	3.34	3.34	0.29	3.34	3.34	0.32	3.34	3.34	0.35	3.34	3.34	0.41	3.34	3.34	0.47	3.34	3.34	0.53	3.18	3.18	0.58	3.02	3.02	0.63	2.85	2.85	0.68	2.69	2.69	0.73
57.0	13		3.51	2.88	0.35	3.51	2.88	0.38	3.51	2.88	0.38	3.51	2.88	0.38	3.51	2.88	0.38	3.51	2.88	0.38	3.51	2.88	0.43	3.51	2.88	0.48	3.51	2.88	0.53	3.34	2.80	0.58	3.18	2.73	0.63	3.02	2.65	0.68	2.85	2.58	0.74
31.4	11	20	3.34	3.34	0.22	3.34	3.34	0.24	3.34	3.34	0.27	3.34	3.34	0.29	3.34	3.34	0.32	3.34	3.34	0.35	3.34	3.34	0.41	3.34	3.34	0.47	3.34	3.34	0.53	3.18	3.18	0.58	3.02	3.02	0.63	2.85	2.85	0.68	2.69	2.69	0.73
44.9	13		3.51	3.42	0.35	3.51	3.42	0.38	3.51	3.42	0.38	3.51	3.42	0.38	3.51	3.42	0.38	3.51	3.42	0.38	3.51	3.42	0.43	3.51	3.42	0.48	3.51	3.42	0.53	3.34	3.34	0.58	3.18	3.18	0.63	3.02	3.02	0.68	2.85	2.85	0.74
52.0	14		3.59	3.13	0.43	3.59	3.13	0.43	3.59	3.13	0.43	3.59	3.13	0.43	3.59	3.13	0.43	3.59	3.13	0.43	3.59	3.13	0.43	3.59	3.13	0.48	3.59	3.13	0.53	3.42	3.06	0.58	3.26	2.98	0.63	3.10	2.91	0.69	2.93	2.84	0.74
22.9	11	22	3.34	3.34	0.22	3.34	3.34	0.24	3.34	3.34	0.26	3.34	3.34	0.29	3.34	3.34	0.32	3.34	3.34	0.35	3.34	3.34	0.41	3.34	3.34	0.47	3.34	3.34	0.53	3.18	3.18	0.58	3.02	3.02	0.63	2.85	2.85	0.68	2.69	2.69	0.73
34.8	13		3.51	3.51	0.35	3.51	3.51	0.38	3.51	3.51	0.38	3.51	3.51	0.38	3.51	3.51	0.38	3.51	3.51	0.38	3.51	3.51	0.43	3.51	3.51	0.48	3.51	3.51	0.53	3.34	3.34	0.58	3.18	3.18	0.63	3.02	3.02	0.68	2.85	2.85	0.74
47.6	15		3.67	3.38	0.43	3.67	3.38	0.43	3.67	3.38	0.43	3.67	3.38	0.43	3.67	3.38	0.43	3.67	3.38	0.43	3.67	3.38	0.43	3.67	3.38	0.48	3.67	3.38	0.53	3.50	3.31	0.58	3.34	3.23	0.64	3.18	3.16	0.69	3.01	3.01	0.74
54.3	16		3.75	3.08	0.43	3.75	3.08	0.43	3.75	3.08	0.43	3.75	3.08	0.43	3.75	3.08	0.43	3.75	3.08	0.43	3.75	3.08	0.43	3.75	3.08	0.48	3.75	3.08	0.53	3.58	3.01	0.59	3.42	2.94	0.64	3.26	2.87	0.69	3.10	2.81	0.74
21.2	12	24	3.42	3.42	0.24	3.42	3.42	0.26	3.42	3.42	0.29	3.42	3.42	0.32	3.42	3.42	0.35	3.42	3.42	0.37	3.42	3.42	0.43	3.42	3.42	0.48	3.42	3.42	0.53	3.26	3.26	0.58	3.10	3.10	0.63	2.94	2.94	0.68	2.77	2.77	0.73
32.1	14		3.59	3.59	0.43	3.59	3.59	0.43	3.59	3.59	0.43	3.59	3.59	0.43	3.59	3.59	0.43	3.59	3.59	0.43	3.59	3.59	0.43	3.59	3.59	0.48	3.59	3.59	0.53	3.42	3.42	0.58	3.26	3.26	0.63	3.10	3.10	0.69	2.93	2.93	0.74
43.8	16		3.75	3.62	0.43	3.75	3.62	0.43	3.75	3.62	0.43	3.75	3.62	0.43	3.75	3.62	0.43	3.75	3.62	0.43	3.75	3.62	0.43	3.75	3.62	0.48	3.75	3.62	0.53	3.58	3.55	0.59	3.42	3.42	0.64	3.26	3.26	0.69	3.10	3.10	0.74
50.0	17		3.83	3.32	0.43	3.83	3.32	0.43	3.83	3.32	0.43	3.83	3.32	0.43	3.83	3.32	0.43	3.83	3.32	0.43	3.83	3.32	0.43	3.83	3.32	0.49	3.83	3.32	0.54	3.66	3.26	0.59	3.50	3.19	0.64	3.34	3.12	0.69	3.18	3.06	0.74
21.5	14	27	3.59	3.59	0.38	3.59	3.59	0.38	3.59	3.59	0.38	3.59	3.59	0.38	3.59	3.59	0.38	3.59	3.59	0.38	3.59	3.59	0.43	3.59	3.59	0.48	3.59	3.59	0.53	3.42	3.42	0.58	3.26	3.26	0.63	3.10	3.10	0.69	2.93	2.93	0.74
26.3	15		3.67	3.67	0.43	3.67	3.67	0.43	3.67	3.67	0.43	3.67	3.67	0.43	3.67	3.67	0.43	3.67	3.67	0.43	3.67	3.67	0.43	3.67	3.67	0.48	3.67	3.67	0.53	3.50	3.50	0.58	3.34	3.34	0.64	3.18	3.18	0.69	3.01	3.01	0.74
31.3	16		3.75	3.75	0.43	3.75	3.75	0.43	3.75	3.75	0.43	3.75	3.75	0.43	3.75	3.75	0.43	3.75	3.75	0.43	3.75	3.75	0.43	3.75	3.75	0.48	3.75	3.75	0.53	3.58	3.58	0.59	3.42	3.42	0.64	3.26	3.26	0.69	3.10	3.10	0.74

3D120440B

RZAG35A / FBA50A9

Indoor			Outdoor temperature [°C DB]																																						
			-20			-15			-10			-5			0			5			10			15			20			25			30			35			40		
RH	°EWB	°EDB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
%	°C	°C	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-
41.8	11	18	3.34	3.34	0.25	3.34	3.34	0.27	3.34	3.34	0.30	3.34	3.34	0.33	3.34	3.34	0.36	3.34	3.34	0.39	3.34	3.34	0.46	3.34	3.34	0.52	3.34	3.34	0.58	3.18	3.18	0.63	3.02	3.02	0.69	2.85	2.85	0.74	2.69	2.69	0.80
57.0	13		3.51	2.92	0.41	3.51	2.92	0.41	3.51	2.92	0.41	3.51	2.92	0.41	3.51	2.92	0.41	3.51	2.92	0.41	3.51	2.92	0.47	3.51	2.92	0.52	3.51	2.92	0.58	3.34	2.85	0.64	3.18	2.77	0.69	3.02	2.69	0.75	2.85	2.62	0.80
31.4	11	20	3.34	3.34	0.25	3.34	3.34	0.27	3.34	3.34	0.30	3.34	3.34	0.33	3.34	3.34	0.36	3.34	3.34	0.39	3.34	3.34	0.46	3.34	3.34	0.52	3.34	3.34	0.58	3.18	3.18	0.63	3.02	3.02	0.69	2.85	2.85	0.74	2.69	2.69	0.80
44.9	13		3.51	3.48	0.41	3.51	3.48	0.41	3.51	3.48	0.41	3.51	3.48	0.41	3.51	3.48	0.41	3.51	3.48	0.41	3.51	3.48	0.47	3.51	3.48	0.52	3.51	3.48	0.58	3.34	3.34	0.64	3.18	3.18	0.69	3.02	3.02	0.75	2.85	2.85	0.80
52.0	14		3.59	3.18	0.47	3.59	3.18	0.47	3.59	3.18	0.47	3.59	3.18	0.47	3.59	3.18	0.47	3.59	3.18	0.47	3.59	3.18	0.47	3.59	3.18	0.53	3.59	3.18	0.58	3.42	3.11	0.64	3.26	3.03	0.69	3.10	2.96	0.75	2.93	2.89	0.81
22.9	11	22	3.34	3.34	0.24	3.34	3.34	0.27	3.34	3.34	0.30	3.34	3.34	0.33	3.34	3.34	0.36	3.34	3.34	0.39	3.34	3.34	0.46	3.34	3.34	0.52	3.34	3.34	0.58	3.18	3.18	0.63	3.02	3.02	0.69	2.85	2.85	0.74	2.69	2.69	0.80
34.8	13		3.51	3.51	0.41	3.51	3.51	0.41	3.51	3.51	0.41	3.51	3.51	0.41	3.51	3.51	0.41	3.51	3.51	0.41	3.51	3.51	0.47	3.51	3.51	0.52	3.51	3.51	0.58	3.34	3.34	0.64	3.18	3.18	0.69	3.02	3.02	0.75	2.85	2.85	0.80
47.6	15		3.67	3.44	0.47	3.67	3.44	0.47	3.67	3.44	0.47	3.67	3.44	0.47	3.67	3.44	0.47	3.67	3.44	0.47	3.67	3.44	0.47	3.67	3.44	0.53	3.67	3.44	0.58	3.50	3.37	0.64	3.34	3.29	0.70	3.18	3.18	0.75	3.01	3.01	0.81
54.3	16		3.75	3.13	0.47	3.75	3.13	0.47	3.75	3.13	0.47	3.75	3.13	0.47	3.75	3.13	0.47	3.75	3.13	0.47	3.75	3.13	0.47	3.75	3.13	0.53	3.75	3.13	0.58	3.58	3.06	0.64	3.42	2.99	0.70	3.26	2.92	0.75	3.10	2.86	0.81
21.2	12	24	3.42	3.42	0.29	3.42	3.42	0.32	3.42	3.42	0.35	3.42	3.42	0.38	3.42	3.42	0.41	3.42	3.42	0.41	3.42	3.42	0.47	3.42	3.42	0.52	3.42	3.42	0.58	3.26	3.26	0.63	3.10	3.10	0.69	2.94	2.94	0.75	2.77	2.77	0.80
32.1	14		3.59	3.59	0.47	3.59	3.59	0.47	3.59	3.59	0.47	3.59	3.59	0.47	3.59	3.59	0.47	3.59	3.59	0.47	3.59	3.59	0.47	3.59	3.59	0.53	3.59	3.59	0.58	3.42	3.42	0.64	3.26	3.26	0.69	3.10	3.10	0.75	2.93	2.93	0.81
43.8	16		3.75	3.69	0.47	3.75	3.69	0.47	3.75	3.69	0.47	3.75	3.69	0.47	3.75	3.69	0.47	3.75	3.69	0.47	3.75	3.69	0.47	3.75	3.69	0.53	3.75	3.69	0.58	3.58	3.58	0.64	3.42	3.42	0.70	3.26	3.26	0.75	3.10	3.10	0.81
50.0	17		3.83	3.38	0.47	3.83	3.38	0.47	3.83	3.38	0.47	3.83	3.38	0.47	3.83	3.38	0.47	3.83	3.38	0.47	3.83	3.38	0.47	3.83	3.38	0.53	3.83	3.38	0.59	3.66	3.32	0.64	3.50	3.25	0.70	3.34	3.18	0.75	3.18	3.12	0.81
21.5	14	27	3.59	3.59	0.47	3.59	3.59	0.47	3.59	3.59	0.47	3.59	3.59	0.47	3.59	3.59	0.47	3.59	3.59	0.47	3.59	3.59	0.47	3.59	3.59	0.53	3.59	3.59	0.58	3.42	3.42	0.64	3.26	3.26	0.69	3.10	3.10	0.75	2.93	2.93	0.81
26.3	15		3.67	3.67	0.47	3.67	3.67	0.47	3.67	3.67	0.47	3.67	3.67	0.47	3.67	3.67	0.47	3.67	3.67	0.47	3.67	3.67	0.47	3.67	3.67	0.53	3.67	3.67	0.58	3.50	3.50	0.64	3.34	3.34	0.70	3.18	3.18	0.75	3.01	3.01	0.81
31.3	16		3.75	3.75	0.47	3.75	3.75	0.47	3.75	3.75	0.47	3.75	3.75	0.47	3.75	3.75	0.47	3.75	3.75	0.47	3.75	3.75	0.47	3.75	3.75	0.53	3.75	3.75	0.58	3.58	3.58	0.64	3.42	3.42	0.70	3.26	3.26	0.75	3.10	3.10	0.81

3D120432

Symbols

TC	: Total capacity	[kW]
SHC	: Sensible heat capacity	[kW]
PI	: Power input	[kW]
RH	: Relative humidity	[%]
EWB	: Entering wet-bulb temperature	[°C WB]
EDB	: Entering dry-bulb temperature	[°C DB]

Notes

1. The ratings shown are net capacities which include a deduction for indoor fan motor heat.
2. When the system performs indoor de-icing operation, these net capacities may change.
3. The total capacity, power input and sensible heat capacity must be calculated by interpolation using the figures in the table (figures not in the table may not be used in the calculation).
4. The capacities are based on the following conditions:
   › Corresponding refrigerant piping length: 5.0 m
   › Level difference: 0 m

Boosted capacity indoor unit with 5kW outdoor system

RZAG50A / FTXM60N

Indoor temperature			Outdoor temperature [°C DB]																																						
			-20			-15			-10			-5			0			5			10			15			20			25			30			35			40		
RH	°EWB	°EDB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
%	°C	°C	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-
41.8	11	18	3.34	3.34	0.25	3.34	3.34	0.27	3.34	3.34	0.30	3.34	3.34	0.33	3.34	3.34	0.36	3.34	3.34	0.39	3.34	3.34	0.46	3.34	3.34	0.52	3.34	3.34	0.58	3.18	3.18	0.63	3.02	3.02	0.69	2.85	2.85	0.74	2.69	2.69	0.80
57.0	13		4.54	3.33	0.46	4.54	3.33	0.50	4.54	3.33	0.55	4.54	3.33	0.60	4.54	3.33	0.65	4.54	3.33	0.71	4.54	3.33	0.76	4.54	3.33	0.86	4.54	3.33	0.95	4.54	3.33	1.04	4.54	3.33	1.13	4.31	3.21	1.22	4.08	3.10	1.32
31.4	11	20	3.26	3.26	0.44	3.26	3.26	0.47	3.26	3.26	0.51	3.26	3.26	0.56	3.26	3.26	0.62	3.26	3.26	0.68	3.26	3.26	0.75	3.26	3.26	0.85	3.26	3.26	0.94	3.26	3.26	1.03	3.26	3.26	1.13	3.26	3.26	1.22	3.26	3.26	1.31
44.9	13		4.52	3.84	0.46	4.52	3.84	0.50	4.52	3.84	0.55	4.52	3.84	0.60	4.52	3.84	0.65	4.52	3.84	0.71	4.52	3.84	0.76	4.52	3.84	0.86	4.52	3.84	0.95	4.52	3.84	1.04	4.52	3.84	1.13	4.31	3.73	1.22	4.08	3.61	1.32
52.0	14		5.12	3.80	0.47	5.12	3.80	0.52	5.12	3.80	0.56	5.12	3.80	0.61	5.12	3.80	0.66	5.12	3.80	0.72	5.12	3.80	0.77	5.12	3.80	0.86	5.12	3.80	0.95	4.89	3.68	1.04	4.66	3.57	1.13	4.42	3.45	1.23	4.19	3.34	1.32
22.9	11	22	3.25	3.25	0.44	3.25	3.25	0.47	3.25	3.25	0.51	3.25	3.25	0.56	3.25	3.25	0.62	3.25	3.25	0.68	3.25	3.25	0.75	3.25	3.25	0.85	3.25	3.25	0.94	3.25	3.25	1.03	3.25	3.25	1.13	3.25	3.25	1.22	3.25	3.25	1.31
34.8	13		4.51	4.34	0.46	4.51	4.34	0.50	4.51	4.34	0.55	4.51	4.34	0.60	4.51	4.34	0.65	4.51	4.34	0.71	4.51	4.34	0.76	4.51	4.34	0.86	4.51	4.34	0.95	4.51	4.34	1.04	4.51	4.34	1.13	4.31	4.24	1.22	4.08	4.08	1.32
47.6	15		5.24	4.02	0.48	5.24	4.02	0.53	5.24	4.02	0.58	5.24	4.02	0.63	5.24	4.02	0.68	5.24	4.02	0.72	5.24	4.02	0.77	5.24	4.02	0.86	5.24	4.02	0.95	5.00	3.91	1.05	4.77	3.80	1.14	4.54	3.69	1.23	4.31	3.58	1.32
54.3	16		5.35	3.73	0.63	5.35	3.73	0.68	5.35	3.73	0.73	5.35	3.73	0.77	5.35	3.73	0.77	5.35	3.73	0.77	5.35	3.73	0.77	5.35	3.73	0.87	5.35	3.73	0.96	5.12	3.62	1.05	4.89	3.51	1.14	4.65	3.41	1.23	4.42	3.30	1.32
21.2	12	24	3.86	3.86	0.45	3.86	3.86	0.49	3.86	3.86	0.53	3.86	3.86	0.58	3.86	3.86	0.64	3.86	3.86	0.70	3.86	3.86	0.76	3.86	3.86	0.85	3.86	3.86	0.95	3.86	3.86	1.04	3.86	3.86	1.13	3.86	3.86	1.22	3.86	3.86	1.31
32.1	14		5.12	4.83	0.47	5.12	4.83	0.51	5.12	4.83	0.56	5.12	4.83	0.61	5.12	4.83	0.66	5.12	4.83	0.72	5.12	4.83	0.77	5.12	4.83	0.86	5.12	4.83	0.95	4.89	4.71	1.04	4.66	4.60	1.13	4.42	4.42	1.23	4.19	4.19	1.32
43.8	16		5.35	4.25	0.63	5.35	4.25	0.68	5.35	4.25	0.73	5.35	4.25	0.77	5.35	4.25	0.77	5.35	4.25	0.77	5.35	4.25	0.77	5.35	4.25	0.87	5.35	4.25	0.96	5.12	4.14	1.05	4.89	4.03	1.14	4.65	3.92	1.23	4.42	3.82	1.32
50.0	17		5.47	3.95	0.78	5.47	3.95	0.78	5.47	3.95	0.78	5.47	3.95	0.78	5.47	3.95	0.78	5.47	3.95	0.78	5.47	3.95	0.78	5.47	3.95	0.87	5.47	3.95	0.96	5.24	3.85	1.05	5.00	3.74	1.14	4.77	3.64	1.23	4.54	3.54	1.33
21.5	14	27	5.12	5.12	0.47	5.12	5.12	0.51	5.12	5.12	0.56	5.12	5.12	0.61	5.12	5.12	0.66	5.12	5.12	0.72	5.12	5.12	0.77	5.12	5.12	0.86	5.12	5.12	0.95	4.89	4.89	1.04	4.66	4.66	1.13	4.42	4.42	1.23	4.19	4.19	1.32
26.3	15		5.24	5.24	0.48	5.24	5.24	0.53	5.24	5.24	0.58	5.24	5.24	0.63	5.24	5.24	0.68	5.24	5.24	0.72	5.24	5.24	0.77	5.24	5.24	0.86	5.24	5.24	0.95	5.00	5.00	1.05	4.77	4.77	1.14	4.54	4.54	1.23	4.31	4.31	1.32
31.3	16		5.35	5.02	0.63	5.35	5.02	0.68	5.35	5.02	0.72	5.35	5.02	0.77	5.35	5.02	0.77	5.35	5.02	0.77	5.35	5.02	0.77	5.35	5.02	0.87	5.35	5.02	0.96	5.12	4.91	1.05	4.89	4.80	1.14	4.65	4.65	1.23	4.42	4.42	1.32

3D122107A

RZAG50A / FHA60A9

Indoor			Outdoor temperature [°C DB]																																						
			-20			-15			-10			-5			0			5			10			15			20			25			30			35			40		
RH	°EWB	°EDB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
%	°C	°C	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-
41.8	11	18	3.34	3.34	0.25	3.34	3.34	0.27	3.34	3.34	0.30	3.34	3.34	0.33	3.34	3.34	0.36	3.34	3.34	0.39	3.34	3.34	0.46	3.34	3.34	0.52	3.34	3.34	0.58	3.18	3.18	0.63	3.02	3.02	0.69	2.85	2.85	0.74	2.69	2.69	0.80
57.0	13		5.01	3.81	0.40	5.01	3.81	0.44	5.01	3.81	0.49	5.01	3.81	0.53	5.01	3.81	0.58	5.01	3.81	0.63	5.01	3.81	0.73	5.01	3.81	0.82	5.01	3.81	0.90	4.77	3.69	0.99	4.54	3.58	1.08	4.31	3.47	1.16	4.08	3.36	1.25
31.4	11	20	4.02	4.02	0.32	4.02	4.02	0.35	4.02	4.02	0.39	4.02	4.02	0.43	4.02	4.02	0.47	4.02	4.02	0.51	4.02	4.02	0.61	4.02	4.02	0.71	4.02	4.02	0.82	4.02	4.02	0.93	4.02	4.02	1.04	4.02	4.02	1.15	3.85	3.85	1.25
44.9	13		5.01	4.44	0.40	5.01	4.44	0.44	5.01	4.44	0.49	5.01	4.44	0.53	5.01	4.44	0.58	5.01	4.44	0.63	5.01	4.44	0.73	5.01	4.44	0.82	5.01	4.44	0.90	4.77	4.33	0.99	4.54	4.21	1.08	4.31	4.10	1.16	4.08	3.99	1.25
52.0	14		5.12	4.10	0.50	5.12	4.10	0.55	5.12	4.10	0.60	5.12	4.10	0.64	5.12	4.10	0.64	5.12	4.10	0.64	5.12	4.10	0.73	5.12	4.10	0.82	5.12	4.10	0.91	4.89	3.99	0.99	4.66	3.88	1.08	4.42	3.77	1.17	4.19	3.66	1.25
22.9	11	22	4.01	4.01	0.32	4.01	4.01	0.35	4.01	4.01	0.39	4.01	4.01	0.43	4.01	4.01	0.47	4.01	4.01	0.51	4.01	4.01	0.61	4.01	4.01	0.71	4.01	4.01	0.82	4.01	4.01	0.93	4.01	4.01	1.04	4.01	4.01	1.15	3.85	3.85	1.25
34.8	13		5.01	5.01	0.40	5.01	5.01	0.44	5.01	5.01	0.48	5.01	5.01	0.53	5.01	5.01	0.58	5.01	5.01	0.63	5.01	5.01	0.73	5.01	5.01	0.82	5.01	5.01	0.90	4.77	4.77	0.99	4.54	4.54	1.08	4.31	4.31	1.16	4.08	4.08	1.25
47.6	15		5.24	4.38	0.65	5.24	4.38	0.65	5.24	4.38	0.65	5.24	4.38	0.65	5.24	4.38	0.65	5.24	4.38	0.65	5.24	4.38	0.73	5.24	4.38	0.82	5.24	4.38	0.91	5.00	4.27	1.00	4.77	4.17	1.08	4.54	4.06	1.17	4.31	3.96	1.26
54.3	16		5.35	4.03	0.74	5.35	4.03	0.74	5.35	4.03	0.74	5.35	4.03	0.74	5.35	4.03	0.74	5.35	4.03	0.74	5.35	4.03	0.74	5.35	4.03	0.82	5.35	4.03	0.91	5.12	3.92	1.00	4.89	3.82	1.08	4.65	3.72	1.17	4.42	3.62	1.26
21.2	12	24	4.76	4.76	0.36	4.76	4.76	0.40	4.76	4.76	0.44	4.76	4.76	0.48	4.76	4.76	0.52	4.76	4.76	0.57	4.76	4.76	0.67	4.76	4.76	0.78	4.76	4.76	0.89	4.66	4.66	0.99	4.43	4.43	1.07	4.19	4.19	1.16	3.96	3.96	1.25
32.1	14		5.12	5.12	0.50	5.12	5.12	0.55	5.12	5.12	0.60	5.12	5.12	0.64	5.12	5.12	0.64	5.12	5.12	0.64	5.12	5.12	0.73	5.12	5.12	0.82	5.12	5.12	0.91	4.89	4.89	0.99	4.66	4.66	1.08	4.42	4.42	1.17	4.19	4.19	1.25
43.8	16		5.35	4.66	0.74	5.35	4.66	0.74	5.35	4.66	0.74	5.35	4.66	0.74	5.35	4.66	0.74	5.35	4.66	0.74	5.35	4.66	0.74	5.35	4.66	0.82	5.35	4.66	0.91	5.12	4.56	1.00	4.89	4.46	1.08	4.65	4.35	1.17	4.42	4.25	1.26
50.0	17		5.47	4.30	0.74	5.47	4.30	0.74	5.47	4.30	0.74	5.47	4.30	0.74	5.47	4.30	0.74	5.47	4.30	0.74	5.47	4.30	0.74	5.47	4.30	0.83	5.47	4.30	0.91	5.24	4.20	1.00	5.00	4.11	1.09	4.77	4.01	1.17	4.54	3.91	1.26
21.5	14	27	5.12	5.12	0.50	5.12	5.12	0.55	5.12	5.12	0.60	5.12	5.12	0.64	5.12	5.12	0.64	5.12	5.12	0.64	5.12	5.12	0.73	5.12	5.12	0.82	5.12	5.12	0.91	4.89	4.89	0.99	4.66	4.66	1.08	4.42	4.42	1.17	4.19	4.19	1.25
26.3	15		5.24	5.24	0.65	5.24	5.24	0.65	5.24	5.24	0.65	5.24	5.24	0.65	5.24	5.24	0.65	5.24	5.24	0.65	5.24	5.24	0.73	5.24	5.24	0.82	5.24	5.24	0.91	5.00	5.00	1.00	4.77	4.77	1.08	4.54	4.54	1.17	4.31	4.31	1.26
31.3	16		5.35	5.35	0.74	5.35	5.35	0.74	5.35	5.35	0.74	5.35	5.35	0.74	5.35	5.35	0.74	5.35	5.35	0.74	5.35	5.35	0.74	5.35	5.35	0.82	5.35	5.35	0.91	5.12	5.12	1.00	4.89	4.89	1.08	4.65	4.65	1.17	4.42	4.42	1.26

3D120441B

RZAG50A / FBA60A9

Indoor			Outdoor temperature [°C DB]																																						
			-20			-15			-10			-5			0			5			10			15			20			25			30			35			40		
RH	°EWB	°EDB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
%	°C	°C	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-
41.8	11	18	3.34	3.34	0.25	3.34	3.34	0.27	3.34	3.34	0.30	3.34	3.34	0.33	3.34	3.34	0.36	3.34	3.34	0.39	3.34	3.34	0.46	3.34	3.34	0.52	3.34	3.34	0.58	3.18	3.18	0.63	3.02	3.02	0.69	2.85	2.85	0.74	2.69	2.69	0.80
57.0	13		5.01	3.81	0.41	5.01	3.81	0.46	5.01	3.81	0.50	5.01	3.81	0.55	5.01	3.81	0.60	5.01	3.81	0.65	5.01	3.81	0.75	5.01	3.81	0.84	5.01	3.81	0.93	4.77	3.70	1.02	4.54	3.59	1.11	4.31	3.47	1.20	4.08	3.36	1.29
31.4	11	20	4.03	4.03	0.33	4.03	4.03	0.36	4.03	4.03	0.40	4.03	4.03	0.44	4.03	4.03	0.48	4.03	4.03	0.53	4.03	4.03	0.62	4.03	4.03	0.73	4.03	4.03	0.84	4.03	4.03	0.95	4.03	4.03	1.07	4.03	4.03	1.19	3.85	3.85	1.28
44.9	13		5.01	4.45	0.41	5.01	4.45	0.46	5.01	4.45	0.50	5.01	4.45	0.55	5.01	4.45	0.60	5.01	4.45	0.65	5.01	4.45	0.75	5.01	4.45	0.84	5.01	4.45	0.93	4.77	4.34	1.02	4.54	4.22	1.11	4.31	4.11	1.20	4.08	4.00	1.29
52.0	14		5.12	4.10	0.52	5.12	4.10	0.57	5.12	4.10	0.62	5.12	4.10	0.66	5.12	4.10	0.66	5.12	4.10	0.66	5.12	4.10	0.75	5.12	4.10	0.84	5.12	4.10	0.93	4.89	3.99	1.02	4.66	3.88	1.11	4.42	3.77	1.20	4.19	3.67	1.29
22.9	11	22	4.02	4.02	0.33	4.02	4.02	0.36	4.02	4.02	0.40	4.02	4.02	0.44	4.02	4.02	0.48	4.02	4.02	0.52	4.02	4.02	0.62	4.02	4.02	0.73	4.02	4.02	0.84	4.02	4.02	0.95	4.02	4.02	1.07	4.02	4.02	1.19	3.85	3.85	1.28
34.8	13		5.01	5.01	0.41	5.01	5.01	0.46	5.01	5.01	0.50	5.01	5.01	0.55	5.01	5.01	0.60	5.01	5.01	0.65	5.01	5.01	0.75	5.01	5.01	0.84	5.01	5.01	0.93	4.77	4.77	1.02	4.54	4.54	1.11	4.31	4.31	1.20	4.08	4.08	1.29
47.6	15		5.24	4.39	0.67	5.24	4.39	0.67	5.24	4.39	0.67	5.24	4.39	0.67	5.24	4.39	0.67	5.24	4.39	0.67	5.24	4.39	0.76	5.24	4.39	0.85	5.24	4.39	0.94	5.00	4.28	1.03	4.77	4.17	1.12	4.54	4.07	1.21	4.31	3.97	1.30
54.3	16		5.35	4.03	0.76	5.35	4.03	0.76	5.35	4.03	0.76	5.35	4.03	0.76	5.35	4.03	0.76	5.35	4.03	0.76	5.35	4.03	0.76	5.35	4.03	0.85	5.35	4.03	0.94	5.12	3.93	1.03	4.89	3.83	1.12	4.65	3.73	1.21	4.42	3.63	1.30
21.2	12	24	4.78	4.78	0.37	4.78	4.78	0.41	4.78	4.78	0.45	4.78	4.78	0.49	4.78	4.78	0.54	4.78	4.78	0.59	4.78	4.78	0.69	4.78	4.78	0.80	4.78	4.78	0.92	4.66	4.66	1.02	4.43	4.43	1.11	4.19	4.19	1.20	3.96	3.96	1.29
32.1	14		5.12	5.12	0.52	5.12	5.12	0.57	5.12	5.12	0.62	5.12	5.12	0.66	5.12	5.12	0.66	5.12	5.12	0.66	5.12	5.12	0.75	5.12	5.12	0.84	5.12	5.12	0.93	4.89	4.89	1.02	4.66	4.66	1.11	4.42	4.42	1.20	4.19	4.19	1.29
43.8	16		5.35	4.67	0.76	5.35	4.67	0.76	5.35	4.67	0.76	5.35	4.67	0.76	5.35	4.67	0.76	5.35	4.67	0.76	5.35	4.67	0.76	5.35	4.67	0.85	5.35	4.67	0.94	5.12	4.57	1.03	4.89	4.46	1.12	4.65	4.36	1.21	4.42	4.26	1.30
50.0	17		5.47	4.31	0.76	5.47	4.31	0.76	5.47	4.31	0.76	5.47	4.31	0.76	5.47	4.31	0.76	5.47	4.31	0.76	5.47	4.31	0.76	5.47	4.31	0.85	5.47	4.31	0.94	5.24	4.21	1.03	5.00	4.11	1.12	4.77	4.02	1.21	4.54	3.92	1.30
21.5	14	27	5.12	5.12	0.52	5.12	5.12	0.57	5.12	5.12	0.61	5.12	5.12	0.66	5.12	5.12	0.66	5.12	5.12	0.66	5.12	5.12	0.75	5.12	5.12	0.84	5.12	5.12	0.93	4.89	4.89	1.02	4.66	4.66	1.11	4.42	4.42	1.20	4.19	4.19	1.29
26.3	15		5.24	5.24	0.67	5.24	5.24	0.67	5.24	5.24	0.67	5.24	5.24	0.67	5.24	5.24	0.67	5.24	5.24	0.67	5.24	5.24	0.76	5.24	5.24	0.85	5.24	5.24	0.94	5.00	5.00	1.03	4.77	4.77	1.12	4.54	4.54	1.21	4.31	4.31	1.30
31.3	16		5.35	5.35	0.76	5.35	5.35	0.76	5.35	5.35	0.76	5.35	5.35	0.76	5.35	5.35	0.76	5.35	5.35	0.76	5.35	5.35	0.76	5.35	5.35	0.85	5.35	5.35	0.94	5.12	5.12	1.03	4.89	4.89	1.12	4.65	4.65	1.21	4.42	4.42	1.30

3D120433

Boosted capacity indoor unit with 6kW outdoor system

RZAG60A / FTXM71N

Indoor			Outdoor temperature [°C DB]																																									
			-20			-15			-10			-5			0			5			10			15			20			25			30			35			40		
RH	°EWB	°EDB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
%	°C	°C	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-
41.8	11	18	3.91	3.91	0.46	3.91	3.91	0.50	3.91	3.91	0.55	3.91	3.91	0.60	3.91	3.91	0.65	3.91	3.91	0.71	3.91	3.91	0.78	3.91	3.91	0.92	3.91	3.91	1.07	3.91	3.91	1.22	3.91	3.91	1.39	3.91	3.91	1.56	3.91	3.91	1.72			
57.0	13		5.43	3.98	0.57	5.43	3.98	0.62	5.43	3.98	0.68	5.43	3.98	0.74	5.43	3.98	0.80	5.43	3.98	0.87	5.43	3.98	0.94	5.43	3.98	1.09	5.43	3.98	1.25	5.43	3.98	1.40	5.43	3.98	1.56	5.17	3.85	1.69	4.89	3.71	1.81			
31.4	11	20	3.90	3.90	0.46	3.90	3.90	0.50	3.90	3.90	0.55	3.90	3.90	0.60	3.90	3.90	0.65	3.90	3.90	0.71	3.90	3.90	0.78	3.90	3.90	0.92	3.90	3.90	1.07	3.90	3.90	1.22	3.90	3.90	1.39	3.90	3.90	1.55	3.90	3.90	1.72			
44.9	13		5.41	4.59	0.57	5.41	4.59	0.62	5.41	4.59	0.68	5.41	4.59	0.74	5.41	4.59	0.80	5.41	4.59	0.87	5.41	4.59	0.94	5.41	4.59	1.09	5.41	4.59	1.24	5.41	4.59	1.40	5.41	4.59	1.56	5.17	4.47	1.69	4.89	4.33	1.81			
52.0	14		6.15	4.55	0.62	6.15	4.55	0.68	6.15	4.55	0.74	6.15	4.55	0.80	6.15	4.55	0.87	6.15	4.55	0.94	6.15	4.55	1.01	6.15	4.55	1.16	6.15	4.55	1.31	5.87	4.41	1.44	5.59	4.28	1.56	5.31	4.14	1.69	5.03	4.00	1.82			
22.9	11	22	3.89	3.89	0.46	3.89	3.89	0.50	3.89	3.89	0.55	3.89	3.89	0.59	3.89	3.89	0.65	3.89	3.89	0.71	3.89	3.89	0.77	3.89	3.89	0.91	3.89	3.89	1.06	3.89	3.89	1.22	3.89	3.89	1.39	3.89	3.89	1.55	3.89	3.89	1.72			
34.8	13		5.40	5.20	0.57	5.40	5.20	0.62	5.40	5.20	0.68	5.40	5.20	0.74	5.40	5.20	0.80	5.40	5.20	0.87	5.40	5.20	0.94	5.40	5.20	1.09	5.40	5.20	1.24	5.40	5.20	1.40	5.40	5.20	1.56	5.17	5.08	1.69	4.89	4.89	1.81			
47.6	15		6.29	4.82	0.66	6.29	4.82	0.72	6.29	4.82	0.78	6.29	4.82	0.85	6.29	4.82	0.92	6.29	4.82	1.00	6.29	4.82	1.06	6.29	4.82	1.19	6.29	4.82	1.32	6.01	4.69	1.44	5.73	4.55	1.57	5.45	4.42	1.69	5.17	4.29	1.82			
54.3	16		6.42	4.47	0.86	6.42	4.47	0.93	6.42	4.47	1.00	6.42	4.47	1.07	6.42	4.47	1.07	6.42	4.47	1.07	6.42	4.47	1.07	6.42	4.47	1.19	6.42	4.47	1.32	6.14	4.34	1.45	5.86	4.21	1.57	5.59	4.08	1.70	5.31	3.96	1.83			
21.2	12	24	4.62	4.62	0.52	4.62	4.62	0.56	4.62	4.62	0.61	4.62	4.62	0.67	4.62	4.62	0.73	4.62	4.62	0.79	4.62	4.62	0.86	4.62	4.62	1.00	4.62	4.62	1.16	4.62	4.62	1.32	4.62	4.62	1.48	4.62	4.62	1.64	4.62	4.62	1.80			
32.1	14		6.15	5.79	0.62	6.15	5.79	0.68	6.15	5.79	0.73	6.15	5.79	0.80	6.15	5.79	0.87	6.15	5.79	0.94	6.15	5.79	1.01	6.15	5.79	1.16	6.15	5.79	1.31	5.87	5.64	1.44	5.59	5.51	1.56	5.31	5.31	1.69	5.03	5.03	1.82			
43.8	16		6.42	5.09	0.86	6.42	5.09	0.93	6.42	5.09	1.00	6.42	5.09	1.07	6.42	5.09	1.07	6.42	5.09	1.07	6.42	5.09	1.07	6.42	5.09	1.19	6.42	5.09	1.32	6.14	4.96	1.45	5.86	4.83	1.57	5.59	4.70	1.70	5.31	4.57	1.83			
50.0	17		6.56	4.74	1.01	6.56	4.74	1.07	6.56	4.74	1.07	6.56	4.74	1.07	6.56	4.74	1.07	6.56	4.74	1.07	6.56	4.74	1.07	6.56	4.74	1.20	6.56	4.74	1.32	6.28	4.61	1.45	6.00	4.48	1.58	5.72	4.36	1.70	5.44	4.24	1.83			
21.5	14	27	6.15	6.15	0.62	6.15	6.15	0.67	6.15	6.15	0.73	6.15	6.15	0.80	6.15	6.15	0.86	6.15	6.15	0.93	6.15	6.15	1.01	6.15	6.15	1.16	6.15	6.15	1.31	5.87	5.87	1.44	5.59	5.59	1.56	5.31	5.31	1.69	5.03	5.03	1.82			
26.3	15		6.29	6.29	0.66	6.29	6.29	0.72	6.29	6.29	0.78	6.29	6.29	0.85	6.29	6.29	0.92	6.29	6.29	0.99	6.29	6.29	1.06	6.29	6.29	1.19	6.29	6.29	1.32	6.01	6.01	1.44	5.73	5.73	1.57	5.45	5.45	1.69	5.17	5.17	1.82			
31.3	16		6.42	6.01	0.86	6.42	6.01	0.93	6.42	6.01	1.00	6.42	6.01	1.07	6.42	6.01	1.07	6.42	6.01	1.07	6.42	6.01	1.07	6.42	6.01	1.19	6.42	6.01	1.32	6.14	5.88	1.45	5.86	5.75	1.57	5.59	5.59	1.70	5.31	5.31	1.83			

3D122109A

RZAG60A / FHA71A9

Indoor			Outdoor temperature [°C DB]																																								
			-20			-15			-10			-5			0			5			10			15			20			25			30			35			40		
RH	°EWB	°EDB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
%	°C	°C	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-
41.8	11	18	4.61	4.61	0.41	4.61	4.61	0.45	4.61	4.61	0.50	4.61	4.61	0.55	4.61	4.61	0.61	4.61	4.61	0.67	4.61	4.61	0.80	4.61	4.61	0.93	4.61	4.61	1.05	4.61	4.61	1.15	4.61	4.61	1.25	4.61	4.61	1.35	4.61	4.61	1.46			
57.0	13		6.01	4.50	0.47	6.01	4.50	0.51	6.01	4.50	0.57	6.01	4.50	0.62	6.01	4.50	0.68	6.01	4.50	0.74	6.01	4.50	0.85	6.01	4.50	0.95	6.01	4.50	1.05	5.73	4.36	1.16	5.45	4.22	1.26	5.17	4.08	1.36	4.89	3.95	1.46			
31.4	11	20	4.59	4.59	0.41	4.59	4.59	0.45	4.59	4.59	0.50	4.59	4.59	0.55	4.59	4.59	0.61	4.59	4.59	0.67	4.59	4.59	0.80	4.59	4.59	0.93	4.59	4.59	1.05	4.59	4.59	1.15	4.59	4.59	1.25	4.59	4.59	1.35	4.59	4.59	1.46			
44.9	13		6.01	5.22	0.47	6.01	5.22	0.51	6.01	5.22	0.57	6.01	5.22	0.62	6.01	5.22	0.68	6.01	5.22	0.74	6.01	5.22	0.85	6.01	5.22	0.95	6.01	5.22	1.05	5.73	5.08	1.16	5.45	4.94	1.26	5.17	4.81	1.36	4.89	4.67	1.46			
52.0	14		6.15	4.82	0.54	6.15	4.82	0.59	6.15	4.82	0.64	6.15	4.82	0.70	6.15	4.82	0.75	6.15	4.82	0.75	6.15	4.82	0.85	6.15	4.82	0.96	6.15	4.82	1.06	5.87	4.69	1.16	5.59	4.56	1.26	5.31	4.42	1.36	5.03	4.29	1.47			
22.9	11	22	4.58	4.58	0.41	4.58	4.58	0.45	4.58	4.58	0.50	4.58	4.58	0.55	4.58	4.58	0.61	4.58	4.58	0.67	4.58	4.58	0.80	4.58	4.58	0.93	4.58	4.58	1.05	4.58	4.58	1.15	4.58	4.58	1.25	4.58	4.58	1.35	4.58	4.58	1.46			
34.8	13		6.01	5.94	0.47	6.01	5.94	0.51	6.01	5.94	0.57	6.01	5.94	0.62	6.01	5.94	0.68	6.01	5.94	0.74	6.01	5.94	0.85	6.01	5.94	0.95	6.01	5.94	1.05	5.73	5.73	1.16	5.45	5.45	1.26	5.17	5.17	1.36	4.89	4.89	1.46			
47.6	15		6.29	5.15	0.70	6.29	5.15	0.76	6.29	5.15	0.76	6.29	5.15	0.76	6.29	5.15	0.76	6.29	5.15	0.76	6.29	5.15	0.86	6.29	5.15	0.96	6.29	5.15	1.06	6.01	5.02	1.16	5.73	4.89	1.26	5.45	4.76	1.37	5.17	4.63	1.47			
54.3	16		6.42	4.74	0.86	6.42	4.74	0.86	6.42	4.74	0.86	6.42	4.74	0.86	6.42	4.74	0.86	6.42	4.74	0.86	6.42	4.74	0.86	6.42	4.74	0.96	6.42	4.74	1.06	6.14	4.62	1.17	5.86	4.49	1.27	5.59	4.37	1.37	5.31	4.25	1.47			
21.2	12	24	5.44	5.44	0.44	5.44	5.44	0.48	5.44	5.44	0.53	5.44	5.44	0.59	5.44	5.44	0.64	5.44	5.44	0.70	5.44	5.44	0.83	5.44	5.44	0.94	5.44	5.44	1.05	5.44	5.44	1.15	5.31	5.31	1.26	5.03	5.03	1.36	4.75	4.75	1.46			
32.1	14		6.15	6.15	0.54	6.15	6.15	0.59	6.15	6.15	0.64	6.15	6.15	0.70	6.15	6.15	0.75	6.15	6.15	0.75	6.15	6.15	0.85	6.15	6.15	0.96	6.15	6.15	1.06	5.87	5.87	1.16	5.59	5.59	1.26	5.31	5.31	1.36	5.03	5.03	1.47			
43.8	16		6.42	5.47	0.86	6.42	5.47	0.86	6.42	5.47	0.86	6.42	5.47	0.86	6.42	5.47	0.86	6.42	5.47	0.86	6.42	5.47	0.86	6.42	5.47	0.96	6.42	5.47	1.06	6.14	5.34	1.17	5.86	5.22	1.27	5.59	5.09	1.37	5.31	4.97	1.47			
50.0	17		6.56	5.06	0.86	6.56	5.06	0.86	6.56	5.06	0.86	6.56	5.06	0.86	6.56	5.06	0.86	6.56	5.06	0.86	6.56	5.06	0.86	6.56	5.06	0.97	6.56	5.06	1.07	6.28	4.93	1.17	6.00	4.81	1.27	5.72	4.70	1.37	5.44	4.58	1.47			
21.5	14	27	6.15	6.15	0.48	6.15	6.15	0.54	6.15	6.15	0.59	6.15	6.15	0.65	6.15	6.15	0.70	6.15	6.15	0.75	6.15	6.15	0.85	6.15	6.15	0.96	6.15	6.15	1.06	5.87	5.87	1.16	5.59	5.59	1.26	5.31	5.31	1.36	5.03	5.03	1.47			
26.3	15		6.29	6.29	0.65	6.29	6.29	0.70	6.29	6.29	0.76	6.29	6.29	0.76	6.29	6.29	0.76	6.29	6.29	0.76	6.29	6.29	0.86	6.29	6.29	0.96	6.29	6.29	1.06	6.01	6.01	1.16	5.73	5.73	1.26	5.45	5.45	1.37	5.17	5.17	1.47			
31.3	16		6.42	6.42	0.86	6.42	6.42	0.86	6.42	6.42	0.86	6.42	6.42	0.86	6.42	6.42	0.86	6.42	6.42	0.86	6.42	6.42	0.86	6.42	6.42	0.96	6.42	6.42	1.06	6.14	6.14	1.17	5.86	5.86	1.27	5.59	5.59	1.37	5.31	5.31	1.47			

3D120442B

RZAG60A / FBA71A9

Indoor			Outdoor temperature [°C DB]																																								
			-20			-15			-10			-5			0			5			10			15			20			25			30			35			40		
RH	°EWB	°EDB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
%	°C	°C	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-
41.8	11	18	4.05	4.05	0.39	4.05	4.05	0.42	4.05	4.05	0.47	4.05	4.05	0.52	4.05	4.05	0.57	4.05	4.05	0.64	4.05	4.05	0.77	4.05	4.05	0.92	4.05	4.05	1.06	4.05	4.05	1.16	4.05	4.05	1.27	4.05	4.05	1.37	4.05	4.05	1.47			
57.0	13		5.61	4.12	0.45	5.61	4.12	0.49	5.61	4.12	0.54	5.61	4.12	0.60	5.61	4.12	0.65	5.61	4.12	0.71	5.61	4.12	0.83	5.61	4.12	0.95	5.61	4.12	1.07	5.61	4.12	1.17	5.45	4.03	1.27	5.17	3.89	1.37	4.89	3.76	1.48			
31.4	11	20	4.03	4.03	0.39	4.03	4.03	0.42	4.03	4.03	0.47	4.03	4.03	0.52	4.03	4.03	0.57	4.03	4.03	0.64	4.03	4.03	0.77	4.03	4.03	0.92	4.03	4.03	1.06	4.03	4.03	1.16	4.03	4.03	1.27	4.03	4.03	1.37	4.03	4.03	1.47			
44.9	13		5.60	4.75	0.44	5.60	4.75	0.49	5.60	4.75	0.54	5.60	4.75	0.59	5.60	4.75	0.65	5.60	4.75	0.71	5.60	4.75	0.83	5.60	4.75	0.95	5.60	4.75	1.07	5.60	4.75	1.17	5.45	4.67	1.27	5.17	4.53	1.37	4.89	4.39	1.48			
52.0	14		6.15	4.60	0.47	6.15	4.60	0.52	6.15	4.60	0.57	6.15	4.60	0.63	6.15	4.60	0.68	6.15	4.60	0.74	6.15	4.60	0.86	6.15	4.60	0.97	6.15	4.60	1.07	5.87	4.47	1.17	5.59	4.33	1.27	5.31	4.19	1.38	5.03	4.06	1.48			
22.9	11	22	4.02	4.02	0.38	4.02	4.02	0.42	4.02	4.02	0.47	4.02	4.02	0.52	4.02	4.02	0.57	4.02	4.02	0.64	4.02	4.02	0.77	4.02	4.02	0.92	4.02	4.02	1.06	4.02	4.02	1.16	4.02	4.02	1.27	4.02	4.02	1.37	4.02	4.02	1.47			
34.8	13		5.59	5.38	0.44	5.59	5.38	0.49	5.59	5.38	0.54	5.59	5.38	0.59	5.59	5.38	0.65	5.59	5.38	0.71	5.59	5.38	0.83	5.59	5.38	0.95	5.59	5.38	1.07	5.59	5.38	1.17	5.45	5.31	1.27	5.17	5.17	1.37	4.89	4.89	1.48			
47.6	15		6.29	4.89	0.49	6.29	4.89	0.54	6.29	4.89	0.60	6.29	4.89	0.65	6.29	4.89	0.71	6.29	4.89	0.76	6.29	4.89	0.87	6.29	4.89	0.97	6.29	4.89	1.07	6.01	4.75	1.17	5.73	4.62	1.28	5.45	4.49	1.38	5.17	4.36	1.48			
54.3	16		6.42	4.52	0.66	6.42	4.52	0.71	6.42	4.52	0.77	6.42	4.52	0.77	6.42	4.52	0.77	6.42	4.52	0.77	6.42	4.52	0.87	6.42	4.52	0.97	6.42	4.52	1.07	6.14	4.39	1.18	5.86	4.27	1.28	5.59	4.14	1.38	5.31	4.01	1.49			
21.2	12	24	4.78	4.78	0.42	4.78	4.78	0.46	4.78	4.78	0.50	4.78	4.78	0.56	4.78	4.78	0.61	4.78	4.78	0.68	4.78	4.78	0.81	4.78	4.78	0.94	4.78	4.78	1.06	4.78	4.78	1.17	4.78	4.78	1.27	4.78	4.78	1.37	4.75	4.75	1.47			
32.1	14		6.15	5.88	0.47	6.15	5.88	0.52	6.15	5.88	0.57	6.15	5.88	0.63	6.15	5.88	0.68	6.15	5.88	0.74	6.15	5.88	0.86	6.15	5.88	0.97	6.15	5.88	1.07	5.87	5.74	1.17	5.59	5.59	1.27	5.31	5.31	1.38	5.03	5.03	1.48			
43.8	16		6.42	5.16	0.66	6.42	5.16	0.71	6.42	5.16	0.77	6.42	5.16	0.77	6.42	5.16	0.77	6.42	5.16	0.77	6.42	5.16	0.87	6.42	5.16	0.97	6.42	5.16	1.07	6.14	5.03	1.18	5.86	4.90	1.28	5.59	4.78	1.38	5.31	4.65	1.49			
50.0	17		6.56	4.80	0.87	6.56	4.80	0.87	6.56	4.80	0.87	6.56	4.80	0.87	6.56	4.80	0.87	6.56	4.80	0.87	6.56	4.80	0.87	6.56	4.80	0.97	6.56	4.80	1.08	6.28	4.67	1.18	6.00	4.55	1.28	5.72	4.42	1.39	5.44	4.30	1.49			
21.5	14	27	6.15	6.15	0.47	6.15	6.15	0.52	6.15	6.15	0.57	6.15	6.15	0.62	6.15	6.15	0.68	6.15	6.15	0.74	6.15	6.15	0.85	6.15	6.15	0.97	6.15	6.15	1.07	5.87	5.87	1.17	5.59	5.59	1.27	5.31	5.31	1.38	5.03	5.03	1.48			
26.3	15		6.29	6.29	0.49	6.29	6.29	0.54	6.29	6.29	0.60	6.29	6.29	0.65	6.29	6.29	0.71	6.29	6.29	0.76	6.29	6.29	0.87	6.29	6.29	0.97	6.29	6.29	1.07	6.01	6.01	1.17	5.73	5.73	1.28	5.45	5.45	1.38	5.17	5.17	1.48			
31.3	16		6.42	6.12	0.66	6.42	6.12	0.71	6.42	6.12	0.77	6.42	6.12	0.77	6.42	6.12	0.77	6.42	6.12	0.77	6.42	6.12	0.87	6.42	6.12	0.97	6.42	6.12	1.07	6.14	5.99	1.18	5.86	5.86	1.28	5.59	5.59	1.38	5.31	5.31	1.49			

3D120434

Symbols

TC : Total capacity [kW]
SHC : Sensible heat capacity [kW]
PI : Power input [kW]
RH : Relative humidity [%]
EWB : Entering wet-bulb temperature [°C WB]
EDB : Entering dry-bulb temperature [°C DB]

Notes

1. The ratings shown are net capacities which include a deduction for indoor fan motor heat.
2. When the system performs indoor de-icing operation, these net capacities may change.
3. The total capacity, power input and sensible heat capacity must be calculated by interpolation using the figures in the table (figures not in the table may not be used in the calculation).
4. The capacities are based on the following conditions:
   - › Corresponding refrigerant piping length: 5.0 m
   - › Level difference: 0 m

Click or scan the code to access all capacity tables of RZAG-A

Boosted capacity indoor unit with 7kW outdoor system

RZAG71NV1 / RZAG71NY1

Performance characteristics for ·EDP· room

Indoor			Outdoor temperature [°C DB]																																									
			-20			-15			-10			-5			0			5			10			15			20			25			30			35			40		
			TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI
RH [%]	°CWB	°CDB	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-
41.8	11	18	4.81	4.67	0.32	4.81	4.67	0.34	4.81	4.67	0.36	4.81	4.67	0.37	4.81	4.67	0.39	4.81	4.67	0.41	4.81	4.67	0.43	4.81	4.67	0.46	4.81	4.67	0.48	5.90	5.90	0.98	5.85	5.85	1.09	5.80	5.80	1.19	5.76	5.76	1.30
57.0	13		6.02	5.05	0.33	6.02	5.05	0.37	6.02	5.05	0.41	6.02	5.05	0.45	6.02	5.05	0.50	6.02	5.05	0.52	6.02	5.05	0.55	6.02	5.05	0.57	6.02	5.05	0.64	7.49	5.89	0.99	7.23	5.75	1.10	6.96	5.61	1.20	6.70	5.47	1.31
31.4	11	20	4.81	4.81	0.32	4.81	4.81	0.34	4.81	4.81	0.36	4.81	4.81	0.37	4.81	4.81	0.39	4.81	4.81	0.41	4.81	4.81	0.43	4.81	4.81	0.46	4.81	4.81	0.48	5.90	5.90	0.98	5.85	5.85	1.09	5.80	5.80	1.19	5.76	5.76	1.30
44.9	13		6.02	6.02	0.33	6.02	6.02	0.37	6.02	6.02	0.41	6.02	6.02	0.45	6.02	6.02	0.50	6.02	6.02	0.52	6.02	6.02	0.55	6.02	6.02	0.57	6.02	6.02	0.64	7.49	7.00	0.99	7.23	6.81	1.10	6.96	6.60	1.20	6.70	6.37	1.31
52.0	14		6.62	5.76	0.34	6.62	5.76	0.38	6.62	5.76	0.44	6.62	5.76	0.50	6.62	5.76	0.55	6.62	5.76	0.58	6.62	5.76	0.60	6.62	5.76	0.63	6.62	5.76	0.72	8.15	6.56	0.99	7.74	6.36	1.10	7.34	6.15	1.20	6.93	5.93	1.31
22.9	11	22	4.81	4.81	0.32	4.81	4.81	0.34	4.81	4.81	0.36	4.81	4.81	0.37	4.81	4.81	0.39	4.81	4.81	0.41	4.81	4.81	0.43	4.81	4.81	0.46	4.81	4.81	0.48	5.90	5.90	0.98	5.85	5.85	1.09	5.80	5.80	1.19	5.76	5.76	1.30
34.8	13		6.02	6.02	0.33	6.02	6.02	0.37	6.02	6.02	0.41	6.02	6.02	0.45	6.02	6.02	0.50	6.02	6.02	0.52	6.02	6.02	0.55	6.02	6.02	0.57	6.02	6.02	0.64	7.49	7.49	0.99	7.23	7.23	1.10	6.96	6.96	1.20	6.70	6.70	1.31
47.6	15		7.22	6.06	0.34	7.22	6.06	0.39	7.22	6.06	0.46	7.22	6.06	0.54	7.22	6.06	0.61	7.22	6.06	0.63	7.22	6.06	0.66	7.22	6.06	0.69	7.22	6.06	0.79	8.41	7.00	1.00	7.99	6.80	1.11	7.58	6.60	1.21	7.16	6.37	1.32
54.3	16		7.82	5.71	0.35	7.82	5.71	0.41	7.82	5.71	0.49	7.82	5.71	0.58	7.82	5.71	0.66	7.82	5.71	0.69	7.82	5.71	0.72	7.82	5.71	0.75	7.82	5.71	0.87	8.68	6.54	1.00	8.25	6.35	1.11	7.83	6.14	1.21	7.40	5.92	1.32
21.2	12	24	5.41	5.41	0.33	5.41	5.41	0.36	5.41	5.41	0.38	5.41	5.41	0.41	5.41	5.41	0.44	5.41	5.41	0.46	5.41	5.41	0.49	5.41	5.41	0.52	5.41	5.41	0.56	6.70	6.70	0.99	6.54	6.54	1.10	6.38	6.38	1.20	6.23	6.23	1.31
32.1	14		6.62	6.62	0.34	6.62	6.62	0.38	6.62	6.62	0.44	6.62	6.62	0.50	6.62	6.62	0.55	6.62	6.62	0.58	6.62	6.62	0.60	6.62	6.62	0.63	6.62	6.62	0.72	8.15	8.15	0.99	7.74	7.74	1.10	7.34	7.34	1.20	6.93	6.93	1.31
43.8	16		7.82	6.57	0.35	7.82	6.57	0.41	7.82	6.57	0.49	7.82	6.57	0.58	7.82	6.57	0.66	7.82	6.57	0.69	7.82	6.57	0.72	7.82	6.57	0.75	7.82	6.57	0.87	8.68	7.45	1.00	8.25	7.26	1.11	7.83	7.04	1.21	7.40	6.82	1.32
50.0	17		8.10	6.08	0.37	8.10	6.08	0.43	8.10	6.08	0.51	8.10	6.08	0.60	8.10	6.08	0.68	8.10	6.08	0.70	8.10	6.08	0.73	8.10	6.08	0.75	8.10	6.08	0.88	8.96	6.99	1.00	8.53	6.80	1.11	8.09	6.59	1.21	7.66	6.37	1.32
21.5	14	27	6.62	6.62	0.34	6.62	6.62	0.38	6.62	6.62	0.44	6.62	6.62	0.50	6.62	6.62	0.55	6.62	6.62	0.58	6.62	6.62	0.60	6.62	6.62	0.63	6.62	6.62	0.72	8.15	8.15	0.99	7.74	7.74	1.10	7.34	7.34	1.20	6.93	6.93	1.31
26.3	15		7.22	7.22	0.34	7.22	7.22	0.39	7.22	7.22	0.46	7.22	7.22	0.54	7.22	7.22	0.61	7.22	7.22	0.63	7.22	7.22	0.66	7.22	7.22	0.69	7.22	7.22	0.79	8.41	8.41	1.00	7.99	7.99	1.11	7.58	7.58	1.21	7.16	7.16	1.32
31.3	16		7.82	7.82	0.35	7.82	7.82	0.41	7.82	7.82	0.49	7.82	7.82	0.58	7.82	7.82	0.66	7.82	7.82	0.69	7.82	7.82	0.72	7.82	7.82	0.75	7.82	7.82	0.87	8.68	8.68	1.00	8.25	8.25	1.11	7.83	7.83	1.21	7.40	7.40	1.32

Pair	FCAHG100H	FCAG100B	FAA100B	FVA100A	FHA100A	FUA100A	FBA100A
Cooling	1.64	1.64	1.96	1.72	1.69	1.69	1.64

Twin	FCAG50Bx2	FHA50Ax2	FFA50Ax2	FDXM50Fx2	FBA50Ax2
Cooling	156	1.70	1.79	1.44	1.67

Triple	FCAG35Bx3	FHA35Ax3	FFA35Ax3	FDXM35Fx3	FBA35Ax3
Cooling	1.51	1.51	1.62	1.51	1.64

3D125184B

Boosted capacity indoor unit with 10kW outdoor system

RZAG100NV1 / RZAG100NY1

Performance characteristics for ·EDP· room

Indoor			Outdoor temperature [°C DB]																																								
			-20			-15			-10			-5			0			5			10			15			20			25			30			35			40		
			TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI
RH [%]	°CWB	°CDB	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-
41.8	11	18	6.00	6.00	0.32	6.00	6.00	0.33	6.00	6.00	0.34	6.00	6.00	0.35	6.00	6.00	0.37	6.00	6.00	0.38	6.00	6.00	0.38	6.00	6.00	0.39	6.00	6.00	0.39	8.36	7.98	1.00	7.92	7.72	1.10	7.48	7.43	1.20	7.09	7.15	1.29
57.0	13		7.48	6.37	0.42	7.48	6.37	0.42	7.48	6.37	0.44	7.48	6.37	0.45	7.48	6.37	0.46	7.48	6.37	0.46	7.48	6.37	0.46	7.48	6.37	0.45	7.48	6.37	0.46	9.71	7.67	1.00	9.30	7.42	1.11	8.90	7.16	1.21	8.45	6.88	1.30
31.4	11	20	6.00	6.00	0.32	6.00	6.00	0.33	6.00	6.00	0.34	6.00	6.00	0.35	6.00	6.00	0.37	6.00	6.00	0.38	6.00	6.00	0.38	6.00	6.00	0.39	6.00	6.00	0.39	8.36	8.36	1.00	7.92	7.92	1.10	7.48	7.48	1.20	7.09	7.09	1.29
44.9	13		7.48	7.25	0.42	7.48	7.25	0.42	7.48	7.25	0.44	7.48	7.25	0.45	7.48	7.25	0.46	7.48	7.25	0.46	7.48	7.25	0.46	7.48	7.25	0.45	7.48	7.25	0.46	9.71	8.53	1.00	9.30	8.28	1.11	8.90	8.01	1.21	8.45	7.74	1.30
52.0	14		8.22	7.18	0.46	8.22	7.18	0.47	8.22	7.18	0.48	8.22	7.18	0.49	8.22	7.18	0.51	8.22	7.18	0.50	8.22	7.18	0.49	8.22	7.18	0.49	8.22	7.18	0.49	10.50	8.45	1.01	10.23	8.31	1.11	9.96	8.17	1.21	9.68	7.94	1.31
22.9	11	22	6.00	6.00	0.32	6.00	6.00	0.33	6.00	6.00	0.34	6.00	6.00	0.35	6.00	6.00	0.37	6.00	6.00	0.38	6.00	6.00	0.38	6.00	6.00	0.39	6.00	6.00	0.39	8.36	8.36	1.00	7.92	7.92	1.10	7.48	7.48	1.20	7.09	7.09	1.29
34.8	13		7.48	7.48	0.42	7.48	7.48	0.42	7.48	7.48	0.44	7.48	7.48	0.45	7.48	7.48	0.46	7.48	7.48	0.46	7.48	7.48	0.46	7.48	7.48	0.45	7.48	7.48	0.46	9.71	9.71	1.00	9.30	9.30	1.11	8.90	8.90	1.21	8.45	8.45	1.30
47.6	15		8.96	7.82	0.51	8.96	7.82	0.52	8.96	7.82	0.53	8.96	7.82	0.54	8.96	7.82	0.55	8.96	7.82	0.54	8.96	7.82	0.53	8.96	7.82	0.52	8.96	7.82	0.52	11.28	9.19	1.01	10.89	8.96	1.11	10.51	8.72	1.22	10.12	8.48	1.32
54.3	16		9.70	7.54	0.56	9.70	7.54	0.56	9.70	7.54	0.58	9.70	7.54	0.59	9.70	7.54	0.60	9.70	7.54	0.59	9.70	7.54	0.57	9.70	7.54	0.55	9.70	7.54	0.56	11.84	8.40	1.01	11.40	8.22	1.11	11.03	8.04	1.22	10.58	7.77	1.32
21.2	12	24	6.74	6.74	0.37	6.74	6.74	0.38	6.74	6.74	0.39	6.74	6.74	0.40	6.74	6.74	0.41	6.74	6.74	0.42	6.74	6.74	0.42	6.74	6.74	0.42	6.74	6.74	0.42	9.04	9.04	1.00	8.61	8.61	1.10	8.19	8.19	1.21	7.77	7.77	1.30
32.1	14		8.22	8.22	0.46	8.22	8.22	0.47	8.22	8.22	0.48	8.22	8.22	0.49	8.22	8.22	0.51	8.22	8.22	0.50	8.22	8.22	0.49	8.22	8.22	0.49	8.22	8.22	0.49	10.50	10.50	1.01	10.23	10.23	1.11	9.96	9.96	1.21	9.68	9.68	1.31
43.8	16		9.70	8.68	0.56	9.70	8.68	0.56	9.70	8.68	0.58	9.70	8.68	0.59	9.70	8.68	0.60	9.70	8.68	0.59	9.70	8.68	0.57	9.70	8.68	0.55	9.70	8.68	0.56	11.84	9.74	1.01	11.40	9.51	1.12	11.03	9.32	1.22	10.58	9.06	1.32
50.0	17		9.98	7.86	0.57	9.98	7.86	0.58	9.98	7.86	0.59	9.98	7.86	0.60	9.98	7.86	0.61	9.98	7.86	0.60	9.98	7.86	0.60	9.98	7.86	0.60	9.98	7.86	0.60	12.39	9.45	1.02	11.86	9.16	1.12	11.33	8.86	1.22	10.80	8.52	1.33
21.5	14	27	8.22	8.22	0.46	8.22	8.22	0.47	8.22	8.22	0.48	8.22	8.22	0.49	8.22	8.22	0.51	8.22	8.22	0.50	8.22	8.22	0.49	8.22	8.22	0.49	8.22	8.22	0.49	10.50	10.50	1.01	10.23	10.23	1.11	9.96	9.96	1.21	9.68	9.68	1.31
26.3	15		8.96	8.96	0.51	8.96	8.96	0.52	8.96	8.96	0.53	8.96	8.96	0.54	8.96	8.96	0.55	8.96	8.96	0.54	8.96	8.96	0.53	8.96	8.96	0.52	8.96	8.96	0.52	11.28	11.28	1.01	10.89	10.89	1.11	10.51	10.51	1.22	10.12	10.12	1.32
31.3	16		9.70	9.70	0.56	9.70	9.70	0.56	9.70	9.70	0.58	9.70	9.70	0.59	9.70	9.70	0.60	9.70	9.70	0.59	9.70	9.70	0.57	9.70	9.70	0.55	9.70	9.70	0.56	11.84	11.84	1.01	11.40	11.40	1.12	11.03	11.03	1.22	10.58	10.58	1.32

Pair	FCAHG140H	FCAG140B	FVA140A	FHA140A	FBA140A
Cooling	2.35	2.28	2.39	2.32	2.25

Twin	FCAHG71Hx2	FCAG71Bx2	FHA71Ax2	FUA71Ax2	FAA71Bx2	FBA71Ax2
Cooling	2.02	2.15	2.10	2.11	2.19	2.06

Triple	FCAG50Bx3	FHA50Ax3	FFA50Ax3	FDXM50Fx3	FBA50Ax3
Cooling	2.03	2.18	2.25	1.88	2.18

Double twin	FCAG35Bx4	FHA35Ax4	FFA35Ax4	FDXM35Fx4	FBA35Ax4
Cooling	2.00	2.01	2.12	2.00	2.18

3D125185A

Notes

1. The ratings shown are net capacities which include a deduction for indoor fan motor heat.
2. The capacities are based on the following conditions:
   - Outdoor air: ·85% RH·
   - Corresponding refrigerant piping length: ·5.0· m
   - Level difference: ·0·m
3. For ·EDP· applications, it is recommended to use outdoor unit setting ·2-57-2·.
4. ·CPI· is a percentage value compared to the rated value which is ·1.00·.
5. The error rate for this value is less than ·5·% and depends on the indoor unit type.
6. The rated power input (PI) for each model is mentioned in the table below.

Symbols

TC : Maximum total cooling capacity [kW]
SHC : Sensible heat capacity [kW]
CPI : Coefficient of the power input
PI : Power input [kW]
compressor + indoor and outdoor fan motors
RH : Relative humidity [%]

Boosted capacity indoor unit with 12kW outdoor system

RZAG125NV1 / RZAG125NY1

Performance characteristics for ·EDP· room

Indoor			Outdoor temperature [°C DB]																																							
			-20			-15			-10			-5			0			5			10			15			20			25			30			35			40		
			TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI
RH [%]	°CWB	°CDB	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-
41.8	11	18	7.49	7.49	0.32	7.49	7.49	0.33	7.49	7.49	0.34	7.49	7.49	0.35	7.49	7.49	0.36	7.49	7.49	0.37	7.49	7.49	0.38	7.49	7.49	0.38	7.49	7.49	0.38	10.25	9.60	0.98	9.71	9.28	1.08	9.17	8.94	1.18	8.69	8.60	1.27
57.0	13		9.34	7.60	0.41	9.34	7.60	0.42	9.34	7.60	0.43	9.34	7.60	0.44	9.34	7.60	0.45	9.34	7.60	0.45	9.34	7.60	0.45	9.34	7.60	0.45	9.34	7.60	0.45	11.91	9.22	0.99	11.41	8.92	1.09	10.91	8.61	1.19	10.37	8.28	1.28
31.4	11	20	7.49	7.49	0.32	7.49	7.49	0.33	7.49	7.49	0.34	7.49	7.49	0.35	7.49	7.49	0.36	7.49	7.49	0.37	7.49	7.49	0.38	7.49	7.49	0.38	7.49	7.49	0.38	10.25	10.25	0.98	9.71	9.71	1.08	9.17	9.17	1.18	8.69	8.69	1.27
44.9	13		9.34	8.65	0.41	9.34	8.65	0.42	9.34	8.65	0.43	9.34	8.65	0.44	9.34	8.65	0.45	9.34	8.65	0.45	9.34	8.65	0.45	9.34	8.65	0.45	9.34	8.65	0.45	11.91	10.27	0.99	11.41	9.96	1.09	10.91	9.64	1.19	10.37	9.31	1.28
52.0	14		10.27	8.56	0.46	10.27	8.56	0.46	10.27	8.56	0.47	10.27	8.56	0.49	10.27	8.56	0.50	10.27	8.56	0.49	10.27	8.56	0.49	10.27	8.56	0.48	10.27	8.56	0.48	12.88	10.16	0.99	12.54	10.00	1.09	12.21	9.83	1.19	11.87	9.55	1.29
22.9	11	22	7.49	7.49	0.32	7.49	7.49	0.33	7.49	7.49	0.34	7.49	7.49	0.35	7.49	7.49	0.36	7.49	7.49	0.37	7.49	7.49	0.38	7.49	7.49	0.38	7.49	7.49	0.38	10.25	10.25	0.98	9.71	9.71	1.08	9.17	9.17	1.18	8.69	8.69	1.27
34.8	13		9.34	9.34	0.41	9.34	9.34	0.42	9.34	9.34	0.43	9.34	9.34	0.44	9.34	9.34	0.45	9.34	9.34	0.45	9.34	9.34	0.45	9.34	9.34	0.45	9.34	9.34	0.45	11.91	11.91	0.99	11.41	11.41	1.09	10.91	10.91	1.19	10.37	10.37	1.28
47.6	15		11.20	9.34	0.50	11.20	9.34	0.51	11.20	9.34	0.52	11.20	9.34	0.53	11.20	9.34	0.55	11.20	9.34	0.54	11.20	9.34	0.52	11.20	9.34	0.51	11.20	9.34	0.51	13.83	11.06	0.99	13.36	10.78	1.09	12.88	10.49	1.20	12.41	10.20	1.29
54.3	16		12.12	9.00	0.55	12.12	9.00	0.55	12.12	9.00	0.57	12.12	9.00	0.58	12.12	9.00	0.59	12.12	9.00	0.58	12.12	9.00	0.56	12.12	9.00	0.54	12.12	9.00	0.55	14.51	10.10	1.00	13.98	9.89	1.10	13.52	9.67	1.20	12.98	9.35	1.30
21.2	12	24	8.42	8.42	0.36	8.42	8.42	0.37	8.42	8.42	0.38	8.42	8.42	0.39	8.42	8.42	0.41	8.42	8.42	0.41	8.42	8.42	0.41	8.42	8.42	0.41	8.42	8.42	0.41	11.08	11.08	0.98	10.56	10.56	1.08	10.04	10.04	1.19	9.53	9.53	1.27
32.1	14		10.27	10.27	0.46	10.27	10.27	0.46	10.27	10.27	0.47	10.27	10.27	0.49	10.27	10.27	0.50	10.27	10.27	0.49	10.27	10.27	0.49	10.27	10.27	0.48	10.27	10.27	0.48	12.88	12.88	0.99	12.54	12.54	1.09	12.21	12.21	1.19	11.87	11.87	1.29
43.8	16		12.12	10.35	0.55	12.12	10.35	0.55	12.12	10.35	0.57	12.12	10.35	0.58	12.12	10.35	0.59	12.12	10.35	0.58	12.12	10.35	0.56	12.12	10.35	0.54	12.12	10.35	0.55	14.51	11.71	1.00	13.98	11.44	1.10	13.52	11.21	1.20	12.98	10.90	1.30
50.0	17		12.47	9.38	0.56	12.47	9.38	0.57	12.47	9.38	0.58	12.47	9.38	0.59	12.47	9.38	0.60	12.47	9.38	0.59	12.47	9.38	0.59	12.47	9.38	0.59	12.47	9.38	0.59	15.20	11.36	1.00	14.54	11.02	1.10	13.89	10.66	1.20	13.24	10.25	1.31
21.5	14	27	10.27	10.27	0.46	10.27	10.27	0.46	10.27	10.27	0.47	10.27	10.27	0.49	10.27	10.27	0.50	10.27	10.27	0.49	10.27	10.27	0.49	10.27	10.27	0.48	10.27	10.27	0.48	12.88	12.88	0.99	12.54	12.54	1.09	12.21	12.21	1.19	11.87	11.87	1.29
26.3	15		11.20	11.20	0.50	11.20	11.20	0.51	11.20	11.20	0.52	11.20	11.20	0.53	11.20	11.20	0.55	11.20	11.20	0.54	11.20	11.20	0.52	11.20	11.20	0.51	11.20	11.20	0.51	13.83	13.83	0.99	13.36	13.36	1.09	12.88	12.88	1.20	12.41	12.41	1.29
31.3	16		12.12	12.12	0.55	12.12	12.12	0.55	12.12	12.12	0.57	12.12	12.12	0.58	12.12	12.12	0.59	12.12	12.12	0.58	12.12	12.12	0.56	12.12	12.12	0.54	12.12	12.12	0.55	14.51	14.51	1.00	13.98	13.98	1.10	13.52	13.52	1.20	12.98	12.98	1.30

Pair	FCAHG140H	FCAG140B	FVA140A	FHA140A	FBA140A
Cooling	3.09	3.07	3.17	3.05	2.99

Twin	FCAHG71Hx2	FCAG71Bx2	FHA71Ax2	FUA71Bx2	FAA71Ax2	FBA71Ax2
Cooling	2.57	2.79	2.68	2.69	2.88	2.64

Triple	FCAG50Bx3	FHA50Ax3	FFA50Ax3	FDXM50Fx3	FBA50Ax3
Cooling	2.57	2.79	2.97	2.36	2.74

Double twin	FCAG35Bx4	FHA35Ax4	FFA35Ax4	FDXM35Fx4	FBA35Ax4
Cooling	2.51	2.45	2.71	2.55	2.96

3D125186A

Boosted capacity indoor unit with 14kW outdoor system

RZAG140NV1 / RZAG140NY1

Performance characteristics for ·EDP· room

Indoor			Outdoor temperature [°C DB]																																							
			-20			-15			-10			-5			0			5			10			15			20			25			30			35			40		
			TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI	TC	SHC	CPI
RH [%]	°CWB	°CDB	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-
41.8	11	18	8.24	8.24	0.31	8.24	8.24	0.32	8.24	8.24	0.33	8.24	8.24	0.34	8.24	8.24	0.35	8.24	8.24	0.37	8.24	8.24	0.37	8.24	8.24	0.37	8.24	8.24	0.38	10.95	9.96	0.96	10.37	9.62	1.06	9.79	9.27	1.16	9.28	8.92	1.25
57.0	13		10.28	8.22	0.40	10.28	8.22	0.41	10.28	8.22	0.42	10.28	8.22	0.43	10.28	8.22	0.45	10.28	8.22	0.45	10.28	8.22	0.44	10.28	8.22	0.44	10.28	8.22	0.44	12.72	9.56	0.97	12.18	9.25	1.07	11.65	8.93	1.17	11.07	8.58	1.26
31.4	11	20	8.24	8.24	0.31	8.24	8.24	0.32	8.24	8.24	0.33	8.24	8.24	0.34	8.24	8.24	0.35	8.24	8.24	0.37	8.24	8.24	0.37	8.24	8.24	0.37	8.24	8.24	0.38	10.95	10.95	0.96	10.37	10.37	1.06	9.79	9.79	1.16	9.28	9.28	1.25
44.9	13		10.28	9.35	0.40	10.28	9.35	0.41	10.28	9.35	0.42	10.28	9.35	0.43	10.28	9.35	0.45	10.28	9.35	0.45	10.28	9.35	0.44	10.28	9.35	0.44	10.28	9.35	0.44	12.72	10.64	0.97	12.18	10.33	1.07	11.65	10.00	1.17	11.07	9.65	1.26
52.0	14		11.30	9.26	0.45	11.30	9.26	0.45	11.30	9.26	0.47	11.30	9.26	0.48	11.30	9.26	0.49	11.30	9.26	0.49	11.30	9.26	0.48	11.30	9.26	0.47	11.30	9.26	0.47	13.75	10.53	0.97	13.40	10.36	1.07	13.04	10.19	1.17	12.68	9.90	1.27
22.9	11	22	8.24	8.24	0.31	8.24	8.24	0.32	8.24	8.24	0.33	8.24	8.24	0.34	8.24	8.24	0.35	8.24	8.24	0.37	8.24	8.24	0.37	8.24	8.24	0.37	8.24	8.24	0.38	10.95	10.95	0.96	10.37	10.37	1.06	9.79	9.79	1.16	9.28	9.28	1.25
34.8	13		10.28	10.28	0.40	10.28	10.28	0.41	10.28	10.28	0.42	10.28	10.28	0.43	10.28	10.28	0.45	10.28	10.28	0.45	10.28	10.28	0.44	10.28	10.28	0.44	10.28	10.28	0.44	12.72	12.72	0.97	12.18	12.18	1.07	11.65	11.65	1.17	11.07	11.07	1.26
47.6	15		12.32	10.10	0.50	12.32	10.10	0.50	12.32	10.10	0.51	12.32	10.10	0.52	12.32	10.10	0.54	12.32	10.10	0.53	12.32	10.10	0.51	12.32	10.10	0.50	12.32	10.10	0.50	14.77	11.47	0.98	14.26	11.18	1.08	13.76	10.88	1.18	13.25	10.57	1.27
54.3	16		13.33	9.73	0.54	13.33	9.73	0.54	13.33	9.73	0.56	13.33	9.73	0.57	13.33	9.73	0.58	13.33	9.73	0.57	13.33	9.73	0.55	13.33	9.73	0.53	13.33	9.73	0.54	15.50	10.47	0.98	14.93	10.25	1.08	14.44	10.03	1.18	13.86	9.69	1.28
21.2	12	24	9.26	9.26	0.36	9.26	9.26	0.37	9.26	9.26	0.38	9.26	9.26	0.39	9.26	9.26	0.40	9.26	9.26	0.41	9.26	9.26	0.41	9.26	9.26	0.41	9.26	9.26	0.41	11.83	11.83	0.97	11.28	11.28	1.07	10.72	10.72	1.17	10.17	10.17	1.25
32.1	14		11.30	11.30	0.45	11.30	11.30	0.45	11.30	11.30	0.47	11.30	11.30	0.48	11.30	11.30	0.49	11.30	11.30	0.49	11.30	11.30	0.48	11.30	11.30	0.47	11.30	11.30	0.47	13.75	13.75	0.97	13.40	13.40	1.07	13.04	13.04	1.17	12.68	12.68	1.27
43.8	16		13.33	11.20	0.54	13.33	11.20	0.54	13.33	11.20	0.56	13.33	11.20	0.57	13.33	11.20	0.58	13.33	11.20	0.57	13.33	11.20	0.55	13.33	11.20	0.53	13.33	11.20	0.54	15.50	12.14	0.98	14.93	11.86	1.08	14.44	11.62	1.18	13.86	11.30	1.28
50.0	17		13.72	10.15	0.55	13.72	10.15	0.56	13.72	10.15	0.57	13.72	10.15	0.58	13.72	10.15	0.59	13.72	10.15	0.58	13.72	10.15	0.58	13.72	10.15	0.58	13.72	10.15	0.58	16.23	11.78	0.98	15.53	11.43	1.08	14.83	11.06	1.18	14.14	10.63	1.29
21.5	14	27	11.30	11.30	0.45	11.30	11.30	0.45	11.30	11.30	0.47	11.30	11.30	0.48	11.30	11.30	0.49	11.30	11.30	0.49	11.30	11.30	0.48	11.30	11.30	0.47	11.30	11.30	0.47	13.75	13.75	0.97	13.40	13.40	1.07	13.04	13.04	1.17	12.68	12.68	1.27
26.3	15		12.32	12.32	0.50	12.32	12.32	0.50	12.32	12.32	0.51	12.32	12.32	0.52	12.32	12.32	0.54	12.32	12.32	0.53	12.32	12.32	0.51	12.32	12.32	0.50	12.32	12.32	0.50	14.77	14.77	0.98	14.26	14.26	1.08	13.76	13.76	1.18	13.25	13.25	1.27
31.3	16		13.33	13.33	0.54	13.33	13.33	0.54	13.33	13.33	0.56	13.33	13.33	0.57	13.33	13.33	0.58	13.33	13.33	0.57	13.33	13.33	0.55	13.33	13.33	0.53	13.33	13.33	0.54	15.50	15.50	0.98	14.93	14.93	1.08	14.44	14.44	1.18	13.86	13.86	1.28

Pair	FCAHG140H	FCAG140B	FVA140A	FHA140A	FBA140A
Cooling	3.64	4.29	4.42	4.31	4.69

Twin	FCAHG71Hx2	FCAG71Bx2	FHA71Ax2	FUA71Bx2	FAA71Ax2	FBA71Ax2
Cooling	2.89	3.15	3.01	3.02	3.27	2.97

Triple	FCAG50Bx3	FHA50Ax3	FFA50Ax3	FDXM50Fx3	FBA50Ax3
Cooling	2.88	3.14	3.37	2.65	3.06

Double twin	FCAG35Bx4	FHA35Ax4	FFA35Ax4	FDXM35Fx4	FBA35Ax4
Cooling	3.08	2.73	3.04	2.87	3.32

3D125187A

Notes

1. The ratings shown are net capacities which include a deduction for indoor fan motor heat.
2. The capacities are based on the following conditions:
   - Outdoor air: ·85% RH·
   - Corresponding refrigerant piping length: ·5.0· m
   - Level difference: ·0·m
3. For ·EDP· applications, it is recommended to use outdoor unit setting ·2-57-2·.
4. ·CPI· is a percentage value compared to the rated value which is ·1.00·.
5. The error rate for this value is less than ·5·% and depends on the indoor unit type.
6. The rated power input (PI) for each model is mentioned in the table below.

Symbols

TC : Maximum total cooling capacity [kW]
SHC : Sensible heat capacity [kW]
CPI : Coefficient of the power input
PI : Power input [kW]
compressor + indoor and outdoor fan motors
RH : Relative humidity [%]

Click or scan the code to access all capacity tables

RZAG-NV1

RZAG-NY1

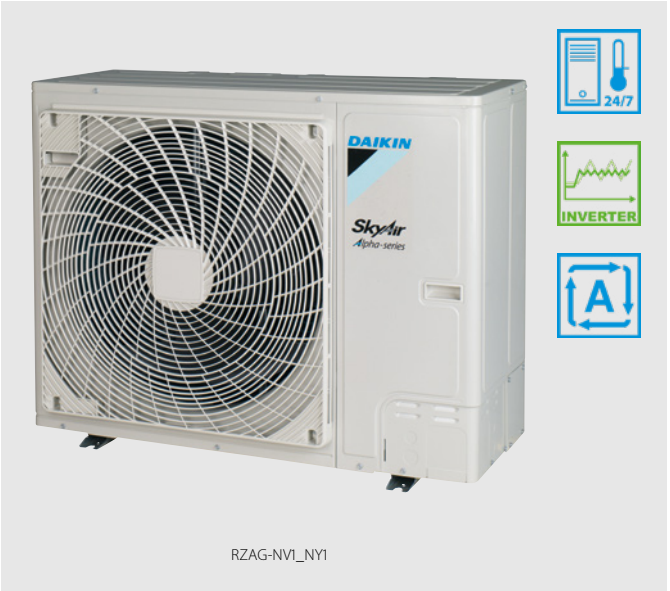
R-32

SkyAir Alpha-series BLUEVOLUTION

Sky Air Alpha-series

Industry leading technology for commercial applications and even for technical rooms

- Unique, low-height single fan range
- Compact dimensions allow almost unoticeable installation
- Market-leading serviceability and handling, thanks to wide access area, 7-segment display and additional handle
- The perfect balance in efficiency and comfort thanks to Variable Refrigerant Temperature: top seasonal efficiency throughout most of the year and quick reaction speed on the hottest days.
- Suits high sensible, infrastructure cooling applications
- Replace existing systems with R-32 technology without needing to replace the piping
- Guarantees operation in both heating and cooling mode down to -20°C
- Refrigerant cooled PCB guarantees reliable cooling, as it is not influenced by ambient temperature.
- Maximum piping length up to 85m (50m for RZAG-A)
- Outdoor units for pair, twin, triple, double twin application
- Combines with EKLN-A low sound enclosure



RZAG-NV1_NY1

Comfort cooling combination table

		FCAHG-H				FCAG-B							FFA-A9			FDA-A	FDXM-F9			FBA-A(9)							FHA-A(9)								FAA-B		FTXM-R				FUA-A			FNA-A9			FVA-A			
capacity class		71	100	125	140	35	50	60	71	100	125	140	35	50	60	125	35	50	60	35	50	60	71	100	125	140	35	50	60	71	100	125	140	71	100	35	50	60	71	71	100	125	35	50	60	71	100	125	140
RZAG35A						P							P				P			P							P										P							P						
RZAG50A							P							P				P			P							P										P							P						
RZAG60A								P							P				P			P							P										P							P				
RZAG71NV1	RZAG71NY1	P				2			P				2				2			2			P				2			P				P						P			2			P			
RZAG100NV1	RZAG100NY1		P			3	2			P			3	2			3	2		3	2			P			3	2			P				P						P			3	2			P		
RZAG125NV1	RZAG125NY1			P		4	3	2			P		4	3	2	P	4	3	2	4	3	2			P		4	3	2			P											P	4	3	2			P	
RZAG140NV1	RZAG140NY1	2			P	4	3		2			P	4	3			4	3		4	3		2			P	4	3		2			P	2						2			4	3		2			P

P = pair application; 2/3/4 = twin/triple/double twin application

Infrastructure cooling combination table

		FTXM-R				FAA-B		FHA-A(9)					FBA-A(9)							FDXM-F9		FUA-A			FNA-A9			FVA-A				FFA-A9			FCAHG-H				FCAG-B							
capacity class		35	50	60	71	71	100	35	50	60	71	100	125	140	35	50	60	71	100	125	140	35	50	60	71	100	125	35	50	60	71	100	125	140	35	50	60	71	100	125	140	35	50	60	71	100	125	140
RZAG35A			P						P							P							P					P										P									
RZAG50A				P						P							P						P						P										P								
RZAG60A					P						P							P						P															P								
RZAG71NV1	RZAG71NY1						P	3	2			P			3	2			P			3	2			P		3	2			P			3	2			P			3	2			P		
RZAG100NV1	RZAG100NY1					2		4	3		2				P	4	3		2			P	4	3		2			4	3			P	4	3		2			P	4	3		2			P
RZAG125NV1	RZAG125NY1					2		4	3		2				P	4	3		2			P	4	3		2			4	3			P	4	3		2			P	4	3		2			P
RZAG140NV1	RZAG140NY1					2		4	3		2				P	4	3		2			P	4	3		2			4	3			P	4	3		2			P	4	3		2			P

P = Pair, 2 = Twin, 3 = Triple, 4 = Double twin; For more information on infrastructure cooling options refer to infrastructure cooling catalogue.

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

RZAG-A RZAG-NV1 RZAG-NY1

Indoor Unit				RZAG	35A	50A	60A	71NV1	100NV1	125NV1	140NV1	71NY1	100NY1	125NY1	140NY1
Dimensions	Unit	HeightxWidthxDepth		mm	734x870x373			870x1,100x460							
Weight	Unit			kg	52			81	85	95		81	85	94	
Sound power level	Cooling			dBA	62.0	63.0	64.0	64	66	69	70	64	66	69	70
	Heating			dBA	62.0	63.0	64.0	-		68 (1)	71 (1)	-		68 (1)	71 (1)
Sound pressure level	Cooling	Nom.		dBA	48.0	49.0	50.0	46	47	49	50	46	47	49	50
	Heating	Nom.		dBA	48.0	49.0	50.0	48	50	52		48	50	52	
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-20 ~ 52			-20 ~52							
	Heating	Ambient	Min.~Max.	°CWB	-20 ~ 24			-20 ~18							
Refrigerant	Type/GWP				R-32/675.0			R-32/675							
	Charge			kg/TCO2Eq	1.55/1.05			3.20/2.16		3.70/2.50		3.20/2.16		3.70/2.50	
Piping connections	Liquid/ Gas	OD		mm	6.35/9.52	6.35/12.7		9.52/15.9							
	Piping length	OU - IU	Max.	m	50			55	85			55	85		
		System	Equivalent	m	-			75	100			75	100		
			Chargeless	m	30			40							
	Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 30m)			See installation manual							
	Level difference	IU - OU	Max.	m	30.0			30							
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240							3~/50/380-415			
Current - 50Hz	Maximum fuse amps (MFA)			A	-			20	32			16			

(1)According to ENER Lot 21 | Contains fluorinated greenhouse gases

R-32

Sky Air Advance-series BLUEVOLUTION

Sky Air Advance-series

Technology and comfort combined for commercial applications

- High efficiency:
  - Energy labels up to A++ (cooling) / A+ (heating)
  - compressor offers substantial efficiency improvements
- Very compact and easy to install
- Replace existing systems with R-32 technology without needing to replace the piping
- Guarantees operation in both heating and cooling mode down to -15°C
- Refrigerant cooled PCB guarantees reliable cooling, as it is not influenced by ambient temperature.
- Maximum piping length up to 50m, minimum piping length has no limitation
- Outdoor units for pair, twin, triple, double twin application

RZASG100-140MV1_MY1

Pair, twin, triple and double twin application

		FCAG-B							FFA-A9			FDXM-F9			FBA-A(9)						
capacity class		35	50	60	71	100	125	140	35	50	60	35	50	60	35	50	60	71	100	125	140
RZASG71MV1		2			P				2			2			2			P			
RZASG100MV1	RZASG100MY1	3	2			P			3	2		3	2		3	2			P		
RZASG125MV1	RZASG125MY1	4	3	2			P		4	3	2	4	3	2	4	3	2			P	
RZASG140MV1	RZASG140MY1	4	3		2			P	4	3		4	3		4	3		2			P

		FDA-A	FHA-A(9)							FUA-A			FAA-B		FVA-A				FNA-A9		
capacity class		125	35	50	60	71	100	125	140	71	100	125	71	100	71	100	125	140	35	50	60
RZASG71MV1			2			P				P			P		P				2		
RZASG100MV1	RZASG100MY1		3	2			P				P			P		P			3	2	
RZASG125MV1	RZASG125MY1	P	4	3	2			P				P					P		4	3	2
RZASG140MV1	RZASG140MY1		4	3		2			P	2			2		2			P	4	3	

P = Pair, 2 = Twin, 3 = Triple, 4 = Double twin

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

RZASG-MV1 RZASG-MY1

Outdoor Unit				RZASG	71MV1	100MV1	125MV1	140MV1	100MY1	125MY1	140MY1
Dimensions	Unit	HeightxWidthxDepth		mm	770x900x320	990x940x320					
Weight	Unit			kg	60	70		78	70		77
Sound power level	Cooling			dBA	65	70	71	73	70	71	73
	Heating			dBA	-		71	73	-	71	73
Sound pressure level	Cooling	Nom.		dBA	46	53		54	53		54
	Heating	Nom.		dBA	47	57					
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-15~46						
	Heating	Ambient	Min.~Max.	°CWB	-15~15.5						
Refrigerant	Type/GWP				R-32/675						
	Charge			kg/TCO2Eq	2.45/1.65	2.60/1.76		2.90/1.96	2.60/1.76		2.90/1.96
Piping connections	Liquid/Gas	OD		mm	9.52/15.9						
	Piping length	OU - IU	Max.	m	50						
		System	Equivalent	m	70						
			Chargeless	m	30						
	Additional refrigerant charge			kg/m	See installation manual						
	Level difference IU - OU		Max.	m	30.0						
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240				3~/50/380-415		
Current - 50Hz	Maximum fuse amps (MFA)			A	20	25		32	16		

(1)According to ENER Lot 21 | Contains fluorinated greenhouse gases

R-32

Sky Air Advance-series BLUEVOLUTION

Sky Air Advance-series

Large Sky Air system for commercial applications in the most compact casing ever

- Compact (870mm high) and lightweight single fan design makes the unit unobtrusive, saves space and is easy to install
- Market-leading serviceability and handling, thanks to wide access area, 7-segment display and additional handle
- Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A, leads directly to lower energy consumption thanks to its high energy efficiency and has a lower refrigerant charge
- Replace existing systems with R-32 technology without needing to replace the piping
- Guarantees operation in heating mode down to -20°C
- Refrigerant cooled PCB guarantees reliable cooling, as it is not influenced by ambient temperature.
- Maximum piping length up to 100m
- Maximum installation height difference up to 30m
- Outdoor units for pair, twin, triple, double twin application
- Combines with EKLN-A low sound enclosure

RZA-D

Comfort cooling combination table

	FCAG-B					FFA-A9		FDXM-F9		FBA-A(9)					FHA-A(9)					FDA-A			FUA-A			FAA-B		FNA-A9	
capacity class	50	60	71	100	125	50	60	50	60	50	60	71	100	125	50	60	71	100	125	125	200	250	71	100	125	71	100	50	60
RZA200D	4	3	3	2		4	3	4	3	4	3	3	2		4	3	3	2			P		3	2		3	2	4	3
RZA250D		4			2		4		4		4			2		4			2	2		P			2				4

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

RZA-D

Indoor Unit				RZA	200D	250D
Dimensions	Unit	HeightxWidthxDepth		mm	870x1,100x460	
Weight	Unit			kg	117	
Sound power level	Cooling			dBA	73	76
	Heating			dBA	76	79
Sound pressure level	Cooling	Nom.		dBA	53	57
	Heating	Nom.		dBA	60	63
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-20 ~46	
	Heating	Ambient	Min.~Max.	°CWB	-20 ~15	
Refrigerant	Type/GWP				R-32/675	
	Charge			kg/TCO2Eq	5/3.38	
Piping connections	Liquid/ Gas	OD		mm	9.52/22.2	
	Piping length	OU - IU	Max.	m	100	
		System	Chargeless	m	30	
	Additional refrigerant charge			kg/m	See installation manual	
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/380-415	
Current - 50Hz	Maximum fuse amps (MFA)			A	20	

Contains fluorinated greenhouse gases

R-32

SkyAir Active-series BLUEVOLUTION

Sky Air Active-series

Ideal solution for busy environments and small shops

› High efficiency:
  - Energy labels up to A+ (cooling) / A (heating)
  - compressor offers substantial efficiency improvements
› Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency
› Very compact and easy to install
› Replace existing systems with R-32 technology without needing to replace the piping

› Guarantees operation in heating mode down to -15°C and in cooling mode down to -5°C
› Refrigerant cooled PCB guarantees reliable cooling, as it is not influenced by ambient temperature.
› Piping length up to 30m
› Exclusively offered for pair applications

AZAS100-140MV1_MY1

Pair application

	FCAG-B				FBA-A(9)				FAA-B				ADEA-A		
Capacity class	71	100	125	140	71	100	125	140	71	100	125	140	71	100	125
ARXM-R	P				P				P				P		
AZAS-MV1		P	P	P		P	P	P		P				P	P
AZAS-MY1		P	P	P		P	P	P		P					

P = pair application

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

ARXM-R AZAS-MV1 AZAS-MY1

Outdoor Unit					ARXM71R	AZAS100MV1	AZAS125MV1	AZAS140MV1	AZAS100MY1	AZAS125MY1	AZAS140MY1
Dimensions	Unit	HeightxWidthxDepth		mm	734x954x401	990x940x320					
Weight	Unit			kg	49.0	70		78	70		77
Sound power level	Cooling			dBA	-	70	71	73	70	71	73
	Heating			dBA	-		71	73	-	71	73
Sound pressure level	Cooling	Nom.		dBA	52.0	53		54	53		54
	Heating	Nom.		dBA	52.0	57					
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10 ~ 50	-5~46					
	Heating	Ambient	Min.~Max.	°CWB	-20 ~ 24	-15~15.5					
Refrigerant	Type/GWP				R-32/675						
	Charge			kg/TCO2Eq	1.15/0.780	2.60/1.76		2.90/1.96	2.60/1.76		2.90/1.96
Piping connections	Liquid/Gas OD			mm	9.52/15.9						
	Piping length	OU - IU	Max.	m	30						
		System	Equivalent	m	-	50					
			Chargeless	m	-	30					
	Additional refrigerant charge			kg/m	0.035 (for piping length exceeding 10m)	See installation manual					
	Level difference	IU - OU	Max.	m	20.0	30.0					
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240				3~/50/380-415		
Current - 50Hz	Maximum fuse amps (MFA)			A	-	25		32	16		

Contains fluorinated greenhouse gases

Wide range

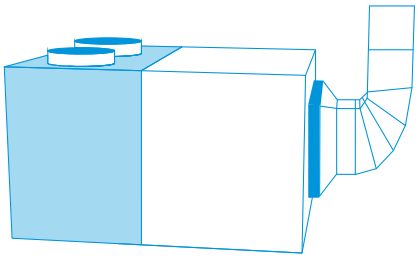
of R-32 rooftop units to cover your needs

Rooftop

Wide range

of R-32 rooftop units to cover your needs

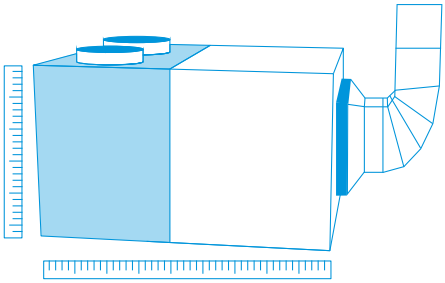
Made-To-Stock units (MTS)



48 predefined units readily available from stock

› Fast delivery
› 3 versions: Base, 2 dampers and 3 dampers
  › Thermodynamic heat recovery available on full FC3 range
› Capacity up to 190 kW!
› Comes with a wide range of standard integrated features

Made-To-Order units (MTO)



Fully customizable units for maximum flexibility

› Almost infinite configuration possibilities thanks to wide choice of options
› 4 versions: Base, 2 dampers, 3 dampers and 4 dampers
  › Thermodynamic heat recovery available on full FC3 range
  › Premium efficiency plate heat exchanger available on RS4 range
› Capacity up to 190 kW!
› Comes with a wide range of standard integrated features
› Easy selection via selection software: rooftop.daikin.eu

Products overview rooftops

BLUEVOLUTION

Capacity class (kW)

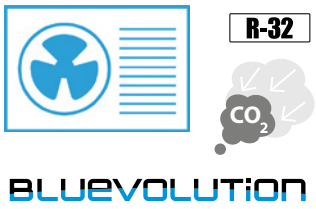
Type	Model	MTS Product name	Refrigerant	Version	25	30	40	50	60	70	80	90	100	110	120	140	150	160	180	190
Air cooled Heat pump	Rooftop unit With extensive base package for high installation flexibility and easy servicing - 'Plug and play' for easy installation - High efficiency - Flexible supply and return air direction - Direct integration with Daikin or third party BMS - Factory pre-charged refrigerant	UATYA-BBAY1	R-32	MTS MTO	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Rooftop unit 2 damper version with integrated fresh air - Free cooling with up to 100% fresh air intake - Comes with all Base model features	UATYA-BFC2Y1		MTS MTO	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Rooftop unit 3 damper version with integrated fresh air and extraction - Integrated extraction damper eliminates over-pressure - Thermodynamic heat recovery, recovering waste heat - Comes with all FC2 model features	UATYA-BFC3Y1		MTS MTO	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
	Rooftop unit 4 damper version with integrated fresh air, extraction and plate heat exchanger - Premium efficiency plate heat exchanger, recovering waste heat - Comes with all FC3 model features	UATYA-BRS4*		MTO	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•	•

* Indicative model name. Correct model name to be retrieved from selection software.

Standard integrated features on all Made-To-Stock and Made-To-Order units

1 R-32 refrigerant

› Top sustainability thanks to the use of low GWP (675) refrigerant
› Single component refrigerant, easy to re-use and recycle



2 Inverter driven compressors

› Great year-round seasonal efficiency
› Available up to 120 kW models

3 Capacity range up to 190 kW!

› More flexibility to tackle larger projects with a small footprint

4 25 mm double skinned panels

› Ensuring long-lasting life and providing good thermal and sound insulation

5 Full color touch display

› Intuitive to use
› Better visualisation of unit parameters

6 Integrated connectivity

› Direct integration into Daikin intelligent Touch Manager BMS (via BACNET protocol)
› Easy integration in 3rd party BMS systems via Ethernet port (BACnet TCP/IP & Modbus TCP/IP) or 3-cable port (Modbus over RS485)

7 Selection software

› Easy selection of the correction unit and options based on location conditions
› Direct availability of technical drawings

Select and configure your rooftop now!
rooftop.daikin.eu

8 BIM objects

› All made to stock units available as Revit, IFC, Archicad and AutoCAD files
› All made to order units available as Revit

Revit
IFC
Archicad
AutoCAD

Download our objects now!
bim.daikin.eu

More standard integrated features

› ISO Coarse 75% filter (G4) (standard for MTS only)
› Standard clogged filter alarm
› Flexible air delivery
› Hydrophilic aluminum fins on indoor and outdoor unit side
› Mesh coil guard on outdoor heat exchanger
› Factory mounted drain pan with heater
› Single operation voltage-free contact
› Power supply connection safety through max/min voltage relay and reversed phase connection

4 versions to choose from

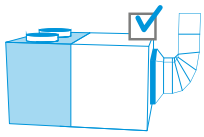
UATYA-BBAY1

High installation flexibility and easy servicing

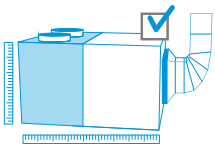
› Easy to install 'plug and play' concept plus single installation configuration; no additional piping is required since indoor and outdoor sides are pre-connected

› High efficiency and reliable scroll compressor

› Factory pre-charged refrigerant ensures clean and efficient operation

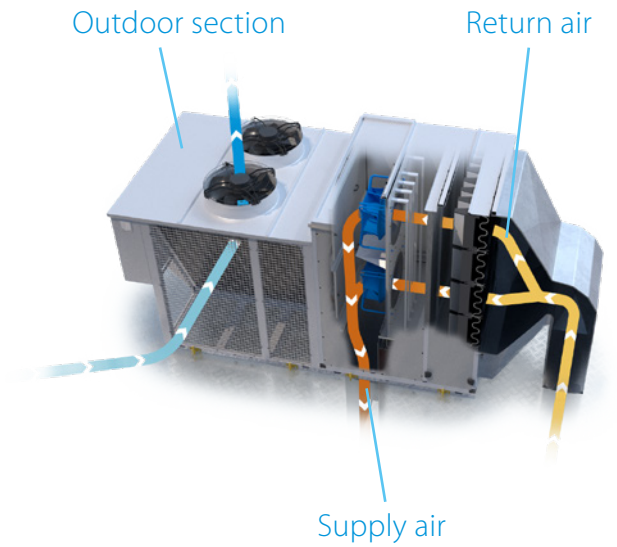


Made-To-Stock units (MTS)



Made-To-Order units (MTO)

HEATING OPERATION EXAMPLE

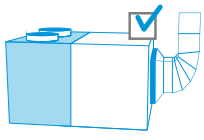


UATYA-BFC2Y1

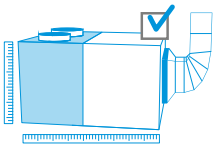
2 damper version, with integrated fresh air

› Free cooling with up to 100% fresh air possible
  › Improved air quality
  › Energy saving using fresh outdoor air to cool the building

› Includes all Base model features

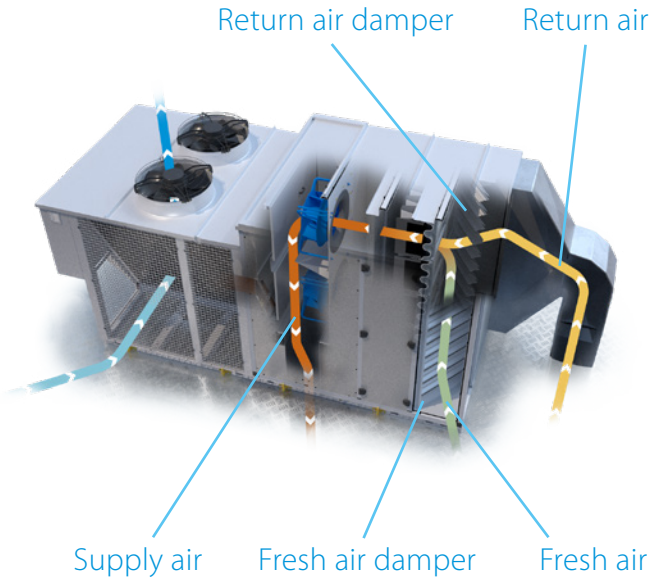


Made-To-Stock units (MTS)



Made-To-Order units (MTO)

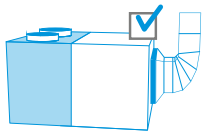
HEATING OPERATION EXAMPLE



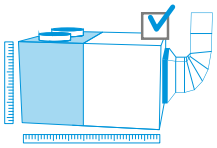
UATYA-BFC3Y1

3 damper version, with integrated fresh air and extraction

- Extraction damper integrated
  - Eliminates excessive overpressure in the building
  - Including high efficient extraction fan for optimum air circulation in larger buildings
- Thermodynamic heat recovery
  - Saves energy by recovering waste heat through the outdoor heat exchanger
  - Available on all models
- Includes all FC2 model features

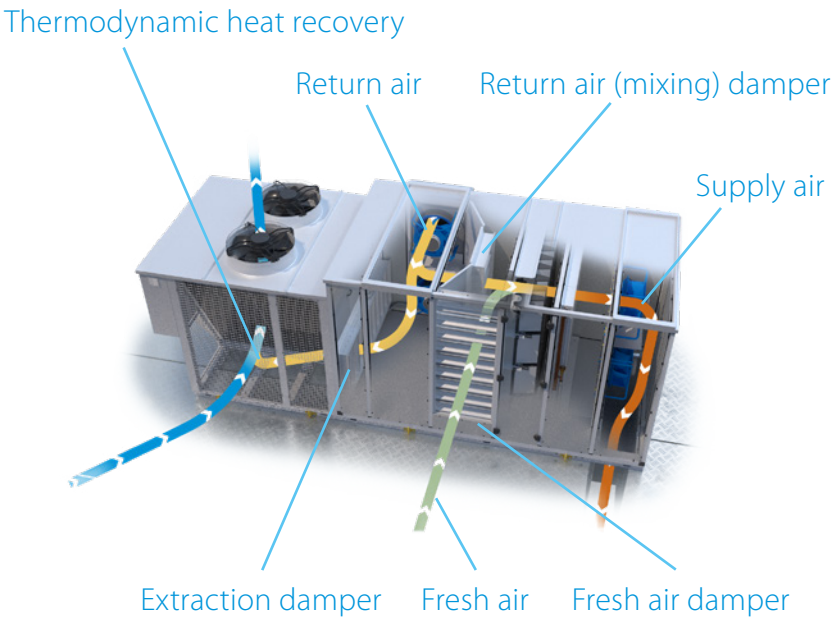


Made-To-Stock units (MTS)



Made-To-Order units (MTO)

HEATING OPERATION EXAMPLE

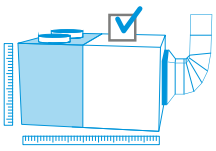


UATYA-BRS4*

4 damper version, with integrated fresh air, extraction and plate heat recovery

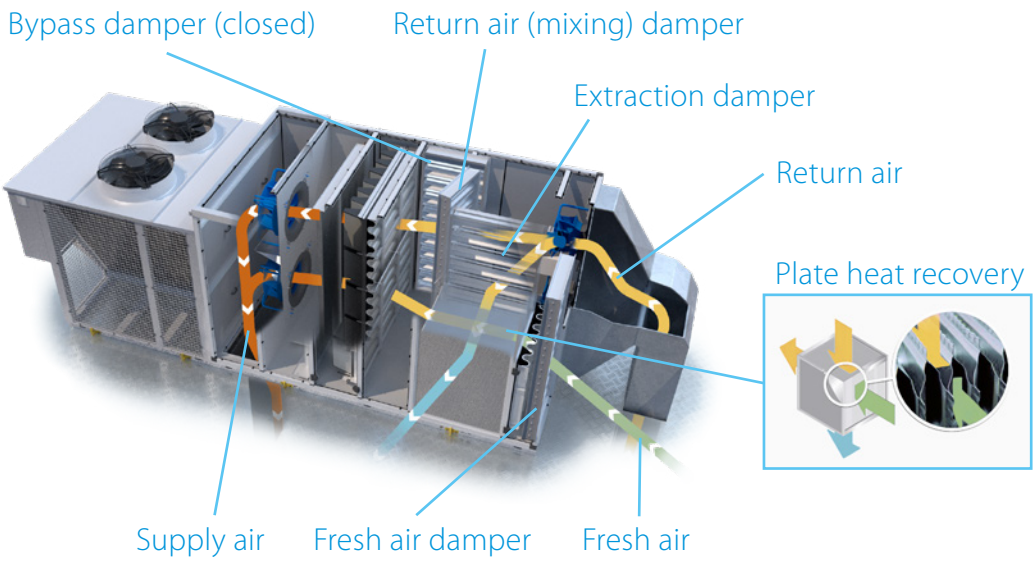
- Premium efficiency counter flow plate heat exchanger
  - Recovers up to 58% waste heat from the return air
  - Available in 50% and 100% return air heat recovery
- Bypass damper to allow plate heat exchange or free cooling
- Additional thermodynamic heat recovery available up to 50kW models
- Includes all FC3 model features
- Only available as Made-To-Order model

* Indicative model name. Correct model name to be retrieved from selection software.

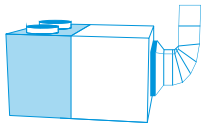


Made-To-Order units (MTO) only

PLATE HEAT RECOVERY MODE IN HEATING OPERATION



Specifications Made-To-Stock units



UATYA-BBAY1

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

UATYA-BBAY1

UATYA20-30BBAY1

Indoor Unit					UATYA-BBAY1	25	30	40	50	60	70	80	90	100	110	120	140	150	160	180	190
Cooling capacity	Nom.			kW		25.8	33.4	38.7	45.7	58.8	65.3	74.8	89.8	95.8	108.9	115.0	133.4	144.7	154.6	171.9	187.0
Heating capacity	Nom.			kW		25.3	31.1	36.3	46.2	55.1	64.9	68.5	84.2	92.8	101.5	108.0	123.1	136.4	147.1	157.1	176.9
EER						2.83	3.09	3.06	2.96	3.12	2.92	3.09	3.06	2.97	2.99	2.91	3.14	3.02	3.05	3.07	2.97
COP						3.22	3.31	3.26	3.24	3.25	3.21	3.37	3.22	3.20	3.35	3.25	3.44	3.33	3.26	3.33	3.27
Space cooling	Capacity	Pdesign		kW		25.8	33.4	38.7	45.7	58.8	65.3	74.8	89.8	95.8	108.9	115.0	133.4	144.7	154.6	171.9	187.0
	SEER					4.62	4.89	5.39	5.26	5.50	4.53	5.56	5.47	5.17	5.29	5.15	4.38	4.26	4.27	4.15	4.08
	ηs,c			%		181.6	192.6	212.5	207.0	217.1	178.1	219.4	215.8	203.7	208.6	203.0	172.1	167.2	167.6	162.8	160.2
Space heating (Average climate)	Capacity	Pdesign		kW		25.3	31.1	36.3	46.2	55.1	64.9	68.5	84.2	92.8	101.5	108.0	123.1	136.4	147.1	157.1	176.9
	SCOP/A					3.35	3.38	3.67	3.65	3.47	3.41	3.70	3.65	3.62	3.56	3.53	3.39	3.36	3.34	3.31	3.34
	ηs,h			%		131.0	132.2	143.8	143.0	135.6	133.5	145.2	143.0	141.6	139.3	138.3	132.5	131.4	130.8	129.5	130.6
Evaporator	Supply side	Air discharge direction				Bottom, Right, Left															
		Fan	Air flow rate	m^3/h		4,500	5,800	7,500	9,000	11,000	13,000	14,500	16,500	18,000	19,800	21,600	25,000	26,500	28,000	30,500	31,500
			Nominal ESP	Pa		300															
	Return side	Air intake direction				Rear															
		Thermodynamic heat recovery				No															
	Fresh air	Standard				No															
Condenser	Air flow rate	Cooling		m^3/h		15,725	16,038	16,374	16,341	31,183	32,203	35,774	37,285	36,195	38,143	36,865	70,704	72,395	67,733	70,200	72,005
	Refrigerant	GWP				675															
		Charge		kg/TCO2Eq		7.0/4,725	10.0/6,750	12.0/8,100	15.0/10,125	18.0/12,150		23.0/15,525	24.0/16,200	28.0/18,900	30.0/20,250	36.0/24,300	38.0/25,650		46.0/31,050	50.0/33,750	
Dimensions	Unit	Height		mm		1,924		2,374		1,924		2,374									
		Width		mm		2,250															
		Depth		mm		2,427				4,317							5,117				
Weight	Unit			kg		852	908	966	986	1,551	1,651	1,798	1,856	1,922	2,008	2,018	2,454	2,462	2,504	2,558	2,636
Casing	Colour					RAL 7035															
Sound pressure level	Cooling			dBA		63.9	66.0	68.0	67.3	69.0	68.1	72.6	68.7	69.9	70.6	74.2	68.3		68.7	69.1	70.0
Sound power level	Cooling			dBA		82.2	84.3	86.8	86.1	88.5	87.5	92.5	88.6	89.8	90.5	94.1	88.6		89.0	89.3	90.2
Operation range	Cooling	Min. ~ Max.		°CDB		-10 ~ 48															
	Heating	Min. ~ Max.		°CWB		-15 ~ 26															
Power supply	Phase/Frequency/Voltage			Hz/V		3~/50/400															
Current	Recommended fuses			A		25	40		50		63	80	100				160			200	

UATYA-BFC2Y1

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

UATYA-BFC2Y1

UATYA60-70BFC2Y1

Indoor Unit					UATYA-BFC2Y1	25	30	40	50	60	70	80	90	100	110	120	140	150	160	180	190
Cooling capacity	Nom.			kW		25.8	33.4	38.7	45.7	58.8	65.3	74.8	89.8	95.8	108.9	115.0	133.4	144.7	154.6	171.9	187.0
	With 30% fresh air			kW		27.7	35.9	41.5	48.9	63.0	69.9	80.7	96.6	102.7	117.0	122.7	143.1	154.9	165.7	184.2	200.5
Heating capacity	Nom.			kW		25.3	31.1	36.3	46.2	55.1	64.9	68.5	84.2	92.8	101.5	108.0	123.1	136.4	147.1	157.1	176.9
	With 30% fresh air			kW		25.6	31.3	36.5	46.3	55.1	65.1	69.2	84.7	94.8	102.1	108.7	124.2	137.5	148.4	158.7	180.2
EER	With 30% fresh air					2.97	3.26	3.21	3.10	3.28	3.06	3.26	3.24	3.13	3.13	3.03	3.29	3.16	3.19	3.21	3.10
COP	With 30% fresh air					3.41	3.56	3.48	3.51	3.47	3.44	3.62	3.47	3.46	3.60	3.48	3.69	3.57	3.50	3.58	3.55
Space cooling	Capacity	Pdesign		kW		25.8	33.4	38.7	45.7	58.8	65.3	74.8	89.8	95.8	108.9	115.0	133.4	144.7	154.6	171.9	187.0
	SEER					4.62	4.89	5.39	5.26	5.50	4.53	5.56	5.47	5.17	5.29	5.15	4.38	4.26	4.27	4.15	4.08
	ηs,c			%		181.6	192.6	212.5	207.0	217.1	178.1	219.4	215.8	203.7	208.6	203.0	172.1	167.2	167.6	162.8	160.2
Space heating (Average climate)	Capacity	Pdesign		kW		25.3	31.1	36.3	46.2	55.1	64.9	68.5	84.2	92.8	101.5	108.0	123.1	136.4	147.1	157.1	176.9
	SCOP/A					3.35	3.38	3.67	3.65	3.47	3.41	3.70	3.65	3.62	3.56	3.53	3.39	3.36	3.34	3.31	3.34
	ηs,h			%		131.0	132.2	143.8	143.0	135.6	133.5	145.2	143.0	141.6	139.3	138.3	132.5	131.4	130.8	129.5	130.6
Evaporator	Supply side	Air discharge direction				Frontal, Left				Bottom, Right, Left											
		Fan	Air flow rate	m^3/h		4,500	5,800	7,500	9,000	11,000	13,000	14,500	16,500	18,000	19,800	21,600	25,000	26,500	28,000	30,500	31,500
			Nominal ESP	Pa		300															
	Return side	Air intake direction				Rear, Left, Right															
		Thermodynamic heat recovery				No															
	Fresh air	Standard				Yes															
		Ratio	Standard	%		30															
			In free cooling	%		100															
Condenser	Air flow rate	Cooling		m^3/h		15,725	16,038	16,374	16,341	31,183	32,203	35,774	37,285	36,195	38,143	36,865	70,704	72,395	67,733	70,200	72,005
	Refrigerant	GWP				675															
		Charge		kg/TCO2Eq		7.0/4,725	10.0/6,750	12.0/8,100	15.0/10,125	18.0/12,150		23.0/15,525	24.0/16,200	28.0/18,900	30.0/20,250	36.0/24,300	38.0/25,650		46.0/31,050	50.0/33,750	
Dimensions	Unit	Height		mm		1,924		2,374		1,924		2,374									
		Width		mm		2,250															
		Depth		mm		2,943				4,879							5,679				
Weight	Unit			kg		981	1,014	1,084	1,143	1,703	1,803	1,984	2,040	2,110	2,196	2,206	2,658	2,668	2,708	2,746	2,828
Casing	Colour					RAL 7035															
Sound pressure level	Cooling			dBA		63.9	66.0	68.0	67.3	69.0	68.1	72.6	68.7	69.9	70.6	74.2	68.3		68.7	69.1	70.0
Sound power level	Cooling			dBA		82.2	84.3	86.8	86.1	88.5	87.5	92.5	88.6	89.8	90.5	94.1	88.6		89.0	89.3	90.2
Operation range	Cooling	Min. ~ Max.		°CDB		-10 ~ 48															
	Heating	Min. ~ Max.		°CWB		-15 ~ 26															
Power supply	Phase/Frequency/Voltage			Hz/V		3~/50/400															
Current	Recommended fuses			A		25	40		50		63	80	100				160			200	

UATYA-BFC3Y1

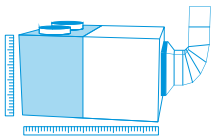
UATYA80-120BFC3Y1

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

UATYA-BFC3Y1

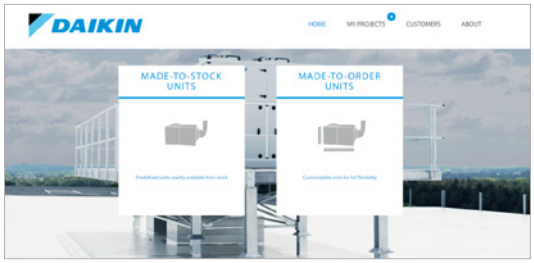
Indoor Unit					UATYA-BFC3Y1	25	30	40	50	60	70	80	90	100	110	120	140	150	160	180	190
Cooling capacity	Nom.				kW	25.8	33.4	38.7	45.7	58.8	65.3	74.8	89.8	95.8	108.9	115.0	133.4	144.7	154.6	171.9	187.0
	With 30% fresh air				kW	27.8	36.1	42.5	49.6	63.7	70.5	81.3	96.8	104.3	118.0	124.5	145.6	156.8	168.3	186.5	204.4
Heating capacity	Nom.				kW	25.3	31.1	36.3	46.2	55.1	64.9	68.5	84.2	92.8	101.5	108.0	123.1	136.4	147.1	157.1	176.9
	With 30% fresh air				kW	26.0	32.4	38.3	47.7	57.1	68.6	71.6	87.2	97.9	107.0	112.3	132.0	147.5	160.0	173.5	191.6
EER	With 30% fresh air					2.96	3.20	3.27	3.12	3.23	3.00	3.21	3.22	3.14	3.11	3.01	3.26	3.14	3.18	3.21	3.14
COP	With 30% fresh air					3.38	3.48	3.51	3.46	3.40	3.39	3.56	3.45	3.42	3.57	3.40	3.62	3.57	3.49	3.63	3.50
Space cooling	Capacity	Pdesign			kW	25.8	33.4	38.7	45.7	58.8	65.3	74.8	89.8	95.8	108.9	115.0	133.4	144.7	154.6	171.9	187.0
	SEER					4.62	4.89	5.39	5.26	5.50	4.53	5.56	5.47	5.17	5.29	5.15	4.38	4.26	4.27	4.15	4.08
	ηs,c				%	181.6	192.6	212.5	207.0	217.1	178.1	219.4	215.8	203.7	208.6	203.0	172.1	167.2	167.6	162.8	160.2
Space heating (Average climate)	Capacity	Pdesign			kW	25.3	31.1	36.3	46.2	55.1	64.9	68.5	84.2	92.8	101.5	108.0	123.1	136.4	147.1	157.1	176.9
	SCOP/A					3.35	3.38	3.67	3.65	3.47	3.41	3.70	3.65	3.62	3.56	3.53	3.39	3.36	3.34	3.31	3.34
	ηs,h				%	131.0	132.2	143.8	143.0	135.6	133.5	145.2	143.0	141.6	139.3	138.3	132.5	131.4	130.8	129.5	130.6
Evaporator	Supply side	Air discharge direction				Frontal, Left				Bottom, Right, Left, Frontal											
		Fan	Air flow rate		m^3/h	4,500	5,800	7,500	9,000	11,000	13,000	14,500	16,500	18,000	19,800	21,600	25,000	26,500	28,000	30,500	31,500
			Nominal ESP		Pa	300															
	Return side	Air intake direction				Rear				Right											
		Fan	Air flow rate		m^3/min	4,500	5,800	7,500	9,000	11,000	13,000	14,500	16,500	18,000	19,800	21,600	25,000	26,500	28,000	30,500	31,500
			Nominal ESP		Pa	300															
		Thermodynamic heat recovery				Yes															
	Fresh air	Standard				Yes															
		Ratio	Standard		%	30															
			In free cooling		%	100															
Condenser	Air flow rate	Cooling			m^3/h	15,725	16,038	16,374	16,341	31,183	32,203	35,774	37,285	36,195	38,143	36,865	70,704	72,395	67,733	70,200	72,005
	Refrigerant	GWP				675															
		Charge			kg/TCO2Eq	7.0/4,725	10.0/6,750	12.0/8,100	15.0/10,125	18.0/12,150		23.0/15,525	24.0/16,200	28.0/18,900	30.0/20,250	36.0/24,300	38.0/25,650		46.0/31,050	50.0/33,750	
Dimensions	Unit	Height			mm	1,924		2,374		1,924		2,374									
		Width			mm	2,250															
		Depth			mm	3,514				6,317							7,117				
Weight	Unit				kg	1,166	1,196	1,310	1,329	1,996	2,094	2,336	2,382	2,452	2,548	2,558	3,024	3,035	3,074	3,192	3,271
Casing	Colour					RAL 7035															
Sound pressure level	Cooling				dBA	63.9	66.0	68.0	67.3	69.0	68.1	72.6	68.7	69.9	70.6	74.2	68.3		68.7	69.1	70.0
Sound power level	Cooling				dBA	82.2	84.3	86.8	86.1	88.5	87.5	92.5	88.6	89.8	90.5	94.1	88.6		89.0	89.3	90.2
Operation range	Cooling	Min. ~ Max.			°CDB	-10 ~ 48															
	Heating	Min. ~ Max.			°CWB	-15 ~ 26															
Power supply	Phase/Frequency/Voltage				Hz/V	3~/50/400															
Current	Recommended fuses				A	25	40		50	63	80	100					160			200	

Specifications Made-To-Order units



All naming in the tables above is valid for Made-To-Stock units only.

For specifications and configuration of Made-To-Order units refer to our selection software.



Select and configure your rooftop now!
rooftop.daikin.eu

Commercial Ventilation & Air Purification

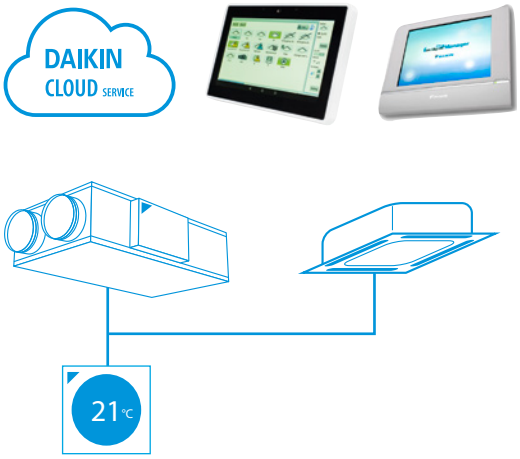
5 reasons why Daikin's ventilation range is unique in the market

1 Market leading controls & connectivity

› Interlock of ventilation and air conditioning system
- Control ERV/HRV and air conditioning from the same controller
- Aligns the operation mode between the systems to save energy

› Easy integration in the total solution
- Online control and monitoring via the Daikin Cloud Service
- Full portfolio integration in the intelligent Touch Manager, Daikin's cost-effective mini BMS

› User-friendly controller with premium design
- Intuitive touch button control



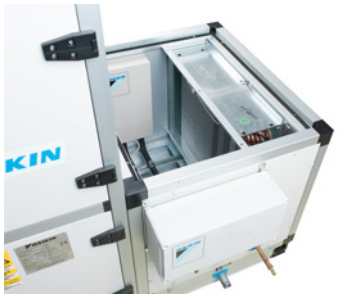
Madoka

DESIGN AWARD 2018

reddot award 2018 winner

2 Unique installation benefits

› Integrates seamlessly in the Daikin total solution, ensuring a single point of contact
› Total fresh air solution with Daikin supplying the VAM/Modular L Smart, Modular Top (smart) and the electrical heater
› Daikin AHU and condensing unit connect Plug & Play thanks to same pipe diameters, factory mounted controls, expansion valves, etc.



3 High energy efficiency

› Energy recovery of up to 92%, reducing running costs
› Free nighttime cooling using fresh outside air
› Inverter driven centrifugal fans
› ErP compliant

Up to 92% energy recovery

4 Best comfort

› Wide range of units to control fresh air and humidity
› Wide range of optional filters to suit the application available up to ePM1 80% (F9)
› Special paper heat exchanger recovers heat and moisture from extract air to warm up and humidify fresh air to comfortable levels (VAM, VKM)

EUROVENT CERTIFIED PERFORMANCE www.eurovent-certification.com

5 Top reliability

› Most extensive testing before new units leave the factory
› Widest support network and after sales service
› All spare parts available in Europe

ErP COMPLIANT

Did you know?

CO_2 levels and ventilation rates all have significant, independent impacts on cognitive function:

COGNITIVE FUNCTION SCORES …

+ 61% IN GREEN BUILDING CONDITIONS

+ 101% IN ENHANCED GREEN BUILDING CONDITIONS

Widest range of DX integrated ventilation on the market

Daikin offers a variety of solutions from small energy recovery ventilation to large-scale air handling units for the provision of fresh air ventilation to homes, or commercial premises.

Ventilation solutions

Daikin offers state-of-the-art ventilation solutions that can easily be integrated into any project:

› **Unique portfolio** within DX manufacturers
› High-quality solutions complying with the **highest Daikin quality standards**
› **Seamless integration** of all products to provide the best indoor climate
› All Daikin products connected to a single controller for **complete control** of the HVAC system.

Energy Recovery Ventilation

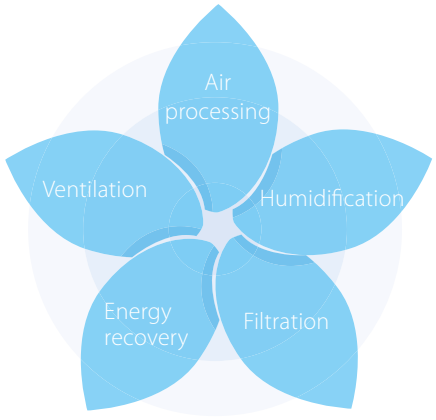
Our energy recovery units **recover sensible energy** (Modular L Pro / Modular L Smart / Modular Top / Modular Smart) or **total (sensible + latent) energy** (VAM/EKVDX/VKM-GBM), substantially reducing the load on the air conditioning system up to 40%.

Ventilation with DX connection - Control over fresh air temperature

Daikin offers a range of inverter condensing units to be used in combination with Daikin AHUs for ultimate control over the fresh air. There are 4 control possibilities when **combining AHU and Daikin outdoor units** hence offering all the required flexibility for any installation. Indoor units can be combined to the same outdoor unit to reduce the installation costs. For **false-ceiling installations** where space is a constraint, the VKM can fit perfectly to deliver fresh air at a comfortable temperature and it has an optional humidification element.

Indoor Environment Quality Components

› **Ventilation:** Ensures the provision of fresh and clean air
› **Energy recovery:** Delivers energy savings by transferring heat and moisture between airflows thus helping to bring supply air to the required indoor conditions for temperature and humidity
› **Air processing:** Delivers the required conditioned air to optimize the energy efficiency of indoor HVAC equipment
› **Humidification:** Ensures the desired moisture level in the conditioned space
› **Filtration:** Ensures clean and healthy air by filtering out pollen, dust, odors and other contaminants that are harmful to our health



Fresh air portfolio

150 | 500 | 1,000 | 2,000 | 2,500 | 3,000 | 3,500 | 4,000 | 15,000 | 25,000 | 140,000 [m³/h]

Decentralised systems

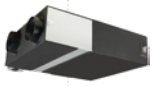
NEW

- Low power consumption and low Specific Fan Power
- Superior IAQ level: up to three stage filtration on supply side
- Plug&Play control solution, for a quick and easy start-up
- Starting from 550 mm width, for an air flow up to 1,100 m³/h
- DX coil integration for a unique Daikin fresh air package

D-AHU MODULAR T (SMART)

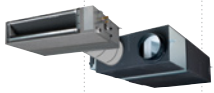
- High efficiency counterflow heat exchanger
- Free-cooling operation
- EC centrifugal fan
- Wide range of options
- Smart version connects Plug & Play to Sky Air / VRV systems

D-AHU MODULAR L (SMART)



- Compact size
- High energy efficient paper recovering sensible and latent heat
- EC fan motors
- Filter clogging alarm based on pressure

VAM-FC9 / VAM-J

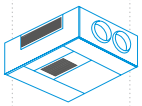


- DX coil for post-treatment of fresh air
- Split up concept increases application flexibility
- Integrates both in R-32 and R-410A VRV systems

VAM + DX COIL

- With DX coil for post-treated fresh air
- Increased comfort
- Humidifier option

VKM-GBM



- Does not require any ductwork
- Ceiling mounted installation
- Quick installation

NEW **PLUG&PLAY UNIT**

Centralised systems

- High efficiency aluminium plate heat exchanger
- Pre-configured sizes
- Plug & Play pre-configured controls
- With DX or water coil option

D-AHU MODULAR P

- Rotary heat exchanger (sorption and sensible technology)
- Pre-configured sizes
- Plug & Play pre-configured controls
- With DX or water coil option

D-AHU MODULAR R

- Fully customizable
- Plug & play
- 4 types of control
- With DX or water coil option

D-AHU Professional

Outdoor units portfolio for connection to air handling units

System	Type	Product name	Condensing units		71	100	125	140	200	250
Air cooled	Heat pump	ERQ-AV1 [1] Condensing Units	- High efficiency - High comfort levels - Easy design and installation - Maximize installation flexibility by offering 4 types of control systems			•	•	•		
		ERQ-AW1 [1] Condensing Units					•		•	•

1) Only use the condensing units in combinations with an air handling unit.

Modular T Smart

Top connected Air Handling Unit

ATB-S

Highlights

- Duct connections are located at the top, reducing the unit's footprint
- Low power consumption and low SFP (Specific Fan Power) for a very efficient unit operation
- Superior IAQ level: up to three stage filtration on supply side (more than the 90% of PM1 is removed from outdoor air)
- Plug&Play control solution, for a quick and easy start-up
- Very compact unit, starting from 550 mm width, for an air flow up to 1,100 m^3/h
- DX coil integration for a unique Daikin fresh air package available for connection to VRV or ERQ

IAQ matters

An excellent IAQ improves people's performance and well-being, and decreases risk factors for various diseases. Modular T satisfies the ventilation and filtration needs of the indoor environment, guaranteeing an outstanding level of IAQ.

The future of ventilation

The Modular T, with its unique features, represents the latest product developed by Daikin for fresh air treatment and not only. Thanks to its optimized design, it can be easily transported and installed into new projects or existing buildings.

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

ATB

Technical details

MODULAR T Pro & Smart	Size (1)	03	04	05	06	07
Airflow	m^3/h	800	1,650	2,300	2,700	3,900
HE Thermal efficiency (2)	%	89.3	88.3	85.1	85.5	90.8
External static pressure	Pa			100		
Current	A	1.70	3.39	4.61	5.17	7.87
Power input	kW	0.39	0.78	1.06	1.19	1.81
SFPv (2)	$kW/m^3/s$	1.47	1.5	1.49	1.41	1.5
Electrical supply	Phase (ph)			1		
	Frequency (Hz)			50/60		
	Voltage (V)			220/240 Vac		
Main unit Dimensions	Width (mm)	550		790		890
	Height (3) (mm)	1,600		1,900	1,850	2,050
	Length (mm)	1,580	1,650	2,170 (4)	2,620 (5)	2,950 (5)
Circular duct flange	Diameter (mm)	255	315	355	400	500
Unit sound power level	dBA	57	52	55		58
Unit sound pressure level (6)	dBA	50	45	48		51
Weight unit	Kg	200	250	400	500	620

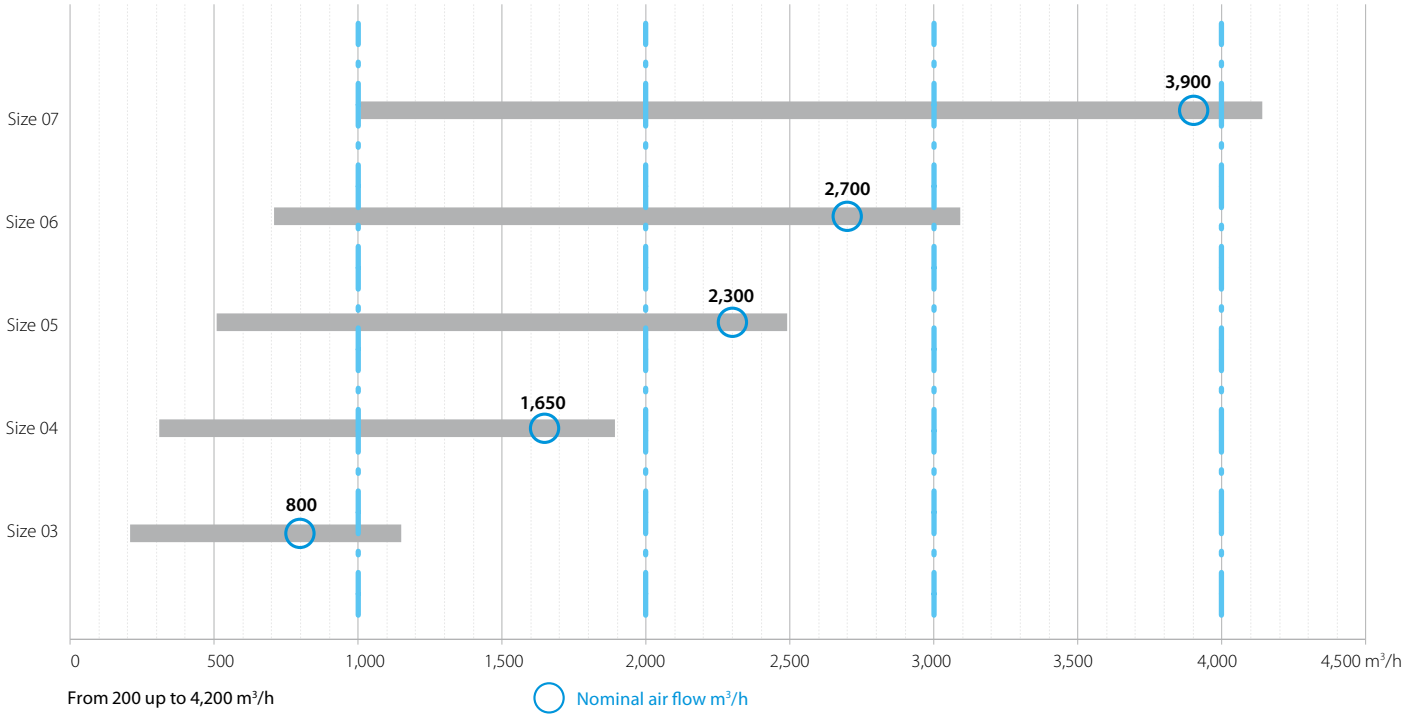
(1) All size available in Smart or Pro version and right or left handing | (2) Outdoor condition: -5°C, 90% Indoor condition: 25°C, 50% | (3) Including feet and duct connections | (4) Size 05 is provided in two sections | (5) Size 06 and 07 are provided in three sections | (6) Simple source reference value at 1 meter, directivity factor Q=4 (quarter sphere) and non-reverberant field. Allowances on declared values: +/- 3dB

Air flow range

Modular T is available in 5 sizes covering a wide range of applications such as hotels, offices, schools, gyms and light commercial buildings.

Sectioning

To ensure an easy and quick installation Modular T size 05 will be provided in two sections, while size 06 and 07 in three sections to pass smoothly through standard doors[1].



1. Please refer to technical data table at page 6 for more details

Modular L Smart

Premium efficiency heat recovery unit

Highlights

- Connects Plug&Play into the Sky Air and VRV control network
- Easy installation and commissioning
- Internal pre-filter stage (up to ePM_1 50% (F7) + ePM_1 80% (F9)) making the unit reach highest indoor air quality requirements.
- Wide air flow coverage from 150m³/h to 3,400m³/h
- Exceeding ErP 2018 requirements
- Best choice when compactness is needed (only 280 mm height up to 550 m³/h)
- 50 mm double skin panel (120 kg/m³) for a maximum sound and thermal insulation

EC centrifugal fan

- Maximum ESP available 600 Pa (depending on model sizes and airflow)
- Inverter driven with IE4 premium efficiency motor
- High-efficient blade profiling
- Reduced energy consumption
- Optimized SFP (Specific Fan Power) for an efficient unit operation

Heat exchanger

- Premium quality counter flow plate heat exchanger
- Up to 91% of the thermal energy recovered
- High grade aluminum allowing optimum corrosion protection

Right drain connection (ALB-RBS)

Left drain connection (ALB-LBS)

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

ALB-LBS

ALB-RBS

Technical details

D-AHU Modular L Smart			ALB02*BS	ALB03*BS	ALB04*BS	ALB05*BS	ALB06*BS	ALB07*BS
Airflow		m³/h	300	600	1,200	1,600	2,300	3,000
Heat exchanger thermal efficiency (1)		%	86		87			86
External static pressure	Nom.	Pa	100					
Current	Nom.	A	0.61	1.35	2.26	2.83	4.39	6.22
Power input	Nom.	kW	0.14	0.31	0.52	0.65	1.01	1.43
SFPv (2)		kW/m³/s	1.25	1.52	1.3	1.35	1.35	1.51
Electrical supply	Phase	ph	1					
	Frequency	Hz	50/60					
	Voltage	V	220/240 Vac					
Main unit dimensions	Width	mm	920	1,100	1,600		2,000	
	Height	mm	280	350	415		500	
	Length	mm	1,660	1,800	2,000			
Rectangular duct flange	Width	mm	250	400	500		700	
	Height	mm	150	200	300		400	
Weight unit		kg	125	180	270	280	355	360

(1) Winter design condition: Outdoor: -5°C, 90% Indoor: 22°C, 50% | (2) SFPv is a parameter that quantifies the fan efficiency (the lower it is the better will be). This reduces if airflow decreases.

Electrical heater for Modular L Smart

- Total solution for fresh air with Daikin supply of both Modular L Smart and electrical heaters
- Increase comfort in low outdoor temperature thanks to the heated outdoor air
- Integrated electrical heater concept (no additional accessories required)
- Standard dual flow and temperature sensor
- Heater only consumes what is required to pre-heat to the desired minimum fresh air temperature; thus saving energy

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

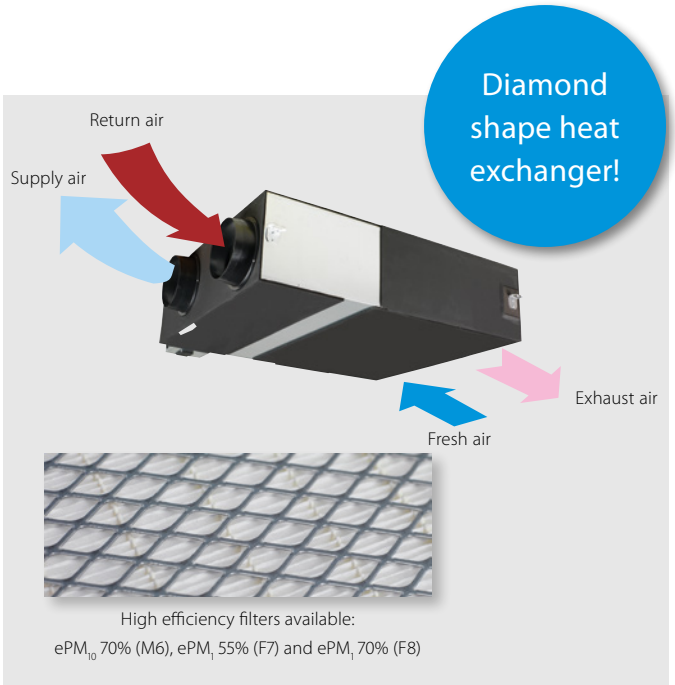
ALD-HEFB

Electrical heater for Modular L Smart (ALD)	02HEFB	03HEFB	05HEFB	07HEFB
Capacity kW	1.5	3	7.5	15
Connectable Modular L Smart size	02	03	04, 05	06, 07
Supply voltage	230V,1ph		400V,3ph	
Output current (maximum) (A)	6.6	13.1	10.9	21.7
Temperature sensor	15k ohms at -20 °C 10k ohms at +10 °C	16k ohms at -20 °C 10k ohms at +10 °C	17k ohms at -20 °C 10k ohms at +10 °C	18k ohms at -20 °C 10k ohms at +10 °C
Temperature control range	- 20 °C to 10 °C			
Control fuse	Mini Circuit Breaker 6 A			
LED indicators	Yellow = Airflow fault Red = Heat ON			
Mounting holes	Depends on duct size			
Maximum ambient adjacent to terminal box	30°C (during operation)			
Auto high temperature cutout	75°C Pre-set			
Manual reset high temperature cutout	120°C Pre-set			
Width (mm)	470	620	720	920
Depth (mm)	370	370	370	370
Height (mm)	193	243	343	443

Energy recovery ventilation

Ventilation with heat recovery as standard

- Thinnest High Efficiency Enthalpy Heat Exchanger in the market (J-series)
- Energy saving ventilation using indoor heating, cooling and moisture recovery
- Free cooling possible when outdoor temperature is below indoor temperature (eg. during nighttime)
- Prevent energy losses from over-ventilation while improving indoor air quality with optional CO_2 sensor (J-series)
- Possibility to change ESP via wired remote control allows optimisation of the supply air volume (J - series)
- Can be used as stand alone or integrated in the Sky Air or VRV system
- Wide range of units: air flow rate from 150 up to 2,000 m^3/h
- Shorter installation time thanks to easy adjustment of nominal air flow rate, so less need for dampers compared with traditional installation
- No drain piping needed
- Can operate in over- and under pressure
- Total solution for fresh air with Daikin supply of both VAM / VKM and electrical heaters
- VAM-J8 series are connectable to EKVDX DX coil for air processing
- Possibility of CO_2 concentration when combining VAM-J8 with optional BRYMA CO_2 sensor and Madoka remote controller (with or without EKVDX)



ErP COMPLIANT

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

VAM-FC9 VAM-J8

Ventilation				VAM/VAM	150FC9	250FC9	350J8	500J8	650J8	800J8	1000J8	1500J8	2000J8
Power input - 50Hz	Heat exchange mode	Nom.	Ultra high/High/Low	kW	0.132/0.111/0.058	0.161/0.079/0.064	0.097/0.070/0.039	0.164/0.113/0.054	0.247/0.173/0.081	0.303/0.212/0.103	0.416/0.307/0.137	0.548/0.384/0.191	0.833/0.614/0.273
	Bypass mode	Nom.	Ultra high/High/Low	kW	0.132/0.111/0.058	0.161/0.079/0.064	0.085/0.061/0.031	0.148/0.100/0.045	0.195/0.131/0.059	0.289/0.194/0.086	0.417/0.300/0.119	0.525/0.350/0.156	0.835/0.600/0.239
Temperature exchange efficiency - 50Hz	Ultra high/High/Low			%	77.0(1)/72.0(2)/78.3(1)/72.3(2)/82.8(1)/73.2(2)	74.9(1)/69.5(2)/76.0(1)/70.0(2)/80.1(1)/72.0(2)	85.1/86.7/90.1	80.0/82.5/87.6	84.3/86.4/90.5	82.5/84.2/87.7	79.6/81.8/86.1	83.2/84.8/88.1	79.6/81.8/86.1
Enthalpy exchange efficiency - 50Hz	Cooling	Ultra high/High/Low		%	60.3(1)/61.9(1)/67.3(1)	60.3(1)/61.2(1)/64.5(1)	65.2/67.9/74.6	59.2/61.8/69.5	59.2/63.8/73.1	67.7/70.7/76.8	62.6/66.4/74.0	68.9/71.8/77.5	62.6/66.4/74.0
	Heating	Ultra high/High/Low		%	66.6(1)/67.9(1)/72.4(1)	66.6(1)/67.4(1)/70.7(1)	75.5/77.6/82.0	69.0/72.2/78.7	73.1/76.3/82.7	72.8/75.3/80.2	68.6/71.7/77.9	73.8/76.1/80.8	68.6/71.7/77.9
Operation mode					Heat exchange mode, bypass mode, fresh-up mode								
Heat exchange system					Air to air cross flow total heat (sensible + latent heat) exchange								
Heat exchange element					Specially processed non-flammable paper								
Dimensions	Unit	HeightxWidthxDepth		mm	285x776x525		301x1,113x886		368x1,354x920	368x1,354x1,172		731x1,354x1,172	
Weight	Unit			kg	24.0		46.5		61.5	79.0		157	
Casing	Material				Galvanised steel plate								
Fan	Air flow rate - 50Hz	Heat exchange mode	Ultra high/High/Low	m^3/h	150/140/105	250/230/155	350 (1)/300 (1)/200 (1)	500 (1)/425 (1)/275 (1)	650 (1)/550 (1)/350 (1)	800 (1)/680 (1)/440 (1)	1,000 (1)/850 (1)/550 (1)	1,500 (1)/1,275 (1)/825 (1)	2,000 (1)/1,700 (1)/1,100 (1)
		Bypass mode	Ultra high/High/Low	m^3/h	150/140/105	250/230/155	350 (1)/300 (1)/200 (1)	500 (1)/425 (1)/275 (1)	650 (1)/550 (1)/350 (1)	800 (1)/680 (1)/440 (1)	1,000 (1)/850 (1)/550 (1)	1,500 (1)/1,275 (1)/825 (1)	2,000 (1)/1,700 (1)/1,100 (1)
	External static pressure - 50Hz	Ultra high/High/Low		Pa	90/87/40	70/63/25	90 (1)/70.0/50.0 (1)						
Air filter	Type				Multidirectional fibrous fleeces		Multidirectional fibrous fleeces (G3)						
Sound pressure level - 50Hz	Heat exchange mode	Ultra high/High/Low		dBA	27.0/26.0/20.5	28.0/26.0/21.0	34.5 (1)/32.0 (1)/29.0 (1)	37.5 (1)/35.0 (1)/30.5 (1)	39.0 (1)/36.0 (1)/31.0 (1)	39.0 (1)/36.0 (1)/30.5 (1)	42.0 (1)/38.5 (1)/32.5 (1)	42.0 (1)/39.0 (1)/33.5 (1)	45.0 (1)/41.5 (1)/36.0 (1)
	Bypass mode	Ultra high/High/Low		dBA	27.0/26.5/20.5	28.0/27.0/21.0	34.5 (1)/32.0 (1)/28.0 (1)	38.0 (1)/35.0 (1)/29.5 (1)	38.0 (1)/34.5 (1)/30.5 (1)	40.0 (1)/36.5 (1)/30.5 (1)	42.5 (1)/40.0 (1)/32.5 (1)	42.0 (1)/39.0 (1)/32.5 (1)	45.0 (1)/41.0 (1)/35.0 (1)
Operation range	Around unit			°CDB	-		0°C~40°CDB, 80% RH or less						
Connection duct diameter				mm	100	150	200		250			2x250	
Power supply	Phase/Frequency/Voltage			Hz/V	1~; 50/60; 220-240/220								
Current	Maximum fuse amps (MFA)			A	15.0		16.0						
Specific energy consumption (SEC)	Cold climate			kWh/(m^2.a)	-56.0 (5)	-60.5 (5)	-						
	Average climate			kWh/(m^2.a)	-22.1 (5)	-27.0 (5)	-						
	Warm climate			kWh/(m^2.a)	-0.100 (5)	-5.30 (5)	-						
SEC class					D / See note 5	B / See note 5	-						
Maximum flow rate at 100 Pa ESP	Flow rate			m^3/h	130	207	-						
	Electric power input			W	129	160	-						
Sound power level (Lwa)				dB	40	43	51	54	58		61	62	65
Annual electricity consumption				kWh/a	18.9 (5)	13.6 (5)	-						
Annual heating saved	Cold climate			kWh/a	41.0 (5)	40.6 (5)	-						
	Average climate			kWh/a	80.2 (5)	79.4 (5)	-						
	Warm climate			kWh/a	18.5 (5)	18.4 (5)	-						

(1)Measured according to JIS B 8628 | (2)Measured at reference flow rate according to EN13141-7 | (5) At reference flow rate in accordance with commission regulation (EU) No 1254/2014

Electrical heater for VAM

- Total solution for fresh air with Daikin supply of both VAM and electrical heaters
- Increased comfort in low outdoor temperature thanks to the heated outdoor air
- Integrated electrical heater concept (no additional accessories required)
- Standard dual flow and temperature sensor
- Flexible setting with adjustable setpoint
- Increased safety with 2 cut-outs: manual & automatic

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

GSIEKA

		GSIEKA	10009	15018	20024	25030	35530[1]
Capacity		kW	0.9	1.8	2.4	3.0	3.0
Duct diameter		mm	100	150	200	250	355
Connectable VAM			VAM150FC9	VAM250FC9	VAM350,500J8	VAM650J8, VAM800J8, VAM1000J8	VAM1500J8, VAM2000J8

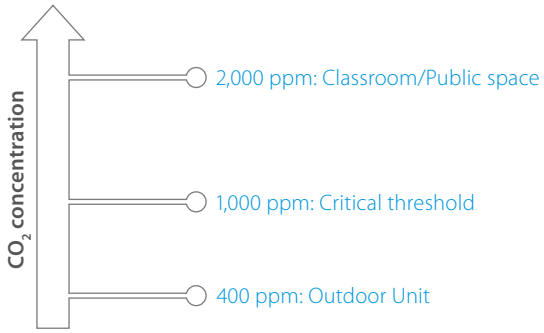
			GSIEKA10009	GSIEKA15018	GSIEKA20024	GSIEKA25030	GSIEKA35530
Dimensions	Height	mm	171	221	271	321	426
	Depth	mm	100	150	200	250	355
	Width	mm	370	370	370	370	373
Minimum air velocity / airflow		m/s	1.5				
		m^3/h	45	100	170	265	535
Power supply			1~230 VAC/50Hz				
Nominal current		A	4.1	8.2	10.9	13.1	13.1
Heating power		kW	0.9	1.8	2.4	3.0	3.0
Connection duct diameter		mm	100	150	200	250	355
Operation range	Min.	°C	-40°C				
	Max.	°C	40°C				
	Rel. Humidity	%	90%				
Temperature sensor			10 kΩ at +25°C / TJ-K10K				
Temperature sensor range			- 30°C to 105°C				
Temperature set point range			- 10°C to 50°C				
LED indicators	LED 1	flashing every 5 seconds	heater is starting up				
		flashing every second	air flow detected, heating allowed				
		OFF	no power supply or no flow				
		ON	problem with duct temperature sensor, set point potentiometer or PTC airflow sensor				
	LED 2	OFF	heater is not operation				
		ON	heater is operating				
Ambient temperature adjacent to controller			0°C to +50°C				
Auto high temperature cut-out			50°C				
Manual reset high temperature cut-out			100°C				

Plug & Play
Heat Recovery Ventilation Unit

Available from
Summer 2023

For Schools and light commercial applications with an immediate need for fresh air

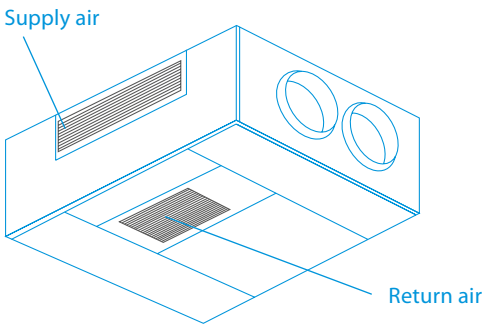
In a public space without ventilation the CO_2 concentrations will quickly rise above 2,000ppm, while a safe and comfortable treshhold is around 1,000ppm. Staying regularly in a space above this treshold leads to fatigue and lower concentration, and can result in long-term health consequences ranging from mild allergies to serious respiratory illnesses.



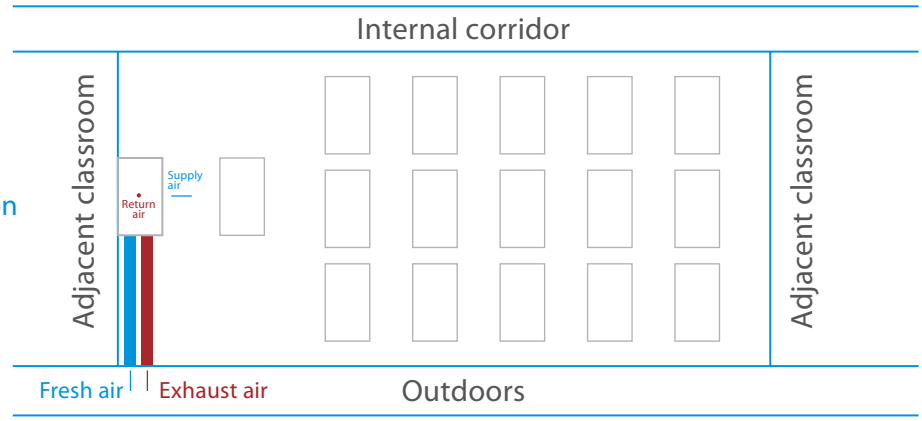
The Plug & Play Heat Recovery Ventliation Unit solves your fresh air needs without the need for renovation

- Quick installation gives your building fast access to fresh air
- Unit does not require any ductwork for supply or return air keeping interior works to a minimum
- Premium quality counter flow plate heat exchanger recovering indoor thermal energy
- Ceiling mounted installation
  - Does not require space on the floor
  - Unit is out of reach of persons or children
- Air flow range up to 930m³/h covering the typical need of a class room
- Double skin insulated panel for a maximum sound insulation
- Left and right version for maximum flexibility
- Free cooling allows to cool down the room at night
- Optional CO_2 sensor and electrical heater

Left connection unit



Typical layout with right connection



Daikin's
air handling units solutions

You will find your match

Why choose Daikin air handling units with a DX connection?

Simplifying business

The unique total solution approach by Daikin helps businesses to propose better cross-pillar solutions, to increase their success ratio by providing unmatchable product combinations to the end-user and to simplify the life of installers by supplying high-quality products coming from the same manufacturer. Contrary to other manufacturers, Daikin does not use OEM products in its AHU with DX offer. Many competitors are either offering OEM DX outdoor units or OEM AHU which create additional problems when warranties or faults arise. **Having a single interface for your business makes Daikin the right choice.**

One-stop shop

Daikin is the only global manufacturer in the market **capable of offering a true Plug & Play solution** where Daikin AHUs manufactured by Daikin Applied Europe and certified by Eurovent, offer off-the-shelf compatibility with Daikin's unique VRV outdoor unit range for the best performance in the market. This unique integration of cross-pillar products under the same umbrella, gives the customer both peace-of-mind and added value when promoting a total solution approach.

Complete range of possibilities

Thanks to the **most complete offer in the market**, Daikin has the solution for all types of commercial applications requiring fresh air. Daikin provides ventilation solutions based on AHU from 2,500 m^3/h up to 140,000 m^3/h either with natural heat recovery or more advanced ventilation solutions where a VRV outdoor unit can be connected to the Daikin AHU for ultimate climate control. The harmonized control, between the VRV outdoor unit and the AHU, offer outstanding reliable operation of the system when connected to an iTM.

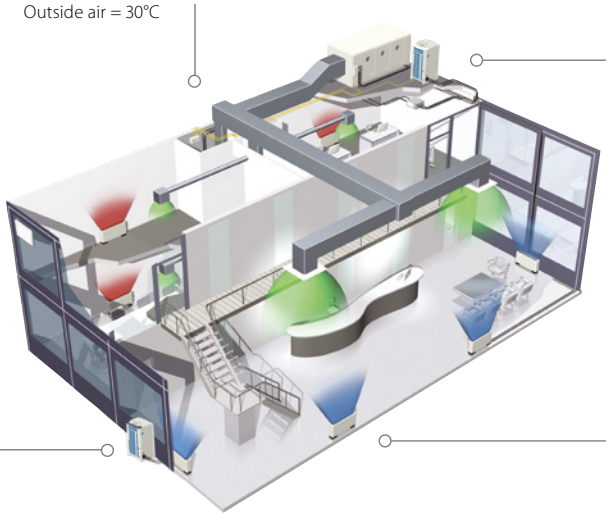
Advantages

- Unique manufacturer offering a complete range
- Plug & Play solution
- Direct iTM compatibility

Why use VRV and ERQ condensing units for connection to air handling units?

High Efficiency

Daikin heat pumps are renowned for their high energy efficiency. Integrating the AHU with a high efficiency heat pump system lower the carbon footprint of the building.



Fast response to changing loads resulting in high comfort levels

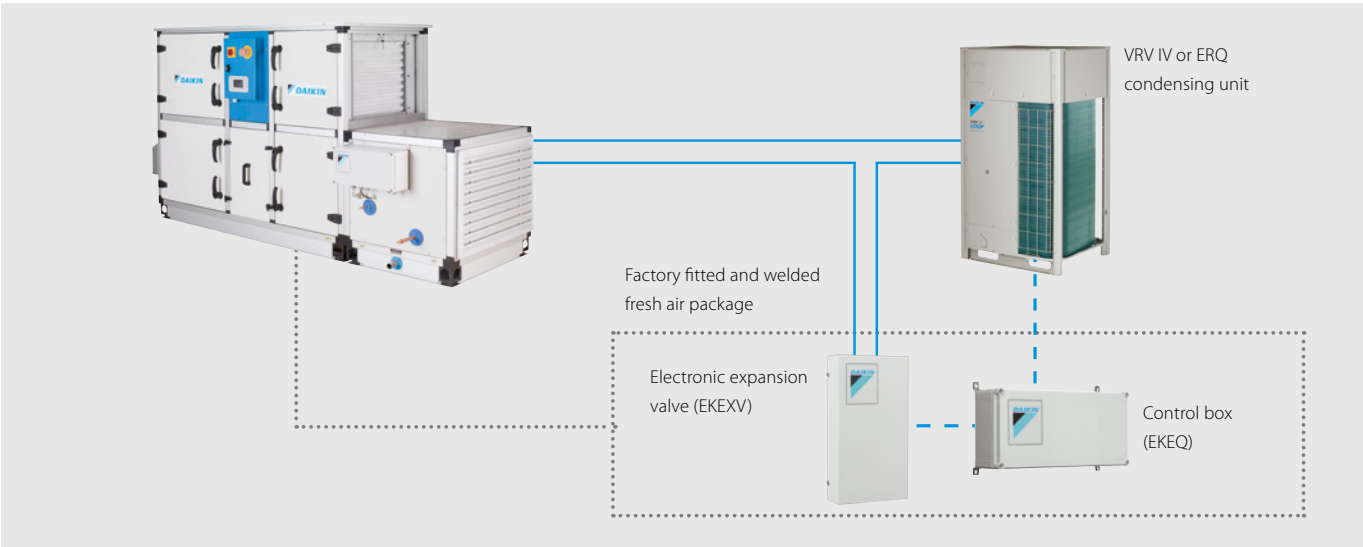
Daikin ERQ and VRV units respond rapidly to fluctuations in supply air temperature, resulting in a steady indoor temperature and resultant high comfort levels for the end user. The ultimate is the VRV range which improves comfort even more by offering continuous heating, also during defrost.

Easy Design and Installation

The system is easy to design and install since no additional water systems such as boilers, tanks and gas connections etc. are required. This also reduces both the total system investment and running cost.

Daikin Fresh air package

› Plug & Play connection between VRV/ERQ and the entire D-AHU modular range.
› Factory fitted and welded DX coil control and expansion valve kits.

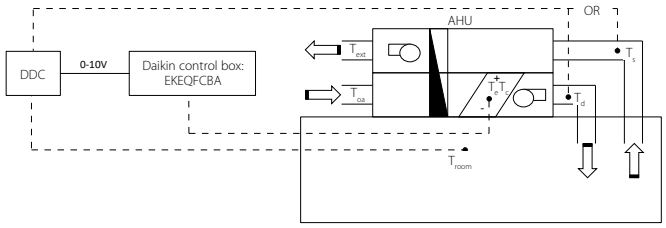


In order to maximise installation flexibility, 4 types of control systems are offered

W control: Off the shelf control of air temperature (discharge temperature, suction temperature, room temperature) via any DDC controller, easy to setup
X control: Precise control of air temperature (discharge temperature, suction temperature, room temperature) requiring a preprogrammed DDC controller (for special applications)
Z control: Control of air temperature (suction temperature, room temperature) via Daikin control (no DDC controller needed)
Y control: Control of refrigerant (Te/Tc) temperature via Daikin control (no DDC controller needed)

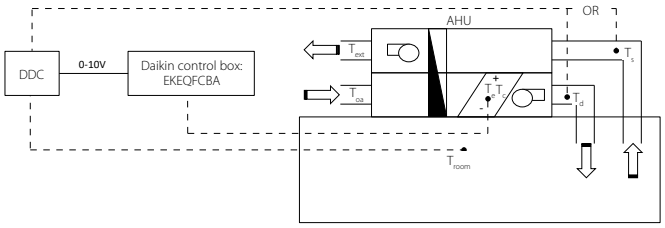
1. W control (T_d/T_s/T_{room} control):

Air temperature control via DDC controller
Room temperature is controlled as a function of the air handling unit suction or discharge air (customer selection). The DDC controller is translating the temperature difference between set point and air suction temperature (or air discharge temperature or room temperature) into a proportional 0-10V signal which is transferred to the Daikin control box (EKEQFCBA). This voltage modulates the capacity requirements of the outdoor unit.



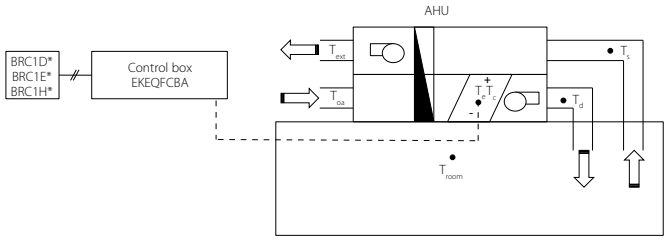
2. X control (T_d/T_s/T_{room} control):

Precise air temperature control via DDC controller
Room temperature is controlled as a function of the air handling unit suction or discharge air (customer selection). The DDC controller is translating the temperature difference between set point and air suction temperature (or air discharge temperature or room temperature) into a reference voltage (0-10V) which is transferred to the Daikin control box (EKEQFCBA). This reference voltage will be used as the main input value for the compressor frequency control.



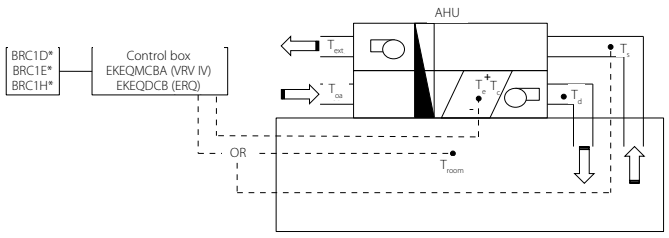
3. Y control (Te/Tc control):

By fixed evaporating/condensing temperature
A fixed target evaporating or condensing temperature can be set by the customer. In this case, room temperature is only indirectly controlled. A Daikin wired remote control (BRC1* - optional) have to be connected for initial set-up but not required for operation.



4. Z control T_d / T_{room} control):

Control your AHU just like a VRV indoor unit (100% recirculation air application)
Allows the possibility to control the AHU just like a VRV indoor unit. Meaning temperature control will be focused on return air temperature from the room into the AHU. Requires BRC1* for operation. The only control that allows the combination of other indoor units to the AHU at the same time.



T_d = Discharge (supply) air temperature
T_s = Suction (return) air temperature
T_{oa} = Outdoor air temperature
T_{room} = Room air temperature
T_{ext} = Extraction air temperature
T_e = Evaporating temperature
T_c = Condensing temperature

	Option kit	Features
Possibility W	EKEQFCBA	Off-the-shelf DDC controller that requires no pre-configuration
Possibility X		Pre-configured DDC controller required
Possibility Y		Using fixed evaporating temperature, no set point can be set using remote control
Possibility Z	EKEQDCB EKFQMCBA*	Using Daikin infrared remote control BRC1* Temperature control using air suction temperature or room temperature (via remote sensor)

* EKEQMCB (for 'multi' application)

ERQ - for smaller capacities (from 100 to 250 class)

A basic fresh air solution for pair application

› Inverter controlled units
› Heat pump
› R-410A
› Wide range of expansion valve kits available
› Perfect for the Daikin Modular air handling unit

The "Daikin Fresh Air Package" provides a complete Plug & Play Solution including AHU, ERQ or VRV Condensing Unit and all unit control (EKEQ, EKEX, DDC controller) factory mounted and configured. The easiest solution with only one point of contact.

ERQ-AW1

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

ERQ-AV1

ERQ-AW1

Ventilation			ERQ	100AV1	125AV1	140AV1
Capacity range			HP	4	5	6
Cooling capacity	Nom.		kW	11.2	14.0	15.5
Heating capacity	Nom.		kW	12.5	16.0	18.0
Power input	Cooling	Nom.	kW	2.81	3.51	4.53
	Heating	Nom.	kW	2.74	3.86	4.57
EER				3.99		3.42
COP				4.56	4.15	3.94
Dimensions	Unit	HeightxWidthxDepth	mm	1,345x900x320		
Weight	Unit		kg	120		
Casing	Material			Painted galvanized steel plate		
Fan-Air flow rate	Cooling	Nom.	m^3/min	106		
	Heating	Nom.	m^3/min	102	105	
Sound power level	Cooling	Nom.	dBA	66	67	69
Sound pressure level	Cooling	Nom.	dBA	50	51	53
	Heating	Nom.	dBA	52	53	55
Operation range	Cooling	Min./Max.	°CDB	-5/46		
	Heating	Min./Max.	°CWB	-20/15.5		
	On coil temperature	Heating/Min./Cooling/Max.	°CDB	10/35		
Refrigerant	Type			R-410A		
	Charge		kg	4.0		
			TCO_2eq	8.4		
	GWP			2,087.5		
	Control			Expansion valve (electronic type)		
Piping connections	Liquid	OD	mm	9.52		
	Gas	OD	mm	15.9		19.1
	Drain	OD	mm	26x3		
Power supply	Phase/Frequency/Voltage		Hz/V	1N~/50/220-240		
Current	Maximum fuse amps (MFA)		A	32.0		

Ventilation			ERQ	125AW1	200AW1	250AW1
Capacity range			HP	5	8	10
Cooling capacity	Nom.		kW	14.0	22.4	28.0
Heating capacity	Nom.		kW	16.0	25.0	31.5
Power input	Cooling	Nom.	kW	3.52	5.22	7.42
	Heating	Nom.	kW	4.00	5.56	7.70
EER				3.98	4.29	3.77
COP				4.00	4.50	4.09
Dimensions	Unit	HeightxWidthxDepth	mm	1,680x635x765	1,680x930x765	
Weight	Unit		kg	159	187	240
Casing	Material			Painted galvanized steel plate		
Fan-Air flow rate	Cooling	Nom.	m^3/min	95	171	185
	Heating	Nom.	m^3/min	95	171	185
Sound power level	Nom.		dBA	72	78	
Sound pressure level	Nom.		dBA	54	57	58
Operation range	Cooling	Min./Max.	°CDB	-5/43		
	Heating	Min./Max.	°CWB	-20/15		
	On coil temperature	Heating/Min./Cooling/Max.	°CDB	10/35		
Refrigerant	Type			R-410A		
	Charge		kg	6.2	7.7	8.4
			TCO_2eq	12.9	16.1	17.5
	GWP			2,087.5		
	Control			Electronic expansion valve		
Piping connections	Liquid	OD	mm	9.52		
	Gas	OD	mm	15.9	19.1	22.2
Power supply	Phase/Frequency/Voltage		Hz/V	3N~/50/400		
Current	Maximum fuse amps (MFA)		A	16	25	

Integration of ERQ and VRV in third party air handling units

a wide range of expansion valve kits and control boxes

Combination table

		Control box			Expansion valve kit										Mixed connection with VRV indoor units
		EKEQDCB	EKEQFCBA	EKEQMCBA	EKEXV50	EKEXV63	EKEXV80	EKEXV100	EKEXV125	EKEXV140	EKEXV200	EKEXV250	EKEXV400	EKEXV500	
		Z control	W,X,Y control	Z control	-	-	-	-	-	-	-	-	-	-	
1-phase	ERQ100	P (1)	P	-	-	P	P	P	P	-	-	-	-	-	Not possible
	ERQ125	P (1)	P	-	-	P	P	P	P	P	-	-	-	-	
	ERQ140	P (1)	P	-	-	-	P	P	P	P	-	-	-	-	
3-phase	ERQ125	P (1)	P	-	-	P	P	P	P	P	-	-	-	-	
	ERQ200	P (1)	P	-	-	-	-	P	P	P	P	P	-	-	
	ERQ250	P (1)	P	-	-	-	-	-	P	P	P	P	-	-	
VRV IV H/P (RYYQ, RXYQ, RXYSQ, RXYTQ, RXYLQ, RWEYQ)		-	P	P (1) / n2 (1)											Possible (not mandatory)
VRV IV i-series		-	-												
VRV IV H/R		-	-	n1											Mandatory (no hydrobox)

- P (pair application) - One or more outdoor units connected to an (interlaced) coil of one AHU. To determine exact configuration please refer to the engineering data book.
- n1 (only mix application) - Combination of (multiple) AHU(s) and VRV DX indoor(s) is mandatory. To determine the exact configuration please refer to the engineering data book.
- n2 (mix or multi application) - Combination of (multiple) AHU(s) with (mix application) or without (multi application) VRV DX indoor(s). To determine the exact configuration please refer to the engineering data book.
- Control box EKEQFA can be connected to some types of VRV IV outdoor units (with a maximum of 3 boxes per unit). Do not combine EKEQFA control boxes with VRV DX indoor units, RA indoor units or hydroboxes

(1) No interlaced coil possible with Z control

Capacity table

Cooling

EKEXV Class	Allowed heat exchanger capacity (kW)			Allowed heat exchanger volume (dm³)	
	Minimum	Standard	Maximum	Minimum	Maximum
50	5.0	5.6	6.2	1.33	1.65
63	6.3	7.1	7.8	1.66	2.08
80	7.9	9.0	9.9	2.09	2.64
100	10.0	11.2	12.3	2.65	3.30
125	12.4	14.0	15.4	3.31	4.12
140	15.5	16.0	17.6	4.13	4.62
200	17.7	22.4	24.6	4.63	6.60
250	24.7	28.0	30.8	6.61	8.25
400	35.4	45.0	49.5	9.26	13.2
500	49.6	56.0	61.6	13.2	16.5

Saturated evaporating temperature: 6°C
Air temperature: 27°C DB / 19°C WB

Heating

EKEXV Class	Allowed heat exchanger capacity (kW)			Allowed heat exchanger volume (dm³)	
	Minimum	Standard	Maximum	Minimum	Maximum
50	5.6	6.3	7.0	1.33	1.65
63	7.1	8.0	8.8	1.66	2.08
80	8.9	10.0	11.1	2.09	2.64
100	11.2	12.5	13.8	2.65	3.30
125	13.9	16.0	17.3	3.31	4.12
140	17.4	18.0	19.8	4.13	4.62
200	19.9	25.0	27.7	4.63	6.60
250	27.8	31.5	34.7	6.61	8.25
400	39.8	50.0	55.0	9.26	13.2
500	55.1	63.0	69.3	13.2	16.5

Saturated condensing temperature: 46°C
Air temperature: 20°C DB

EKEXV - Expansion valve kit for air handling applications

Ventilation			EKEXV	50	63	80	100	125	140	200	250	400	500
Dimensions	Unit		mm	401x215x78									
Weight	Unit		kg	2.9									
Sound pressure level	Nom.		dBA	45									
Operation range	On coil temperature	Heating Min.	°CDB	10 (1)									
		Cooling Max.	°CDB	35 (2)									
Refrigerant	Type / GWP			R-410A / 2,087.5									
Piping connections	Liquid	OD	mm	6.35	9.52							12.7	15.9

(1) The temperature of the air entering the coil in heating mode can be reduced to -5°CDB. Contact your local dealer for more information. (2) 45% Relative humidity.

EKEQ - Control box for air handling applications

Ventilation		EKEQ	FCBA	DCB	MCBA
Application			Pair	Pair	Pair/Multi/Mix
Outdoor unit			ERQ / VRV	ERQ	VRV
Dimensions	Unit	mm	132x400x200		
Weight	Unit	kg	3.9	3.6	
Power supply	Phase/Frequency/Voltage	Hz/V	1~/50/230		

The combination of EKEQFCBA and ERQ is in pair application. The EKEQFCBA can be connected to some type of VRV IV outdoor units with a maximum of 3 control boxes. The combination with DX indoor units, hydroboxes, RA outdoor units, ... is not allowed. Refer to the combination table drawing of the outdoor unit for details.

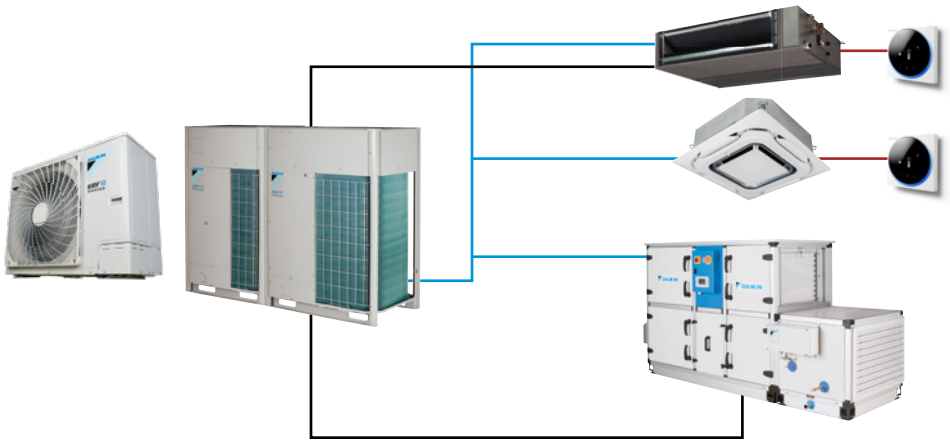
For more information refer to the **EKEXV** or **EKEQ** databooks

New generation of expansion valve kits and control boxes

Available from
Autumn
2023

Integrating third party Air Handling Units in the VRV 5 total solution (EKEXVA* / EKEA*)

VRV 5
BLUEVOLUTION



Refrigerant piping
F1-F2
P1-P2

› Unified EXV range connectable to both VRV 5 R-32 and VRV IV / ERQ R-410A units
› 3 new EXV capacities: 300, 350 and 450, allowing maximum flexibility
› Unified control box, offering all existing W,X,Y,Z controls + new advanced Z control
› Complete peace of mind as Daikin provides all required tools to ensure compliance to the IEC product standard
› Extension of operation range of EKEA: Outside installation possible down to -25°C
› Lower connection ratio limit for pair application

SHÎRUDO TECHNOLOGY

VRV IV+ in mix application with VRV indoor units and Modular R AHU

Astropure 2000, Air Purifier for Commercial Applications

Plug & play, mobile recirculation unit with high efficiency filtration – for better indoor air quality in commercial spaces

› For areas where additional, extra high, filtration performance is needed.
› Airflow rate up to 2,000 m^3/h
› HEPA H14 filter in accordance with EN1822
› Pre-filter options up to ISO Coarse 70%
› Insulated double-wall construction provides whisper-quiet operation down to 35 dB(A)
› Easy installation, operation, and maintenance in a totally self-contained system
› For commercial areas up to 200m^2

Applications

Schools and Universities

Commercial Buildings

Healthcare

Hospitality

Shops and Shopping malls

Models

Model	BR00000554	BR00000749	BR00000676	BR00000751
Plug type	EU	UK	EU	UK
HEPA Filter (H14)	✓		✓	
LCD Screen			✓	
Activ. Carbon (Gas phase) pre-filter			✓	

Providing high-efficiency 2-stage filtration

Standard prefilter

All units are delivered with a prefilter, increasing filter life and protecting the installed HEPA filter

RedPleat - 4531002424
› Delivered with BR00000554/749
› ISO 16890: ISO coarse 70%
› Available with Antimicrobial treated media (RedPleat ULTRA)

RedPleat Carb - 4139002424
› Delivered with BR00000676/751
› ISO 16890: ISO coarse 65%
› Effectively removes offensive odors

Main filter

The HEPA filter features eFRM filtration media which combines ultra-high efficiency and particulate loading to remove 99.99% of dust, pollen, mold, bacteria, viruses, and any airborne particle with a size of 0.3 microns or greater.

AstroCel III - 1493299990

› H14 filtration efficiency according EN 1822
› V-shaped filter configuration, combined with microglass media, delivers higher flow and the lowest possible pressure drop vs traditional box style HEPA filters
› Compatible with Discrete Particle Counter (DPC) and photometric test methods as access and instrumentation allow

Astropure 2000, Air Purifier for Commercial Applications

Plug & play, mobile recirculation unit with high efficiency filtration – for better indoor air quality in commercial spaces

- Airflow rate up to 2,000 m^3/h
- HEPA H14 filter in accordance with EN1822
- Optional touch sensitive LCD Display (BR00000676/751)
- Insulated double-wall construction provides whisper-quiet operation
- Activated carbon filter
- Sliding tray design provides easy access and servicing of filters
- Designed with internal variable fan speed (electronically commutated) to meet specific application requirements
- Suitable for in-room use or sheltered outdoor installation
- CE-compliance, VDI 6022 guided design

BR00000678/752

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

BR00000554 BR00000676

Ventilation				BR00000554	BR00000749	BR00000676	BR00000751
Features	Plug type			EU	UK	EU	UK
	HEPA Filter (H14)			✓		✓	
	LCD Screen					✓	
	Activ. Carbon (Gas phase) pre-filter					✓	
Design air flow rate			m^3/h	2,000			
Application				Floor standing type			
Casing	Colour			Painted galvanized steel finish			
Dimensions	Unit	HxWxD	mm	1,628x720x770			
Weight	Unit		kg	150 (depending on version)			
Pre-filter	Dust collecting method			Prefilter RedPleat, ISO Coarse 70%		Prefilter RedPleat Carb, ISO Coarse 65% gas phase filter	
HEPA filter	Bacteria filtering method			Astrocel III HEPA H14			
Air purifying operation	Power input	High fan speed	kW	0.379			
Sound pressure level	Air purifying operation	High fan speed	dBA	55.9			
Fan Motor				Stepless adjustable			
Safety devices	Item			Safety switch (operation stops when the back door is open)			
Standard Accessories	Prefilter			1			
	HEPA filter			1			
	Quick Start and Maintenance Guide			1			
	Installation and Operation Manual			1 (download)			
Power cord			m	3			
Power supply	Phase			1~			
	Frequency		Hz	50/60			
	Voltage		V	230			
Running current	Air purifying operation	High fan speed	A	1.73			

IEQ Sensor

Our New Indoor Environmental Quality Sensor

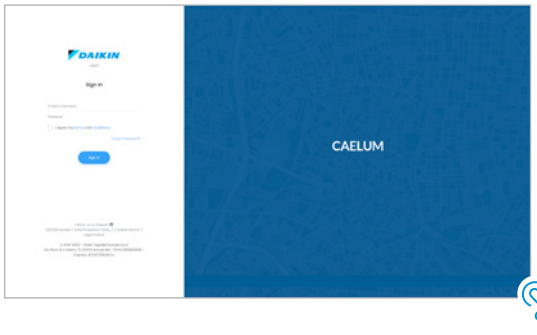
The Daikin IEQ Sensor measures your well-being by tracking indoor air quality values, environmental comfort, and electromagnetic pollution. It is available with 12 sensors and 15 parameter measures, and connects through your Wi-Fi network or via NB-IoT technology.

Complete Standalone Installation

The Daikin IEQ Sensor does not have to be paired with another product, for an **extremely easy and completely standalone installation** that takes about a minute. The device can be powered up with **microUSB power supply (included).**

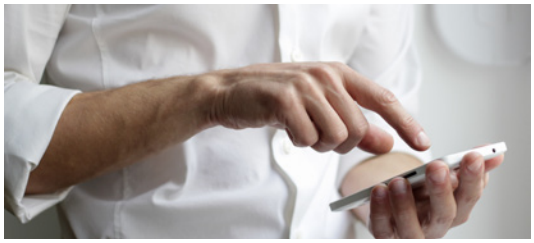
Caelum Monitoring Platform

The device connects to Caelum, Daikin's monitoring platform, at www.daikiniaq.com. This **enables you to easily monitor Indoor Air Quality levels and create regular reports based on the data detected by the sensor.** You can even use the platform to show your indoor air quality levels to your visitors.



Mobile App

The **mobile app is available as Daikin AirSense on both the App Store and Play Store.** Once installed on your mobile device and logged in, scan the QR code on the IAQ sensor and **the app will guide you through the entire configuration process.** Once your sensor is configured, you will have access to the entire set of functions from your mobile.



Connectivity

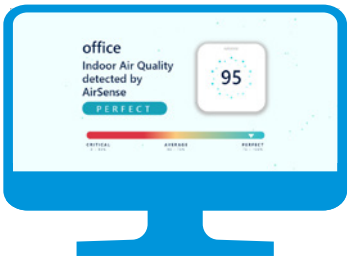
The IEQ sensor ensures **perfect integration with Daikin on Site and Daikin Cloud Service, Daikin's remote monitoring and smart maintenance platform.** It gives you perfect control over the entire heating, ventilation and air conditioning system installed in your building.

Green Building Certificationn

Installing the Daikin IEQ sensor can help you achieve better sustainability ratings and green building projects certified with **LEED and WELL certification** thanks to **Indoor Environmental Quality credits.**

Video wall

The video wall is a great tool to have a general overview of the measurements conducted by the device. This screen can be shared with the occupants of the buildings to show in each moment the Indoor Air Quality status.



Communication capability

IotNB: This technology can reach devices in areas where reception is poor or difficult to reach. Complete standalone installation. This is a perfect solution for service purposes where access to local Wi-Fi is not allowed or not available.
Wi-Fi: Easy and complete standalone installation.

85 x 85 x 60 mm

Sensor characteristics

Ambient Light	
Range:	0 lux to 120,000 lux
Precision:	±10%
Resolution:	0.1 lux

Temperature	
Range:	-40 °C a 85 °C
Precision:	±1 °C (between 0 °C and 65 °C)
Resolution:	0.1 °C

Humidity	
Range:	0 to 100% RH
Precision:	±3% RH
Resolution:	0.1% RH

Air Pressure hPa	
Range:	300 to 1,100 mbar (hPa)
Precision:	± 1 mbar (hPa)
Resolution:	0.18 mbar (hPa)

Sound Pressure	
Range:	35 to 120 dBspl
Frequency:	from 50 Hz to 20 KHz
Precision:	±1 dBspl
Resolution:	0.1 dBspl

Fine Dust	
Concentration Measure:	PM10/PM2.5:0 µg/m³ to 1,000 µg/m³
Precision:	(from 0 µg/m³ to 100 µg/m3): ±15 µg/m³
Precision:	(from 100 µg/m³ to 1,000 µg/m³): ±15%
Resolution:	1 µg/m³

Electrosmog	
LF Range:	0-400,000 nT - Range: 5 Hz - 120 Hz
Precision:	±5% - Resolution: 25nT
HF Range:	0 - 10 V/m - Range: 50 MHz - 300 GHz
Precision:	±10% - Resolution: 0.1 V/m
Measurements performed on 3 axes	

Air quality	
Range:	0 to 500
Precision:	±10%
Resolution:	0.1

CO_2	
Range:	0 to 5,000 ppm
Precision:	±30 ppm (between 0 and 1,000 ppm) ±3% (over 1,000 ppm)
Resolution:	1 ppm

TVOC	
Range:	0 ppb to 1,187 ppb
Resolution:	1 ppb
Precision:	±10%

CO_2e	
Range:	400 to 8,192 ppm
Precision:	±10%
Resolution:	1 ppm

Wi-Fi Networks & SIGNAL INTENSITY (2.4GHz band)
Detects Access Point n° in band 2.4Ghz and overall signal level (from 0 to -100 dBm)

Connect
with Daikin

If you are a user or installer it is important you can **interact with our systems** in the easiest way, from **anywhere you are**. For any user our interfaces create **peace of mind** that their system is running in the best possible way.

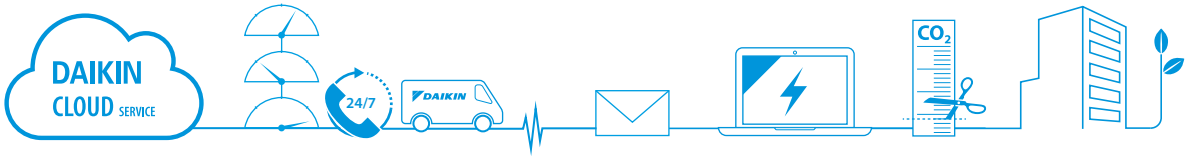
White Silver Black

Depending on the type of user and application Daikin develops controls and cloud services to ensure the best experience.

- For home owners it means **app and voice control** of their home comfort.
- For hotel owners it means easy and stylish **personal control for guests**, with an integration in hotel booking software for central control
- For technical managers it means **cloud access** to all sites, with the possibility to benchmark, optimize performance
- For installers it means **easy transfer of settings during commissioning**, remote retrieval of errors and preventive alerts to save time on maintenance or interventions

Our controls enable you to **connect with your customer**, save time, improve your comfort intelligently and reduce energy bills.

Remote monitoring



Control Systems

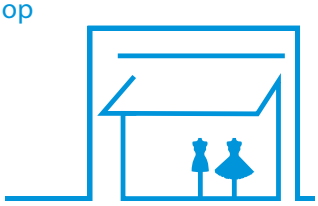
For latest data, please consult my.daikin.eu

Control solutions summary

Daikin offers various control solution adapted to the requirements of even the most demanding commercial application.

› Basic control solutions for those customers with few requirements and limited budget
› Integrating control solutions for those customers that would like to integrate Daikin units into their existing BMS system
› Advanced control solutions for those customers that expect Daikin to deliver a mini BMS solution, including advance energy management

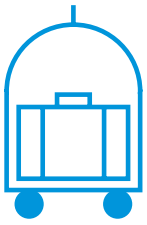
Shop



	Unit control			Integrating control			Advanced control	
								
	BRP069*	BRC1H52W/S/K	RTD-20	RTD-Net	KLIC-DI _V2	EKMBDXA	DCC601A51	DCM601A51
	Smartphone control for up to 50 indoor units	1 remote controller for 1 indoor unit (group)	1 gateway for 1 indoor unit (group)	1 gateway for 1 indoor unit (group)	1 gateway for 1 indoor unit	1 gateway for max. 64 indoor unit(s) (groups) & 10 outdoors	1 unit for 32 indoor unit(s) (5)	1 iTM for 64 indoor unit(s) (groups) (1)
Automatic control of A/C	●	●	●	●	●	●	●	●
Limit control possibilities for shop staff	●	●	●	●	●	●	●	●
Create zones within the shop			●				●	●
Interlock with eg. Alarm, PIR sensor			●				● (limited)	●
Integration into smart home systems	● (7)							
Integrate Daikin units into existing BMS via Modbus				●		●		
Integrate Daikin units into existing BMS via KNX					●			
Integrate Daikin units into existing BMS via HTTP								●
Monitor energy consumption	● (4)	● (4)					● (2)	●
Advanced energy management							● (2)	● (6)
Allows free cooling								●
Voice control	● (6)							
Integrate Daikin products cross pillars into Daikin BMS								●
Integrate third party products into Daikin BMS							●	●
Online control	●						● (2)	● (3)
Manage multiple sites							● (2)	● (3)

(1) 7 iTM plus adapters (DCM601A52) can be added to have 512 indoor groups and 80 outdoor (systems) (2) Via Daikin cloud service (3) Through own IT set-up (not Daikin cloud server) (4) Not available on all indoors (5) Up to 10 DCC601A51 can be combined as a single site on Daikin Cloud Service (6) Only for BRP069C51, connection to Google Assistant and Amazon Alexa; (7) only for BRP069C51, contact your local sales representative for an overview of available services.

Hotel



	Unit control	Integrating control		Advanced control	
				PMS Interface	
	BRC1H52W/S/K	RTD-HO	KLIC-DI _V2	DCM010A51	DCM601A51
	1 remote controller for 1 indoor unit (group)	1 gateway for 1 indoor unit (group)	1 gateway for 1 indoor unit	1 interface for up to 2,500 indoor units	1 iTM for 64 indoor unit(s) (groups) (1)
Hotel guest can control & monitor basic functionalities from his room	●	●	● (3)		●
Limit control possibilities for hotel guests	●	●	●	●	●
Interlock with window contact	● (2)	●			●
Interlock with key-card	● (2)	●			●
Integrate Daikin units into existing BMS via Modbus		●			
Integrate Daikin units into existing BMS via KNX			●		
Integrate Daikin units into existing BMS via HTTP					●
Integrate Daikin unit control in hotel booking software				● Oracle Opera PMS	
Monitor energy consumption					●
Advanced energy management					●
Integrate Daikin products cross pillars into Daikin BMS					●
Integrate third party products into Daikin BMS					●
Online control					●

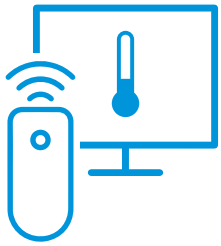
(1) 7 iTM plus adapters (DCM601A52) can be added to have 512 indoor groups and 80 outdoor (systems) (2) Via BRP7A51 adapter (3) requires KNX compatible controller

Office

	Unit control	Integrating control			Advanced control	
			 LonWorks Interface	 BACnet Interface	 intelligent Controller	 intelligent Manager
	BRC1H52W/S/K	EKMBDXB	DMS504B51	DMS502A51	DCC601A51	DCM601A51
	1 remote controller for 1 indoor unit (group)	1 gateway for max. 64 indoor unit(s) (groups) & 10 outdoors	1 gateway for 64 indoor unit(s) (groups)	1 gateway for 128 indoor unit(s) (groups), 20 out-doors (2)	1 unit for 32 indoor unit(s) (groups) (5)	1 iTM for 64 indoor unit(s) (groups) (1)
Automatic control of A/C	●	●	●	●	●	●
Centralised control for management		●	●	●	●	●
Local control for office staff	●				● (4)	● through Web Remote management
Limit control possibilities for office staff	●	●	●	●	●	●
Integrate Daikin units into existing BMS via Modbus		●				
Integrate Daikin units into existing BMS via HTTP						●
Integrate Daikin units into existing BMS via LonTalk			●			
Integrate Daikin units into existing BMS via BACnet				●		
Energy consumption read out	● (3)					
Monitor energy consumption					● (4)	●
Advanced energy management					● (4)	●
PPD software to distribute used kWh/indoor unit				● (6)		● (7)
Integrate Daikin cross pillar products into Daikin BMS						●
Integrate third party products into Daikin BMS					●	●
Online control					● (4)	●
Manage multiple sites					● (4)	● (5)

(1) 7 iTM plus adapters (DCM601A52) can be added to have 512 indoor groups and 80 outdoor (systems) (2) extension (DAM411B51) needed to have up to 256 indoor unit(s) (groups), 40 outdoors (3) Not available on all indoor units (4) Via Daikin cloud service (5) Through own IT set-up (not Daikin cloud sever) (5) Up to 10 DCC601A51 can be combined as a single site on Daikin Cloud Service (6) via DAM412B51 option (7) via DCM002A51 option

Infrastructure cooling



	Unit	Integrating	Advanced
			 intelligent Manager
	BRC1H52W/S/K	RTD-10	DCM601A51
	1 remote controller for 1 indoor unit (group) (2)	1 gateway for 1 indoor unit (group) Up to 8 gateways can be linked together	1 iTM for 64 indoor unit(s) (groups) (1)
Automatic control of A/C	●	●	●
Back-up operation	●	●	●
Duty rotation	●	●	●
Limit control possibilities in the technical cooling room	●	●	●
If room temperature above max., then show alarm & start standby unit.		●	●
If an error occurs, an alarm will be shown.	●	●	●
If an error occurs, activate an alarm output	Via KRP2/4A option (3)	●	Via WAGO I/O

(1) 7 iTM plus adapters (DCM601A52) can be added to have 512 indoor groups and 80 outdoor (systems) (2) Infrastructure cooling functions only compatible with indoor units connected to RZQG*/RZAG* outdoor units. (3) See option list of indoor unit

Onecta App

Now available with voice control

The Onecta App is for those who live their life on the go and who want to manage their Daikin system from their smartphone.

onecta

NEW

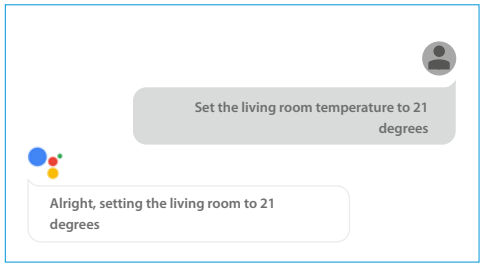
Voice control

To provide users with even more comfort and ease, the Onecta App now offers voice control. This hands-free feature cuts down on clicks to manage units faster than ever before.

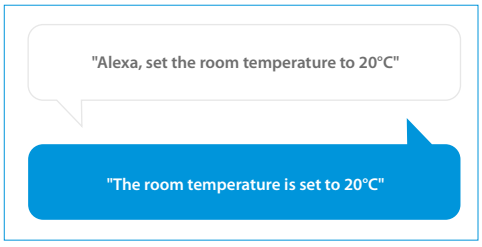
Cross-functional and multilingual, voice control pairs well with any smart device, including Google Assistant and Amazon Alexa.

works with the Google Assistant

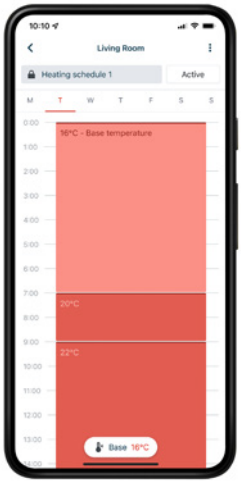
amazon alexa



Example of using the voice control via Google Assistant



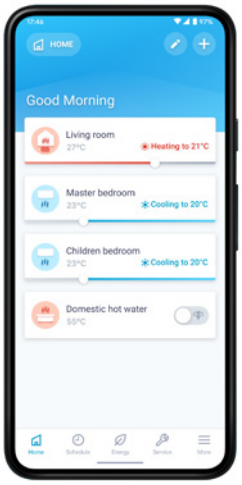
Example of using the voice control via Amazon Alexa



Schedule

Set up a programme outlining when the system should operate, and create up to six actions per day.

- ☑ Schedule room temperature and operation mode
- ☑ Enable holiday mode to save costs



Control

Customise the system to fit your lifestyle and year-round comfort levels.

- ☑ Change room and domestic hot water temperature
- ☑ Turn on powerful mode to boost hot water production

Monitor

Receive a thorough overview of how the system is performing and how much energy it consumes.

- ☑ Check the status of the heating system
- ☑ Access energy consumption graphs (day, week, month)

Function availability depends on the system type, configuration and operation mode.
The app functionality is only available if both the Daikin system and the app have a reliable internet connection.

Available on the App Store | GET IT ON Google Play

Scan the QR code to download the app now

Onecta connectable units

Integrated in unit
- FTXJ-AW/S/B
- FTXA-AW/BS/BT/BB
- C/FTXM-R
- FVXM-A(9)
- FTXP20-35N
- FTXTA-BW/BB
- FTXTM-R
- ATXM-R

BRP069B41
- FTXJ-MW/S *
- FTXP50-71N*

BRP069B42
- FTXZ-N
- FVXM-F

BRP069B45
- FTXP-M9
- ATXP-M
- FTXF-D/E
- FTXTP-M*
- ATXTP-M*
- ATXF-A/E
- FTXC-D
- ATXC-D

BRC069C81 **
Ceiling mounted
- FFA-A9

Concealed ceiling
- FDXM-F9
- FBA-A(9)
- FDA125A
- ADEA-A

Wall mounted
- FAA-B

Ceiling suspended
- FHA-A(9)
- FUA-A

Floor standing
- FVA-A
- FNA-A9

BRC069C82 **
Ceiling mounted
- FCAHG-H
- FCAG-B
- FDA200-250A

BRP069C51 ***
VRV 5 indoor units
- FXFA-A
- FXZA-A
- FXDA-A
- FXSA-A
- FXMA-A
- FXHA-A
- FXUA-A
- FXAA-A

* adapter included with the unit
** Wired remote controller must be connected to the indoor unit to operate the Onecta app
*** Must be combined with BRC1H52W/S/K

Onecta app provides support to all units with a LAN or WLAN adapter


Living room
23°C

Madoka wired remote controller

Madoka

The beauty of simplicity.

Silver
RAL 9006 (metallic)
BRC1H52S

Black
RAL 9005 (matte)
BRC1H52K

White
RAL9003 (glossy)
BRC1H52W

User-friendly wired remote controller with premium design

Madoka combines refinement and simplicity

- Sleek and elegant design
- Intuitive touch-button control
- Three display options: standard, detailed and **new symbolic view**
- Three colours to match any interior
- Compact, measures only 85 x 85 mm
- Advanced settings **copy function** and commissioning via smartphone

NEW › CO_2 concentration visualisation

reddot award 2018
winner

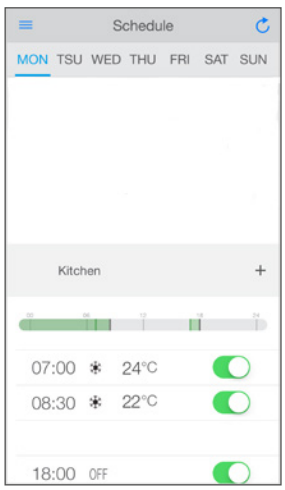
DESIGN AWARD 2018

Madoka Assistant

Simplifies the advanced settings such as schedule or set point limitation

- ☑ Visual interface simplifies advanced settings such as schedule setting, energy saving activation, setting restrictions, etc.
- ☑ Save field settings and schedules on your phone and upload to multiple controllers, saving time and cost
- ☑ Easy and quick commissioning
- ☑ Featuring Bluetooth® low energy technology

Easy setting of schedules

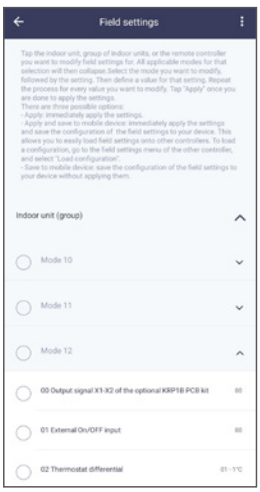


Advanced user settings

NEW

Bluetooth strength indication

Field settings



BRC1H52W / BRC1H52S / BRC1H52K

Madoka wired remote controller for Sky Air and VRV

BRC1H52W
Symbollic view

BRC1H52S
Standard view

BRC1H52K
CO_2 visualisation

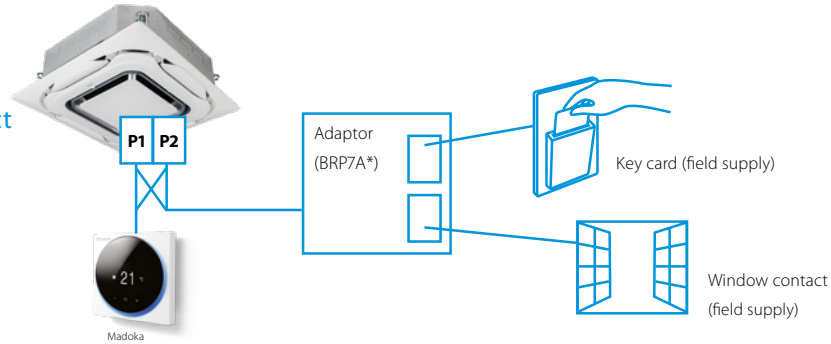
A complete redesigned controller focussed to enhance user experience

› Sleek and elegant design
› Intuitive touch-button control
› Three display options: standard, detailed and **new symbolic view**
› Direct access to basic functions
(on/off, set point, mode, target values, fan speed, louvres, filter icon & reset, error & code)
› Three colours to match any interior
› Compact, measures only 85 x 85 mm
› Real time clock with auto update to daylight saving time

Hotel application features

› Energy saving through key card, window contact integration and set point limitation (BRP7A*)
› Flexible setback function ensures room temperature remains within comfortable limits to ensure guest comfort

Key card and window contact integration



Madoka Assistant: Advanced settings can be easily done via your smartphone

A range of energy-saving functions that can be selected individually

› Temperature range restriction:
Save on energy by setting the low temperature limit in cooling mode and the high temperature limit in heating mode (1)
› Setback function
› Adjustable presence detector and floor sensor (available on the Round Flow and Fully Flat Cassettes)
› Automatic temperature reset
› Auto off timer

Kilowatt-hour consumption tracking (2)

The kWh indicator displays indicative power consumption for the last day/month/year.

Other functions

› NEW Three user access levels: Basic user, Advanced and Installer to match user requirements and prevent improper use.
› Save field settings and schedules on your phone and upload to multiple controllers, saving time and cost
› NEW Mark frequently used menu's as favourites for direct access
› Up to three independent schedules can be programmed, allowing you to switch easily between them throughout the year (e.g. summer/winter/mid-season)
› Menu settings can be individually locked or restricted
› The outdoor unit can be set to quiet mode and power consumption limit control by schedule (3)
› Real-time clock that updates automatically for daylight saving

DUTY ROTATION

Cost-effective solution for infrastructure cooling applications

› Only in combination with RZAG* / RZQG*
› Duty rotation

After a certain period of time, the operating unit will go into standby and the standby unit will take over, extending the system lifetime. Rotation interval can be set for 6, 12, 24, 72 or 96 hours, as well as weekly.

› Back-up operation: if one unit fails, the other unit will start automatically

(1) Also available in auto cooling/heating changeover mode
(2) For Sky Air FBA, FCAG and FCAHG pair combinations only
(3) Only available on RZAG*, RZASG*, RZQG*, RZQSG*

BRC1E53A

User friendly remote control for Sky Air and VRV

Graphical display of indicative electricity consumption (Function available in combination with FBA-A, FCAG and FCAHG)

A series of energy saving functions that can be individually selected

› Demand control (1)
› Temperature range limit
› Setback function
› Presence & floor sensor connection (available on round flow and fully flat cassette)
› kWh indication (2)
› Set temperature auto reset
› Off timer

Cost-effective solution for infrastructure cooling applications
> Only in combination with RZAG* / RZQG*

Other functions

› Up to 3 independent schedules
› Possibility to individually restrict menu functions
› Choice of display between symbol or text
› Real time clock with auto update to daylight saving time
› Built-in backup power for clock (up to 48 hours). Settings are always kept in case of power loss.
› Supports multiple languages: BRC1E53A: English, German, French, Dutch, Spanish, Italian, Portuguese

(1) Only available on RZAG*, RZASG*, RZQG*, RZQSG* I (2) For Sky Air FBA, FCAG and FCAHG pair combinations only

BRC1D52

Wired remote control for Sky Air and VRV

BRC1D52

› Schedule timer: Five day actions can be set
› Home leave (frost protection): during absence, the indoor temperature can be maintained at a certain level. This function can also switch the unit ON/OFF
› User friendly HRV function, thanks to the introduction of a button for ventilation mode and fan speed
› Immediate display of fault location and condition
› Reduction of maintenance time and costs

ARC4*/BRC4*/BRC7*

Infrared remote control

ARC466A1

BRC4*/BRC7*

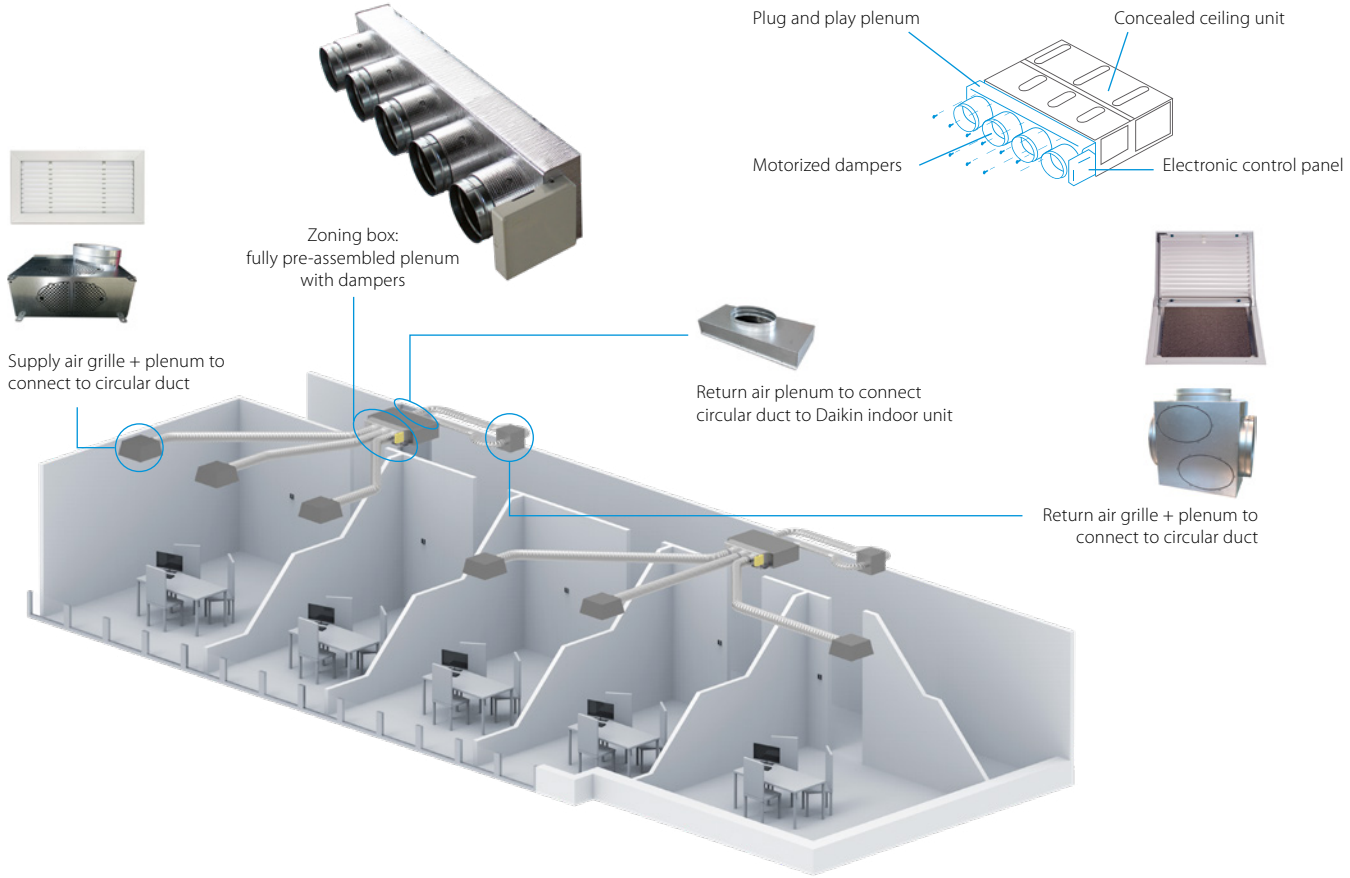
Operation buttons: ON / OFF, timer mode start / stop, timer mode on / off, programme time, temperature setting, air flow direction (1), operating mode, fan speed control, filter sign reset (2), inspection (2)/ test indication (2)
Display: Operating mode, battery change, set temperature, air flow direction (1), programmed time, fan speed, inspection / test operation (2)

1. Not applicable for FXDQ, FXSQ, FXNQ, FBDQ, FDXM, FBA
2. For FX** units only
3. For all features of the remote control, refer to the operation manual

Multi-zone controller

The multi-zoning system is a room-by-room controller. It is fitted with motorised dampers, which immediately adapt using Daikin ducted solutions. This system supports control of up to 8 zones connected to one indoor unit via a centralised thermostat located in the main room and individual thermostats for each of the zones.

Easy selection via our NEW software!



Compatibility

Number of motorised dampers		Reference	Dimensions H x W x D (mm)	Ø (mm)	SkyAir FDXM-F9 25	FDXM-F9 35	FDXM-F9 50	FDXM-F9 60	SkyAir FBA-A(9) 35	FBA-A(9) 50	FBA-A(9) 60	FBA-A(9) 71	FBA-A(9) 100	FBA-A(9) 125	FBA-A(9) 140	SkyAir ADEA-A 71	ADEA-A 100	ADEA-A 125	VRV IV+ FXDQ-A3 15	FXDQ-A3 20	FXDQ-A3 25	FXDQ-A3 32	FXDQ-A3 40	FXDQ-A3 50	FXDQ-A3 63	FXSQ-A 15	FXSQ-A 20	FXSQ-A 25	FXSQ-A 32	FXSQ-A 40	FXSQ-A 50	FXSQ-A 63	FXSQ-A 80	FXSQ-A 100	FXSQ-A 125	FXSQ-A 140
Standard plenum																																				
	2	AZEZ6DAIST07XS2	300 x 930 x 454	200																					•	•	•	•							
		AZEZ6DAIST07S2							•	•																			•	•						
	3	AZEZ6DAIST07XS3																							•	•	•	•							
		AZEZ6DAIST07S3							•	•																			•	•						
	4	AZEZ6DAIST07S4	300 x 1,140 x 454						•	•																			•	•						
		AZEZ6DAIST07M4									•	•				•															•	•				
	5	AZEZ6DAIST07M5	300 x 1,425 x 454								•	•				•															•	•				
		AZEZ6DAIST07L5											•	•	•		•	•															•	•		
	6	AZEZ6DAIST07M6	300 x 1,638 x 454								•	•				•															•	•				
		AZEZ6DAIST07L6											•	•	•		•	•															•	•		
	7	AZEZ6DAIST07L7	515 x 1,425 x 454										•	•	•		•	•															•	•		
		AZEZ6DAIST07XL7																																		•
	8	AZEZ6DAIST07L8											•	•	•		•	•															•	•		
		AZEZ6DAIST07XL8																																		•
Medium plenum																																			
	2	AZEZ6DAIBS07XS2	250 x 930 x 454	200																					•	•	•	•							
		AZEZ6DAIBS07S2							•	•																			•	•						
	3	AZEZ6DAIBS07XS3																							•	•	•	•							
		AZEZ6DAIBS07S3							•	•																			•	•						
		AZEZ6DAIBS07M3									•	•				•															•	•				
	4	AZEZ6DAIBS07S4	250 x 1,140 x 454						•	•																			•	•						
		AZEZ6DAIBS07M4									•	•				•															•	•				
		AZEZ6DAIBS07L4											•	•	•		•	•															•	•		
	5	AZEZ6DAIBS07S5	250 x 1,425 x 454						•	•																			•	•						
		AZEZ6DAIBS07M5									•	•				•															•	•				
		AZEZ6DAIBS07L5											•	•	•		•	•															•	•		
		AZEZ6DAIBS07XL5																																		•
	6	AZEZ6DAIBS07M6	250 x 1,638 x 454								•	•				•															•	•				
		AZEZ6DAIBS07L6											•	•	•		•	•															•	•		
		AZEZ6DAIBS07XL6																																		•
Slim plenum																																			
	2	AZEZ6DAISL01S2	210 x 720 x 444	200	•	•													•	•	•	•													
	3	AZEZ6DAISL01S3			•	•													•	•	•	•													
	4	AZEZ6DAISL01M4	210 x 930 x 444																				•	•											
	5	AZEZ6DAISL01L5	210 x 1,140 x 444				•	•																	•										

(1) Reversible units can be blocked to heating only via AZX6MCS module

Controls

3 controller versions are available to choose from: Colour, touch or simplified

AZCE6BLUEZEROCB (Wired)

Bluezero - main thermostat
› Intuitive graphical, colour touch screen for controlling multiple zones

AZCE6THINKRB (Wireless)

Think - zone thermostat
› Graphic touch button with low-energy e-ink screen for controlling single zones


AZCE6LITECB (Wired)
AZCE6LITERB (Wireless)

Lite - zone thermostat
› Simplified thermostat with touch buttons for temperature control

› Optional bus cable (2 x 0.5 mm² | 2 x 0.22 mm²), 15 m length: AZX6CABLEBUS15, 100m length: AZX6CABLEBUS100


AZX6WSPHUB


AZX6WSC5GER

Webserver for remote control
› Cloud based remote control of multizoning kit(s)
› Configuration and control of zones (temperature, operation mode, ...)
› Access via webportal, or Android/IOS application
› Supports Ethernet and WIFI
› AZX6WSPHUB:
  › For installation on DIN rail
  › 32 zoning boxes can be controlled
› AZX6WSC5GER:
  › For installation in the unit
  › Controls one zoning box


AZX6WSPBAC


AZX6KNXGTWAY

BACnet or KNX gateway
› Allows ON/OFF control of each zone
› Control of temperature for each zone
› Status indication of operation mode
› One gateway needed per system

Grilles and plenums

Supply air grilles and plenums


RDHV040015BKX

Wall type supply grille
› With horizontal and vertical adjustable flaps


RLQV040015BKX

Ceiling type supply grille
› With horizontal flaps angled at 15°
› Vertical flaps can be adjusted manually


PREJ0400150T

Plenum for supply grille
› To connect circular ducts to discharge grille
› Insulated, galvanised steel
› Diameter 250mm

Return air grilles and plenums


RRFR050050BTX

Return air grille with integrated filter
› Filters particles from the air


BR500

Plenum for return grille
› To connect 1 up to 4 circular ducts to the return air grille
› Diameter 250mm


AZCEZDAPR07*

Plenum for return air
› To connect 1 up to 4 circular ducts to the Daikin concealed ceiling units
› Diameter 250mm
› Different sizes (XS, S, M, L, XL) to fit the indoor unit

Centralised remote controller

Centralised control of the Sky Air and VRV system can be achieved via 2 user friendly compact remote controllers. These controls may be used independently or in combination with:
1 group = several (up to 16) indoor units in combination
1 zone = several groups in combination.
A centralised remote control is ideal for use in tenanted commercial buildings subject to random occupation, enabling indoor units to be classified in groups per tenant (zoning).

DCS302C51

Centralised remote control

Providing individual control of 64 groups (zones) of indoor units.

- a maximum of 64 groups (128 indoor units, max. 10 outdoor units) can be controlled
- a maximum of 128 groups (128 indoor units, max. 10 outdoor units) can be controlled via 2 centralised remote controls in separate locations
- zone control
- group control
- malfunction code display
- maximum wiring length of 1,000m (total: 2,000m)
- air flow direction and air flow rate of HRV can be controlled
- expanded timer function

DCS301B51

Unified ON/OFF control

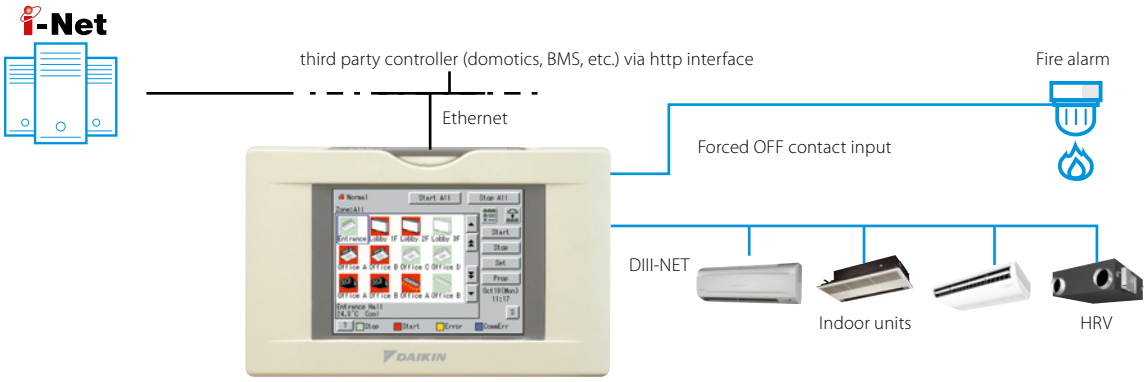
Providing simultaneous and individual control of 16 groups of indoor units.

- a maximum of 16 groups (128 indoor units) can be controlled
- 2 remote controls in separate locations can be used
- operating status indication (normal operation, alarm)
- centralised control indication
- maximum wiring length of 1,000m (total: 2,000m)

DCS601C51

intelligent touch Controller

Detailed & easy monitoring and operation of VRV systems (max. 64 indoor units groups).



DCS601C51

Languages
- English
- French
- German
- Italian
- Spanish
- Dutch
- Portuguese

System layout
- Up to 64 indoor units can be controlled
- Touch panel (full colour LCD via icon display)

Control
- Individual control (set point, start/stop, fan speed) (max. 64 groups/indoor units)
- Set back shedule
- Enhanced scheduling function (8 schedules, 17 patterns)
- Flexible grouping in zones
- Yearly schedule
- Fire emergency stop control
- Interlocking control
- Increased HRV monitoring and control function
- Automatic cooling / heating change-over
- Heating optimization
- Temperature limit
- Password security: 3 levels (general, administration & service)
- Quick selection and full control
- Simple navigation

Monitoring
- Visualisation via Graphical User Interface (GUI)
- Icon colour display change function
- Indoor units operation mode
- Indication filter replacement

Cost performance
- Free cooling function
- Labour saving
- Easy installation
- Compact design: limited installation space
- Overall energy saving

Open interface
- Communication to any third party controller (domotics, BMS, etc.) is possible via open interface (http option DCS007A51)

Connectable to
- VRV
- HRV
- Sky Air
- Split (via interface adapter)

DCC601A51

intelligent Tablet Controller

Advanced centralised controller with Cloud connection

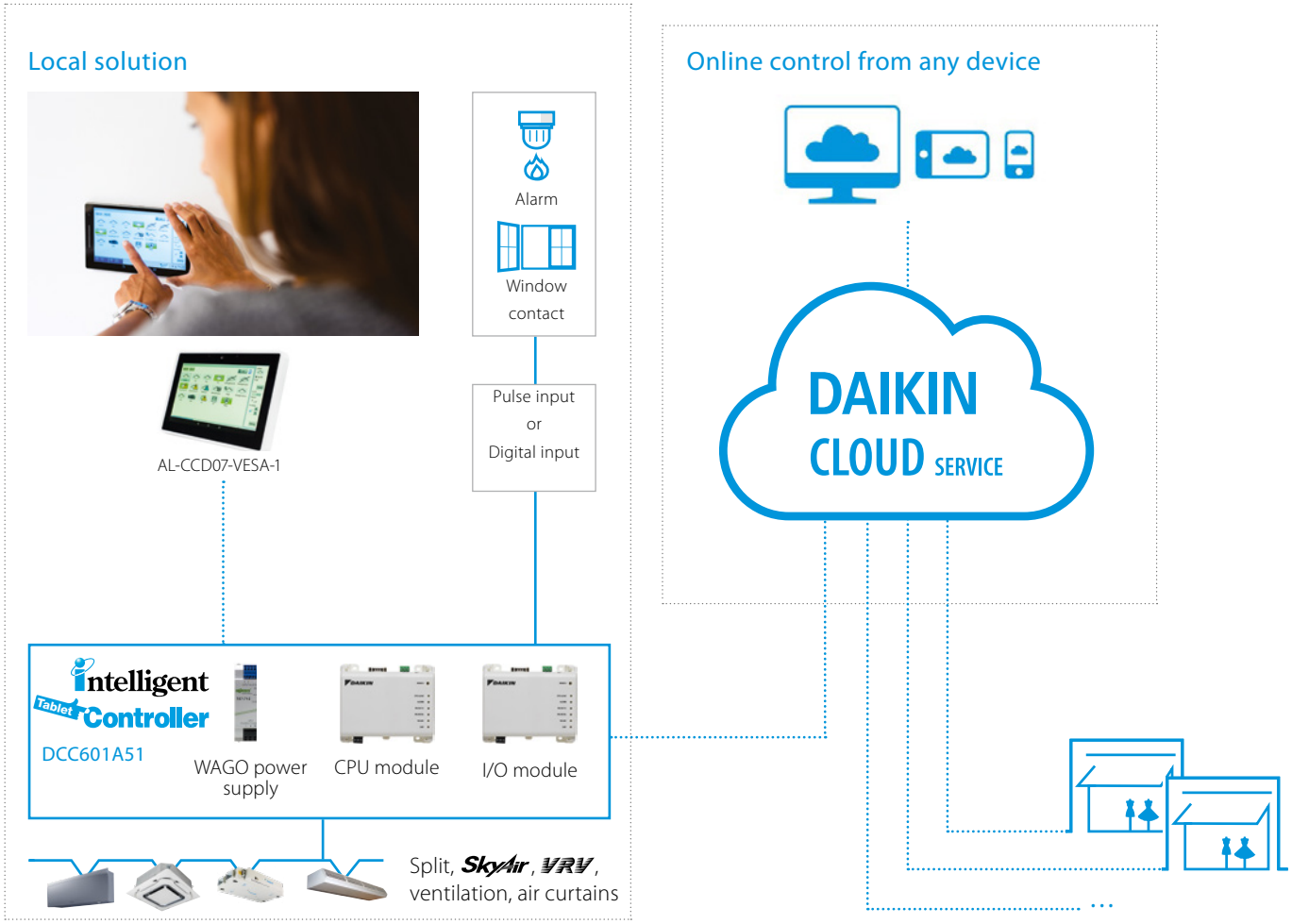
- Intuitive and user-friendly interface
- Flexible concept for stand alone and multi site applications
- Total solution thanks to integration of 3rd party equipment
- Monitor & control your small commercial building, no matter where you are

2 solutions:

Local solution
› Offline centralised control
› Stylish optional screen fits any interior

Cloud solution
› Flexible online control from any device (Laptop, tablet...)
› Monitor & control one or multiple sites
› Benchmark the energy consumption of different installations (1)
› Energy consumption follow-up to comply with local regulations

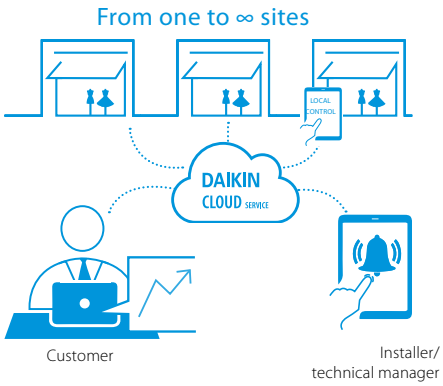
System layout



(1) For VRV and Sky Air R-32 ranges the consumption data is integrated; for other (HVAC) systems, field supplied kWh meters will be required

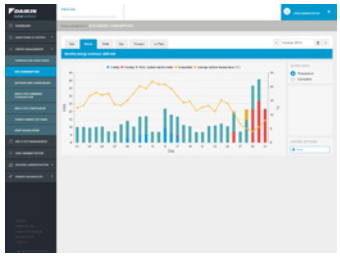
Total solution

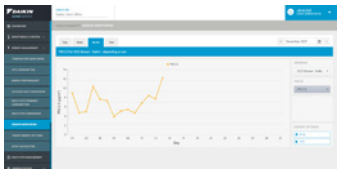
› Total solution thanks to a large integration of Daikin products and 3rd party equipment
› Connect a wide range of units (Split, Sky Air, VRV, Ventilation, Biddle air curtains)
› Simply control your entire building centrally
› Increased customer shopping experience by better management of your shop comfort level



Daikin Cloud Services

› Control your building no matter where you are
› Monitor and control multiple sites
› Installer or technical manager can remotely login to the cloud for first trouble-shooting
› Benchmark the energy consumption of different installations (1)
› Manage & track your energy use


Energy management and consumption follow up


NEW
IAQ Visualisation (Indoor Air Quality monitoring)

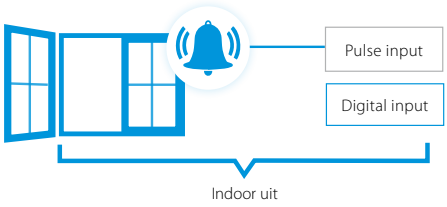
User friendly touch control

› Stylish Daikin supplied optional screen for local control fits any interior
› Intuitive and user-friendly interface
› Full solution with simple control
› Easy commissioning

Flexible

› Pulse/digital inputs for 3rd party equipment such as kWh meters, emergency input, window contact, …
› Modular concept allows your cloud to grow with your business
› Control up to 32 indoor units per controller and 320 units per site

(1) only available in combination with certain indoor units



Functions overview

		Local solution	Cloud solution
Languages		Depends on local device	EN, DE, FR, NL, ES, IT, EL, PT, RU, TR, DA, SV, NO, FI, CS, HR, HU, PL, RO, SL, BG, SK
System layout	N° of connectable indoor units	32	32
	Multiple sites control		●
Monitoring & control	Basic control functions (ON/OFF, mode, filter sign, setpoint, fan speed, ventilation mode, room temperature, …)	●	●
	Remote control prohibition	●	●
	All devices ON/OFF	●	●
	Zone control		●
	Group control	●	●
	Weekly schedule	●	●
	Yearly schedule		●
	Interlock control	●	●
	Set point limitation		●
	Visualisation of energy use per operation mode		●
Connectable to	DX split, Sky Air, VRV	●	●
	Modular L Smart, VAM, VKM ventilation	●	●
	Air curtains	●	●

For available Daikin Cloud Service options refer to the option list

intelligent touch Manager

Mini BMS

with full integration across all product pillars

DCM601B51

intelligent touch Manager

- Price competitive mini BMS
- Cross-pillar integration of Daikin products
- Integration of third party equipment

Download the WAGO selection tool from my.daikin.eu

› Easy selection of WAGO materials
› Material list creation
› Time saving
  - Includes wiring schemes
  - Contains commissioning/preset data for iTM

Check on YouTube

https://www.youtube.com/DaikinEurope

System overview

Web Access

DAIKIN CLOUD SERVICE

To connect intelligent Touch Manager to the Daikin Cloud Service, the IoT gateway (EU. SB.5000072) and AC/DC converter (999175A) is needed.

Internet
Extranet
LAN
3G
HTTP interface

Integration of third party equipment

touch intelligent Manager

DCM601B51

Fire alarm

kWh meter

Di/Pi line
Max. 200m

BACnet/IP protocol

WAGO interface

Analog/digital/pulse objects

Lighting

Fan

Pump

Sensor

I/O module

I/O module

Multi state objects

Elevator

Air handling unit

Alarm

DALI
Protocol

Lighting

Sensor

Full control of Daikin HVAC-R portfolio

DIII Plus adaptor DGE601A52

DIII Plus adaptor Slot DGE601A53
Max. 6 Additional Slots can be connected

Max 64 indoor units

Direct plug & play connection!

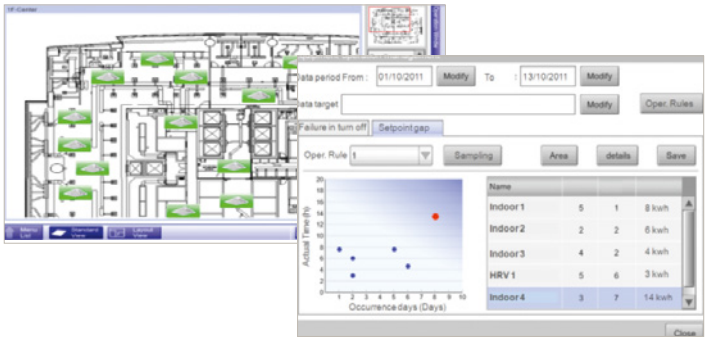
Split
SkyAir
VRV
indoor units, air curtain, hydrobox, air handling units

KRP928* adaptor

Fan coil units

Chillers and AHU

touch intelligent Manager



User friendliness

› Intuitive user interface
› Visual lay out view and direct access to indoor unit main functions
› All functions direct accessible via touch screen or via web interface
› Simplified electrical wiring, only one power supply & one connection wiring required

Smart energy management

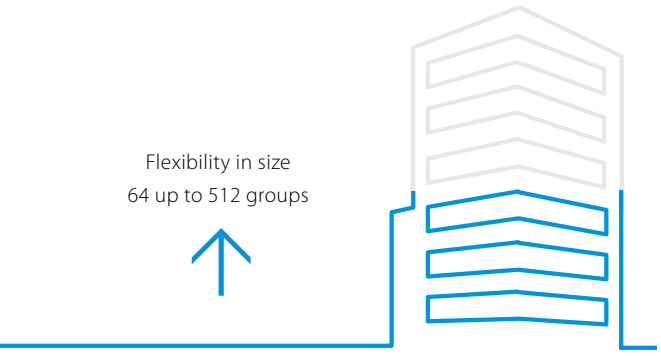
› Monitoring if energy use is according to plan
› Helps to detect origins of energy waste
› Powerful schedules guarantee correct operation throughout the year
› Save energy by interlocking A/C operation with other equipment such as heating
› Peak Power Cut off Control: Activating this feature in schedule function allows users to operate the outdoor unit in 4 settings i.e. 100%,70%, 40% and 0%

Flexibility

› Cross-pillar integration (heating, air conditioning, applied systems, refrigeration, air handling units)
› BACnet protocol for 3rd party products integration
› I/O for integration of equipment such as lights, pumps… on WAGO modules
› Modular concept for small to large applications
› Control up to 512 indoor unit groups via one ITM and combine multiple ITM via web interface

Easy servicing and commissioning

› Remote refrigerant containment check reducing on site visit
› Simplified troubleshooting
› Save time on commissioning thanks to the pre-commissioning tool
› Auto registration of indoor units



Plug & play


Split


SkyAir


VRV

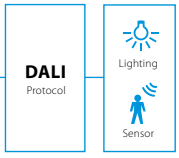

Fan coils

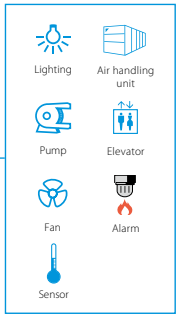

Chillers and AHU

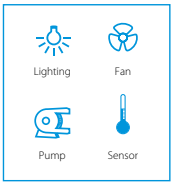

HRV ventilation

BACnet/IP protocol


WAGO I/O







Functions overview

Languages
- English
- French
- German
- Italian
- Spanish
- Dutch
- Portuguese

Management
- Web access via html 5
- Power Proportional Distribution (option)
- Operational history (malfunctions, …)
- Smart energy management
  - monitor if energy use is according to plan
  - detect origins of energy waste
- Setback function
- Sliding temperature

WAGO Interface
- Modular integration of 3rd party equipment
- Large variety of input and outputs available. For more details refer to the options list

Open http interface
- Communication to any third party controller (domotics, BMS, etc.) is possible via http open interface (http option DCM007A51)

System layout
- Up to 512 unit groups can be controlled (ITM + 7 iTM Plus adapters)

Control
- Individual control (512 groups)
- Schedule setting (Weekly schedule, yearly calender, seasonal schedule)
- Interlock control
- Setpoint limitation
- Temperature limit
- Schedule function to activate quiet operation mode on outdoor unit

DALI integration
- Control and monitor the lights
- Easier facility management: receive error signal when light or light controller has a malfunction
- Flexible approach and less wiring needed, compared to classic light scheme
- Easier to make groups and control scenes
- Connection between intelligent Touch Manager and DALI through WAGO BACnet / IP interface

Connectable to
- DX Split, Sky Air, VRV
- HRV
- Chillers (via MT3-EKCMBACIP controller)
- Daikin AHU (via MT3-EKCMBACIP controller)
- Fan coils
- LT and HT hydroboxes
- Biddle Air curtains
- WAGO I/O
- BACnet/IP protocol
- Daikin PMS interface (option DCM010A51)

RTD

Modbus Interface

RTD-NET
› Modbus interface for monitoring and control of Sky Air, VRV, VAM and VKM

RTD-10
› Advanced integration into BMS of Sky Air, VRV, VAM and VKM through either:
- Modbus
- Voltage (0-10V)
- Resistance

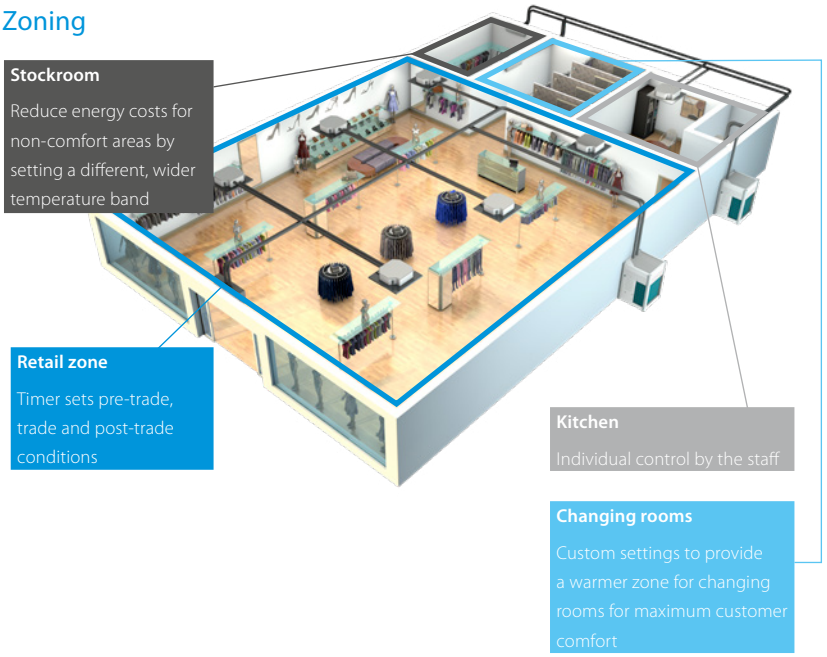
› Duty/standby function for server rooms

RTD-20
› Retail economisor
› Advanced control of Sky Air, VRV, VAM/VKM and air curtains
› Clone or independent zone control
› Increased comfort with integration of CO_2 sensor for fresh air volume control
› Save on running costs via
- pre/post and trade mode
- set point limitation
- overall shut down
- PIR sensor for adaptive deadband

RTD-HO
› Modbus interface for monitoring and control of Sky Air, VRV, VAM and VKM
› Intelligent hotel room controller

RTD-20 retail economiser
Control zones in shop applications

Zoning



Control options benefits
Optimize the operation of the air conditioning without compromising occupant comfort

Without RTD-20
› Pre-trade:
- AC either on (timer) or off
- whole store heated or cooled

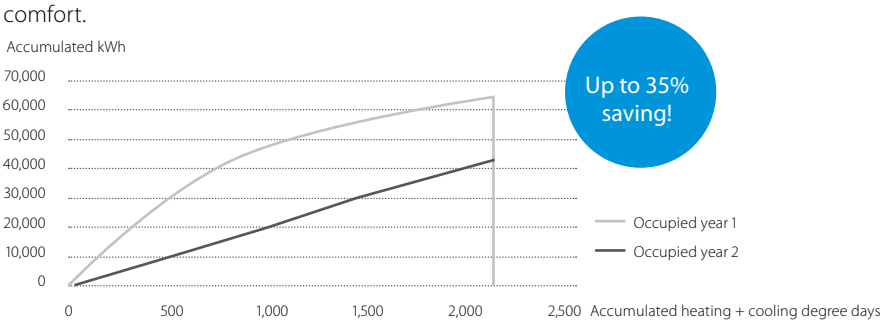
› Trading:
- achieving set-point
- staff could access controllers
- heat cool clash can occur
- door curtain not interlocked
- always trying to achieve set-point

› Post-Trade:
- either on or off

With RTD-20
› Pre-trade:
- De-stratification on start-up
- Heat/Cool protection enabled
- AC only comes on if internal temp above 26°C or below 19°C
- achieving midpoint of 19-23°C
- controllers locked
- heat cool clash prevented
- door curtain interlocked
- learns store patterns & heats/cools "enough" to reach set-point

› Post-Trade:
- Heat/cool protection enabled
- Trade extension function

Integrate all essential store operations in one control
Optimize the operation of the air conditioning without compromising occupant comfort.



Overview functions




Main functions	RTD-NET	RTD-10	RTD-20	RTD-HO
Dimensions H x W x D mm	100 x100 x 22			
Key card + window contact				✓
Set back function				✓
Prohibit or restrict remote control functions (setpoint limitation, ...)	✓	✓	✓**	✓
Modbus (RS485)	✓	✓	✓	✓
Group control	✓	✓	✓	✓
0 - 10 V control		✓	✓	
Resistance control		✓	✓	
IT application		✓		
Heating interlock		✓	✓	
Output signal (on/defrost, error)		✓	✓****	✓
Retail application			✓	
Partitioned room control			✓	
Air curtain	✓***	✓***	✓	

(1): By combining RTD-RA devices

Control functions	RTD-NET	RTD-10	RTD-20	RTD-HO
On/Off	M	M,V,R	M	M*
Set point	M	M,V,R	M	M*
Mode	M	M,V,R	M	M*
Fan	M	M,V,R	M	M*
Louver	M	M,V,R	M	M*
HRV Damper control	M	M,V,R	M	
Prohibit/Restrict functions	M	M,V,R	M	M*
Forced thermo off				

Monitoring functions	RTD-NET	RTD-10	RTD-20	RTD-HO
On/Off	M	M	M	M
Set point	M	M	M	M
Mode	M	M	M	M
Fan	M	M	M	M
Louver	M	M	M	M
RC temperature	M	M	M	M
RC mode	M	M	M	M
N° of units	M	M	M	M
Fault	M	M	M	M
Fault code	M	M	M	M
Return air temperature (Average/Min/Max)	M	M	M	M
Filter alarm	M	M	M	M
Termo on	M	M	M	M
Defrost	M	M	M	M
Coil In/Out temperature	M	M	M	M

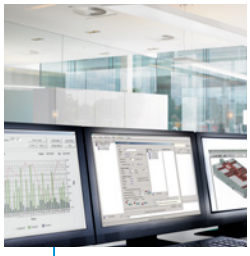
M : Modbus / R: Resistance / V : Voltage / C: control
* : only when room is occupied / ** : setpoint limitation / (*) if available
*** : no fan speed control on the CYV air curtain / **** : run & fault

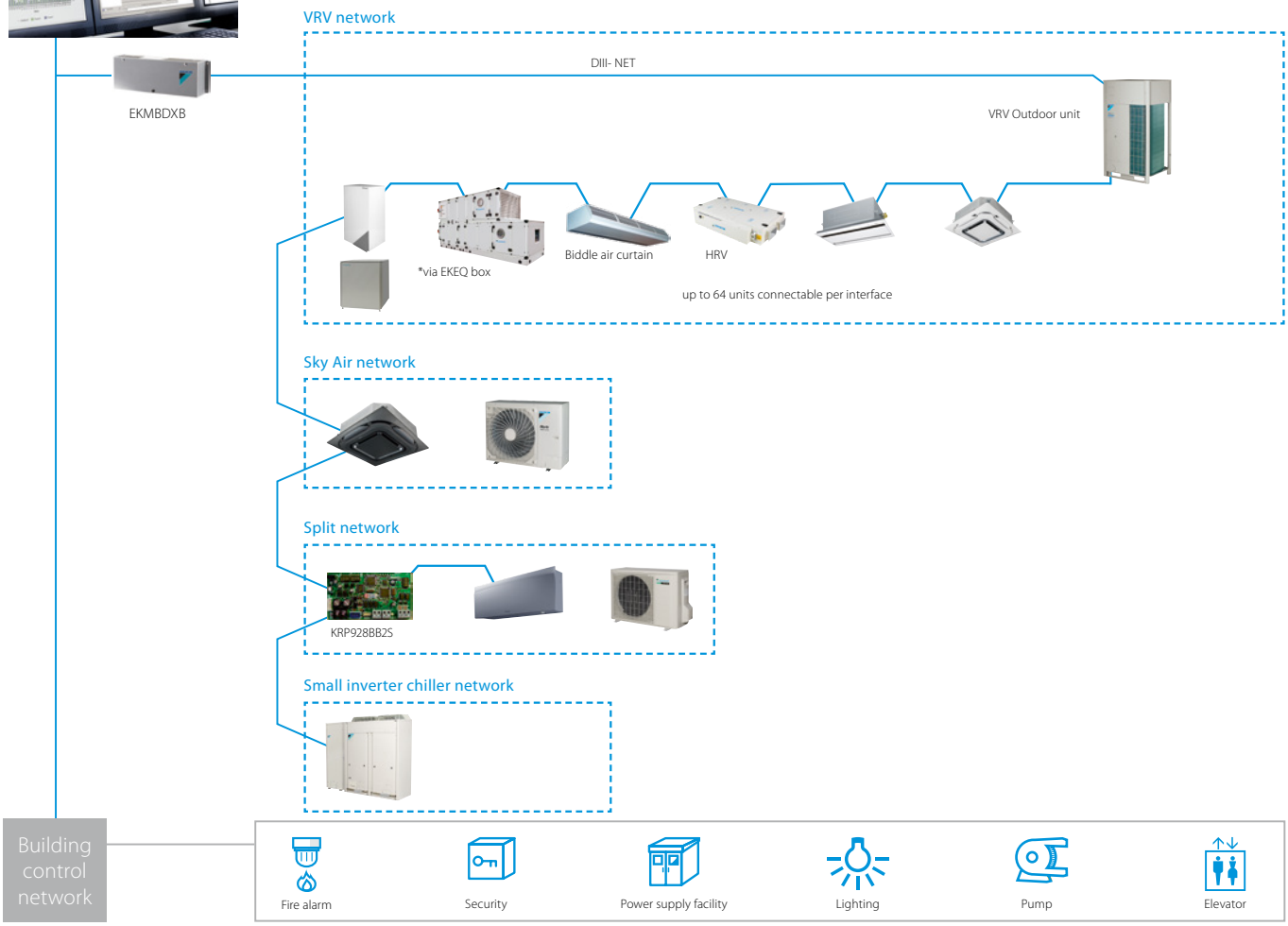
EKMBDXB

DIII-net Modbus interface

Integrated control system for seamless connection between Split, Sky Air, VRV and small inverter chillers and BMS systems

› Communication via Modbus RS485 protocol
› Detailed monitoring and control of the VRV total solution
› Easy and fast installation via DIII-net protocol
› As the Daikin DIII-net protocol is being used, only one modbus interface is needed for a group of Daikin systems (up to 10 outdoor units systems).





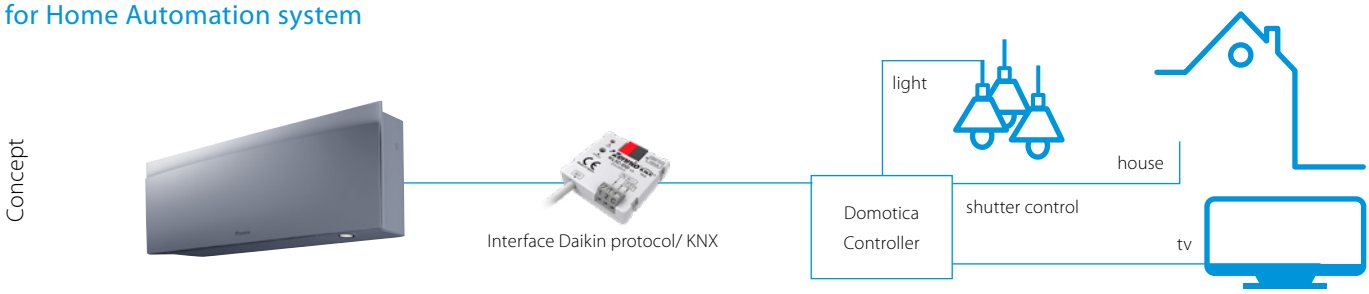
			EKMBDXB7V1
Maximum number of connectable indoor units			64
Maximum number of connectable outdoor units			10
Communication	DIII-NET - Remark		DIII-NET (F1F2)
	Protocol - Remark		2 wire; communication speed: 9,600 bps or 19,200 bps
	Protocol - Type		RS485 (modbus)
	Protocol - Max. Wiring length	m	500
Dimensions	HeightxWidthxDepth	mm	124x379x87
Weight		kg	2.1
Ambient temperature - operation	Max.	°C	60
	Min.	°C	0
Installation			Indoor installation
Power supply	Frequency	Hz	50
	Voltage	V	220-240

KLIC-DDV3
KLIC-DI_V2

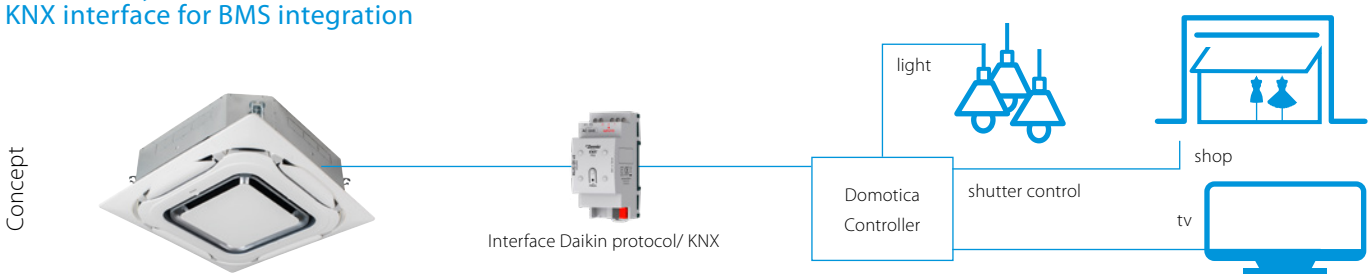
KNX interface

Integration of Split, Sky Air and VRV in HA/BMS systems

Connect split indoor units to KNX interface for Home Automation system



Connect Sky Air / VRV indoor units to KNX interface for BMS integration



KNX interface line-up

The integration of Daikin indoor units through the KNX interface allows monitoring and control of several devices, such as lights and shutters, from one central controller. One particularly important feature is the ability to programme a 'scene' - such as "Home leave" - in which the end-user selects a range of commands to be executed simultaneously once the scenario is selected. For instance in "Home leave", the air conditioner is off, the lights are turned off, the shutters are closed and the alarm is on.

KNX interface for

	 KLIC-DDV3 size 45x45x15mm	 KLIC-DI_V2 size 90x60x35mm	
	Split	**Sky Air**	**VRV**
Basic control			
On/Off	●	●	●
Mode	Auto, heat, dry, fan, cool	Auto, heat, dry, fan, cool	Auto, heat, dry, fan, cool
Temperature	●	●	●
Fan speed levels	3 or 5 + auto	2 or 3	2 or 3
Swing	Stop or movement	Stop or movement	Swing or fixed positions (5)
Advanced functionalities			
Error management	Communication errors, Daikin unit errors		
Scenes	●	●	●
Auto switch off	●	●	●
Temperature limitation	●	●	●
Initial configuration	●	●	●
Master and slave configuration		●	●

Daikin Cloud Service

to achieve optimal operation

Daikin Cloud Service is a cloud-based remote control and monitoring solution for DX systems. Using enhanced control, monitoring and predictive logic, Daikin Cloud Service provides real-time data and support from Daikin experts to help you identify cost-saving opportunities, increase the lifetime of your equipment and reduce the risk of unexpected issues.

Monitor & control* your system no matter where you are while teaming up with Daikin experts

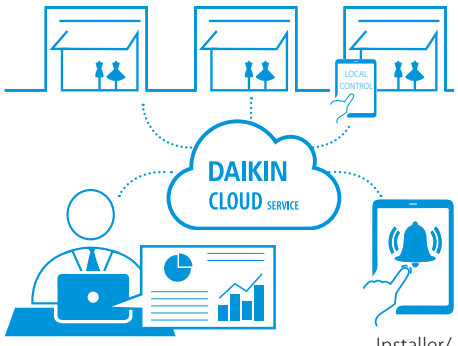
Remote control and energy visualisation

Puts you in the driving seat of your energy management

- ☑ Control and monitor your premises, wherever you are
- ☑ Centralised control and monitoring of all your premises
- ☑ Check errors remotely without having to go on site
- ☑ Visualise energy consumption and reduce energy waste by comparing different premises
- ☑ Graphical visualization of IEQ parameters (frequency day, week, month, year)
- ☑ Export & print IEQ parameters

Multi-site monitoring

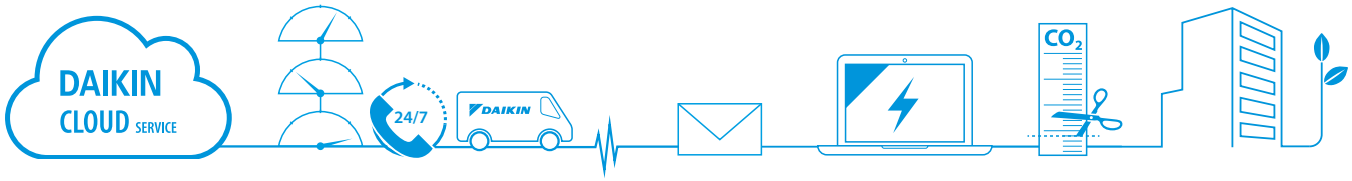
From one to an ∞ number of sites



Remote support and diagnostics

Daikin specialist supervision, so you can focus on your core business

- ☑ Early warning of system deviations to maximise system uptime and avoid emergency repairs**
- ☑ Service providers have access to operational data so they arrive on site prepared
- ☑ Remote expert assistance in case of errors



Advice and optimisation

Get the best out of your system through expert advice

- ☑ Periodical analysis and optimisation report by experts
- ☑ Personalised actions to maximise energy efficiency and comfort
- ☑ Increased system lifetime as the system runs as it should

Daikin Cloud Service requires a subscription. Contact your local sales representative for more information.

* Remote Control function via Daikin Cloud Service only available for sites with an Intelligent Tablet controller

** Only available for VRV systems

Daikin Cloud Service packages

	Control and monitoring	Remote support and diagnostics	Advice and optimisation
Remote control, scheduling and interlocking	✓ (DCC601A51 only)	✓ (DCC601A51 only)	✓ (DCC601A51 only)
Energy monitoring	✓	✓	✓
Multi-site benchmark	✓	✓	✓
Alarm history and e-mail notifications**	✗	✓	✓
Predictions and e-mail notifications**	✗	✓	✓
Operational data access	✗	✓	✓
Indoor use analysis	✗	✓	✓
Outdoor use analysis	✗	✓	✓
Remote diagnostic and support from Daikin	✗	✓	✓
Periodical analysis and optimisation advice from Daikin	✗	✗	✓
Can be combined with maintenance programmes: - Technical inspection - Preventive Maintenance Plan - Comprehensive Maintenance Plan	✗	✗	✓

Packages subject to local availability
Daikin Cloud Service replaces VRV Cloud and i-Net services.

Flexible solution

Manage your premises according to your needs, using a local control or remotely via Daikin Cloud Service, or a combination of both.

Control*, no matter where you are

Daikin Cloud Service gives you full control of one or more premises wherever you are, using your PC, tablet or smartphone.

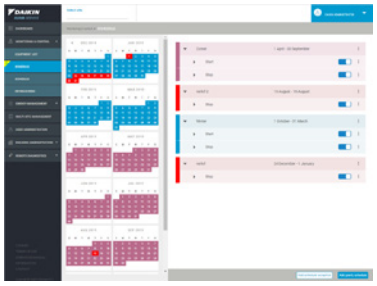
Predictive logic for VRV to prevent breakdowns

The operational data is continuously analysed by Daikin algorithms to predict potential failures and avoid unexpected costs.

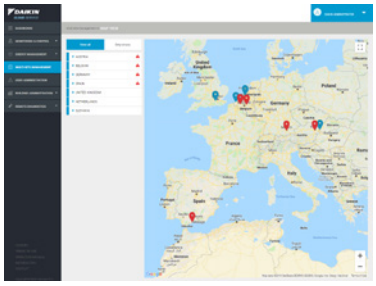
Compatible with:

› Intelligent Tablet Controller (DCC601A51)
› Intelligent Touch Manager (DCM601B51) + IoT gateway
› LC8 + IoT gateway

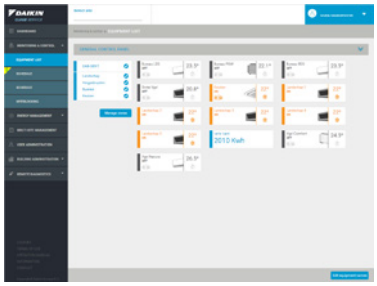
1. Clear dashboard overview



3. Easy setting of schedules

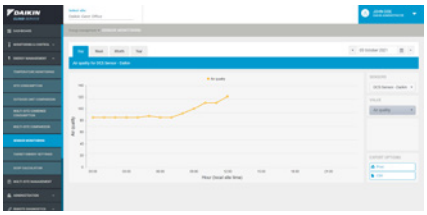


5. Multi site management

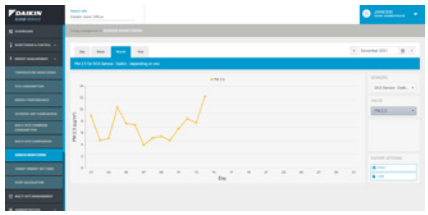


2. Monitor and control your system

4. Energy management and consumption follow up



IEQ dashboard on DCS



DCS IEQ Sensor Monitoring

* Remote Control function via Daikin Cloud Service only available for sites with an Intelligent Tablet controller

** Only available for VRV systems

K.RSS

Wireless room temperature sensor

Flexible and easy installation

› Accurate temperature measurement thanks to flexible placement of the sensor
› No need for wiring
› No need to drill holes
› Ideal for refurbishment

Connection diagram Daikin indoor unit PCB (FXSQ example)

Specifications

			Wireless room temperature sensor kit (K.RSS)	
			Wireless room temperature receiver	Wireless room temperature sensor
Dimensions		mm	50 x 50	ø 75
Weight		g	40	60
Power supply			16VDC, max. 20 mA	N/A
Battery life			N/A	+/- 3 years
Battery type			N/A	3 Volt Lithium battery
Maximum range		m	10	
Operation range		°C	0~50	
Communication	Type		RF	
	Frequency	MHz	868.3	

› Room temperature is sent to the indoor unit every 90 seconds or if the temperature difference is 0.2°C or larger.

KRCS*

Wired room temperature sensor

› Accurate temperature measurement, thanks to flexible placement of the sensor
› specifc model code for each indoor unit can be found in the option tables

Specifications

Dimensions (HxW)	mm	60 x 50
Weight	g	300
Length of branch wiring	m	12

ADAPTER PCBs

Simple solutions for unique requirements
Concept and benefits

› Low cost option to satisfy simple control requirements
› Deployed on single or multiple units

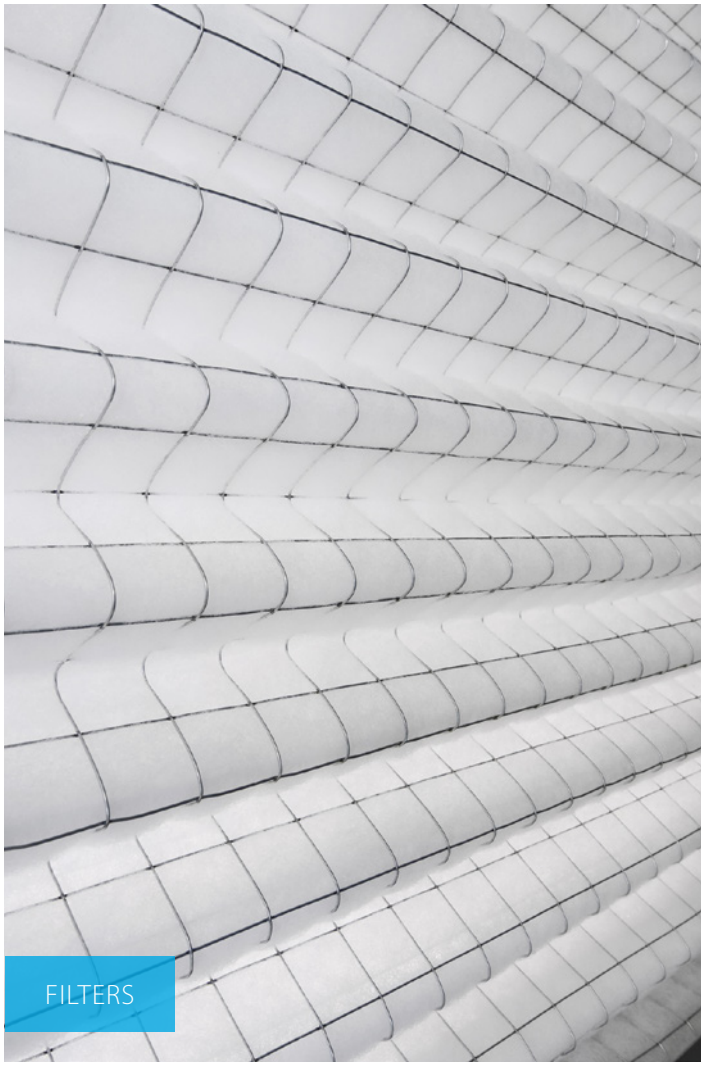
			Connectable to:		
			Split	Sky Air	VRV
	**(E)KRP1B*** adapter for wiring	› Facilitates integration of auxiliary heating apparatus, humidifiers, fans, damper › Powered by and installed at the indoor unit		●	●
	**KRP2A*/KRP4A*** Wiring adapter for electrical appendices	› Remotely start and stop up to 16 indoor units (1 group) (KRP4A* via P1 P2) › Remotely start and stop up to 128 indoor units (64 groups) (KRP2A* via F1 F2) › Alarm indication/ fire shut down › Remote temperature setpoint adjustment › Cannot be used in combination with a central controller		●	●
	**SB.KRP58M2**	› Low noise and demand control option for RZAG-N* and RZASG-M* series. › Obligatory mounted plate EKMKSA2 needs to be ordered separately		●	
	**KRP58M51**	› Low noise and demand control option for RZA-D series. › Includes obligatory mounted plate EKMKSA3 › Obligatory mounting plate EKMKSA3 needs to be ordered separately		●	
	**DTA104A*** Outdoor Unit External Control Adapter	› Individual or simultaneous control of VRV system operating mode › Demand control of individual or multiple systems › Low noise option for individual or multiple systems			●
	**DCS302A52-9** Unification adapter for computerized control	› Enables unified display (operation/malfunction) and unified control (ON/OFF) from BMS system › Must be used together with Intelligent Touch Controller or intelligent Touch Manager › Cannot be combined with KRP2/4* › Can be used for all VRV indoor models			●
	**KRP928*** Interface adapter for DIII-net	› Allows integration of split units to Daikin central controls	●		
	**KRP980*** Adapter for split units without an S21 port	› Connect a wired remote control › Connect to Daikin central controls › Allow external contact	●		
	**KRP413*** Wiring adapter normal open contact / normal open pulse contact	› Switch off auto restart after power failure › Indication of operation mode / error › Remotely start/stop › Remotely change operation mode › Remotely change fan speed	●		

Some adapters require an installation box, refer to the option lists for more information

Accessories

EKRORO		› External ON/OFF or forced off › Example: door or window contact
EKRORO 3		› External ON/OFF or forced off › F1/F2 contact › Example: door or window contact
KRC19-26A		› Mechanical cool/heat selector › Allows switching over an entire system between cooling/heating/fan only › Connects to the A/B/C terminals of the unit
BRP2A81		› Cool/heat selector PCB › Required to connect KRC19-26A to a VRV IV outdoor unit

AUTO-CLEANING PANEL



FILTERS

INTELLIGENT SENSORS

Options & accessories

Options - Sky Air

			FCAHG-H FCAG-B	FFA-A9	FDXM-F9	FBA-A(9)
	INDOOR UNITS					
Panels	Decoration panel (obligatory for cassette units, optional for others)		Standard panels: BYCQ140E (white) / BYCQ140EW (full white)(1) / BYCQ140EB (black) Auto cleaning panels(2) (4): BYCQ140EGF (white) / BYCQ140EGFB (black) Designer panels: BYCQ140EP (white) / BYCQ140EPB (black)	BYFQ60CW (white) BYFQ60CS (silver) BYFQ60B3 (standard)		
	Panel spacer for reducing required installation height			KDBQ44B60 (only for standard panel)		
	Sealing kit for 3- or 2-directional air discharge		KDBHQ56B140 (11)	BDBHQ44C60		
	Sensor kit		BRYQ140B (white) BRYQ140BB (black) BRYQ140C (white designer) BRYQ140CB (black designer)	BRYQ60AW (white)(9) BRYQ60AS (silver)(9)		
Individual control systems	Onecta app		BRP069C82 (14) (18)	BRP069C81 (18)	BRP069C81	BRP069C81 (18)
	Infrared remote control (incl. receiver)		BRC7FA532F (white) (11) (16) BRC7FA532FB (black) (11) (16) BRC7FB532F (designer white) (11) (16) BRC7FB532FB (designer black) (11) (16)	BRC7EB530W for standard panel (5)(6) BRC7F530W for white panel (5)(6) BRC7F530S - for silver panel (5)(6)	BRC4C65	BRC4C65
	Madoka **BRC1H519W7** (9) (White) / **BRC1H519S7** (9) (Silver) / **BRC1K519K7** (9) (Black) User-friendly wired remote controller with premium design		●	●	●	●
	BRC1E53A/B/C (3) (13) - Wired remote controller with full-text interface and back-light		●	●	●	●
Centralised control systems	DIII-net connection - for connection to centralized control		standard	standard	standard	standard
	DCC601A51 - intelligent Tablet Controller		●	●	●	●
	DCS601C51 (13) - intelligent Touch Controller		●	●	●	●
	DCS302C51 (13) - Central remote controller		●	●	●	●
	DCS301B51 (13) - Unified ON/OFF controller		●	●	●	●
Building Management System & Standard protocol interfaces – **for individual control**	**RTD-NET** - Modbus interface for monitoring and control		●	●	●	●
	RTD-10 - Modbus interface for infrastructure cooling		●	●	●	●
	RTD-20 - Modbus interface for retail		●	●	●	●
	RTD-HO - Modbus interface for hotel		●	●	●	●
	KLIC-DI_V2 - KNX Interface		●	●	●	●
for central control	**DCM601B51** - intelligent Touch Manager		●	●	●	●
	EKMBDXB - Modbus interface		●	●	●	●
	DCM010A51 - Daikin PMS interface		●	●	●	●
	DMS502A51 - BACnet Interface		●	●	●	●
	DMS504B51 - LonWorks Interface		●	●	●	●
Filters	Auto cleaning filter		see deco panel		BAE20A62 (25 - 35) BAE20A102 (50 - 60)	
	UV Streamer kit (purifies the air of pollutants such as viruses, bacteria, fine dust, oudeurs, allergens, etc ensuring a healthy indoor environment)	UV Streamer kit	BAEF125AWB (22)			
		Replacement filter	BAF55A125			
	High efficiency filter		BAF552AA160 ePM10 60% (22) (BAF552AA160-5: box of 5 filters) (BAF552AA160-10: box of 10 filter)			
	Replacement long-life filter, non-woven type		KAF5511D160	KAF441C60		
	Filter chamber					
Wiring and sensors	Extension wire auto cleaning panel (required when auto cleaning panel AND Onecta app are both installed)					
	KRCS - External wired temperature sensor		KRCS01-5B	KRCS01-4	KRCS01-4	KRCS01-4
	K.RSS - External wireless temperature sensor		SB.K.RSS_RFC (EKEWTSC-2 + K.RSS)	●		●
Wiring and sensors Adapters	Wiring adapter with 2 output signals (compressor/ Error, Fan output)		KRP1BA58 (10)(11)	KRP1B57 (10)	KRP1B56 (10)	
	Adapter (interlock for fresh air intake fan)					KRP1B54
	Adapter with 4 output signals (compressor / Error, Fan, Aux, heater, Humidifier output)		EKRP1C12 (10)(11)	EKRP1B2		EKRP1B2 (7)
	Adapter for centralised external monitoring/control (controls 1 entire DIII-NET system)				KRP2A53 (10)	KRP2A51 (7)(10)
	Adapter for centralised external monitoring/control via dry contacts and setpoint control via 0-140Ω (for dedicated indoor)		KRP4A53 (10)(11)(17)	KRP4A51	KRP4A54-9	KRP4A52 (10)
	Adapter for keycard and/or window contact connection (in combination with BRC1H*, BRC1/2/3E* only)		BRP7A53	BRP7A53	BRP7A54 (10)	BRP7A51 (12)
	Installation box/Mounting plate for adapter PCBs (when there is no space in the switchbox, an installation box is required)		KRP1H98A (11)	KRP4A93	KRP1BC101	KRP1BC101
	Wiring kit for Remote ON/OFF or Forced OFF		standard	standard	standard	standard
Others	Drain pump kit					
	Multi zoning kit (for detailed model code overview refer to multizoning argue card in this catalogue)				●	●
	L-type piping kit (upward direction)					
	Fresh air intake kit (direct installation type)		KDDP55C160-1 (chamber) KDDP55D160-2 (diffuser) (11)	KDDQ44XA60		
	Air discharge adapter for round duct					KDAP25A56A (35-50) KDAP25A71A (60-71) KDAP25A140A (100-140)

(1) Dirt formation is more easily visible on white insulation. It is recommended not to install this option in environments with a high concentration of dirt.
(2) To be able to control option BYCQ140EG(F)/EGFB, controller BRC1H*, BRC1E* is needed. These options cannot be combined with RXYSQ*, multi or non-inverter split units
(3) Included languages are:
A: English, German, French, Dutch, Spanish, Italian and Portuguese
B: English, Bulgarian, Croatian, Czech, Hungarian, Romanian and Slovenian
C: English, Greek, Polish, Russian, Albanian, Slovak and Turkish
(4) The option is intended exclusively for use in fine dust enviornments (e.g. Clothing shops). Do not use it in environments that are greasy or have high humidity. F = finer mesh
(5) Sensing function is not available
(6) Individual flap control function not available
(7) If installing an electrical heater, an option PCB for external electrical heater (EKRP1B2) for each indoor unit is required. These options require mounting plate KRP4A96. Electrical heaters and humidifiers are field-supplied. Do not install them inside the equipment.
(8) Mounting plate KRP4A96 is required for these options. Maximum 2 option PCB's can be mounted.

FDA125A	FDA200-250A	ADEA-A	FAA-B	FTXM-R	FHA-A(9)	FUA-A	FVA-A	FNA-A9
BYBS125D (19)						KDBTP49B140		
						KDBHP49B140		
BRP069C81 (18)	BRP069C82 (20)	BRP069C81 (18)	BRP069C81 (18)	Integrated in PCB	BRP069C81 (18)	BRP069C81 (18)	BRP069C81 (18)	BRP069C81 (18)
BRC4C65	BRC4C65	BRC4C65	BRC7EA631 (71 class) BRC7EA632 (100 class)	ARC466A67	BRC7GA53-9	BRC7C58		BRC4C65
●	●	●	●		●	●	●	●
●	●	●	●	● (BRC073A1) BRCW901A03/A08 extention cords available) (15)	●	●	●	●
standard	standard	standard	standard	KRP928BB2S (15)	standard	standard	standard	standard
●	●	●	●		●	●	●	●
●	●	●	●	● (15)	●	●	●	●
●	●	●	●	● (15)	●	●	●	●
●	●	●	●	● (15)	●	●	●	●
●	●	●	●	● (15)	●	●	●	●
●	●	●	●	● (15)	●	●	●	●
●	●	●	●	● (15)	●	●	●	●
●	●	●	●	● (15)	●	●	●	●
●	●	●	●	● (KLIC-DDV3) (15)	●	●	●	●
●	●	●	●	● (15)	●	●	●	●
●	●	●	●	● (15)	●	●	●	●
●	●	●	●	● (15)	●	●	●	●
●	●	●	●	● (15)	●	●	●	●
●	●	●	●	● (15)	●	●	●	●
	BAFL502A250 (20)				KAF501B56 (35-50) KAF501B80 (60-71) KAF501B160 (100-140)	KAF5511D160	KAFJ95L160	
	BDD500B250							
KRCS01-4	KRCS01-6B	KRCS01-4	KRCS01-4		KRCS01-4	KRCS01-4		KRCS01-4
●	SB.K.RSS_FDA (EKEWTSC-1 + K.RSS)	●			●	●		●
	KRP4A51 (17)		KRP4A51 (10)	KRP413AB1S (15)			KRP1B57 (10)	
KRP1C64 (8)	KRP1C65	KRP1B54			KRP1B54 (10)			
EKRP1B2 (7)	EKRP1C13	EKRP1B2 (7)						KRP1B56
KRP2A51 (8)	KRP2A51 (17)	KRP2A51 (7)(10)						
		KRP4A52 (10)	KRP4A51 (10)		KRP4A52 (10)	KRP1B97	KRP4A52 (10)	KRP4A54-9
BRP7A54 (8)	BRP7A54	BRP7A51 (12)	BRP7A51 (10)		BRP7A52 (10)	BRP7A53 (10)	BRP7A52 (10)	
KRP4A96		KRP1BC101	KRP4B93		KRP1D93A (21)	KRP1BA97	KRP4AA95	KRP1BB101
EKRORO3		standard	standard		EKRORO4	EKRORO5	standard	standard
	BDU510B250VM		K-KDU572KVE		KDU50R63 (35 - 60) KDU50R160 (71 - 140)			
		●						
					KHFP5MA35 (35) KHFP5N63 (50-60) KHFP5N160 (71-140)			
KDAJ25K140A		KDAP25A56A (35-50) KDAP25A71A (60-71) KDAP25A140A (100-140)						

(9) This option cannot be used with RR and RQ models
(10) Requires installation box for adapter PCB, refer to table for model code
(11) This option cannot be combined with BYCQ140EG(F)/EGFB
(12) Maximum 2 optional PCBs can be mounted
(13) Applicable boxes (KJB*) to mount controllers can be found in the controls option list
(14) Extention wire (EWHAR1) is needed if both auto cleaning panel AND Onecta app are connected
(15) Wire harness EKRS21 needed. Standard Wireless LAN needs to be turned off to use these controllers
(16) The active airflow circulation function is not available for this controller
(17) This option cannot be combined with Onecta app
(18) Only possible in combination with wired or wireless remote control
(19) For directly mounting the decoration panel on the unit, decoration panel option EKBYBSD is required.
(20) This option cannot be combined with KRP4A51 and KRP2A51. (in case of filter, filter chamber is required)
(21) Mounting plate KKSAP50A56 needed for 35-50 capacity class
(22) Only possible in combination with BYCQ140E and BYCQ140EW. Cannot be combined with other filters, chambers, fresh air intake kits or air discharge outlet sealing member kit

		R-32				
		RZAG-A	RZAG-NV1/NY1	RZASG-MV1/MY1	RZA-D	AZAS-MV1/MY1
Refrigerant branch piping (3)	for twin		KHRQ58T	KHRQ58T	KHRQ22M20TA	
	for triple		KHRQ58H (100 - 140)	KHRQ58H (100 - 140)	KHRQ250H7	
	for double twin		KHRQ58T (3x) (125 - 140)	KHRQ58T (3x) (125 - 140)	KHRQ22M20TA (x3)	
	Asymmetric combinations piping reducer	ASYCPIR (see table below)				
Demand adapter kit			SB.KRP58M52 (1)	SB.KRP58M52 (1)	KRP58M51 (2)	
Bottom plate heater - To keep drain holes ice-free in extreme weather conditions (one per outdoor unit needed)			EKBPH140N		EKBPH250D	
Sound enclosure			EKLN140A		EKLN140A	

(1) Contains KRP58M1 and obligatory mounting kit EKMKSA2
(2) To mount KRP58M51, an additional mounting kit (EKMKSA3) needs to be used (obligatory)
(3) For metric size refrigerant branching contact your local sales representative

EKLN140A - Sound enclosure

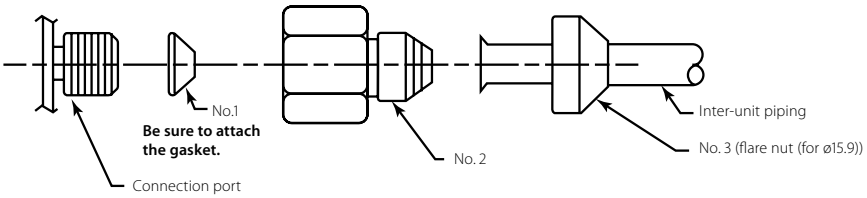
Drain pan	EKLN140-DP
Drain pan heater tape	EKLN140-DPHT (1)

(1) Only in combination with EKLN140-DP

Option for asymmetric combination (Asymmetric combinations piping reducer)

ASYCPIR		Liquid	GAS	
		ø 9.52 → ø 6.4	ø 12.7 → ø 9.52	ø 15.9 → ø 12.7
RZAG35A	FDXM50F9		●	
	FFA50A9		●	
	FBA50A9		●	
	FCAG50B		●	
	FNA50A9		●	
	FTXM50R		●	
	FHA50A9		●	
RZAG60A	FBA71A9	●		
	FCAG71B	●		●
	FTXM71R			●
	FHA71A9	●		●

Example of using:
1) Connecting a pipe of ø12.7 to a gas pipe connection port for ø15.9:



Field applied **accessories** for **Made-To-Stock** units

		BASE series (UATYA-BBAY1)					FC2 series (UATYA-BFC2Y1)						FC3 series (UATYA-BFC3Y1)						
		25-30	40-50	60-70	80-120	140-190	25-30	40 - 50	60-70	80-90	100-120	140-190	25-30	40-50	60-70	80-100	110-120	140-180	190
Air treatment	Filter ISO Coarse 75% (G4)	2x UATYAC75A + 2x UATYAC75B (Standard for MTS)	3x UATYAC75A + 3x UATYAC75B (Standard for MTS)	6x UATYAC75B (Standard for MTS)	12x UATYAC75C (Standard for MTS)	12x UATYAC75C (Standard for MTS)	2x UATYAC75A + 2x UATYAC75B (Standard for MTS)	3x UATYAC75A + 3x UATYAC75B (Standard for MTS)	6x UATYAC75B (Standard for MTS)	12x UATYAC75C (Standard for MTS)	12x UATYAC75C (Standard for MTS)	12x UATYAC75C (Standard for MTS)	2x UATYAC75A + 2x UATYAC75B (Standard for MTS)	3x UATYAC75A + 3x UATYAC75B (Standard for MTS)	6x UATYAC75B (Standard for MTS)	12x UATYAC75C (Standard for MTS)	12x UATYAC75C (Standard for MTS)	12x UATYAC75C (Standard for MTS)	12x UATYAC75C (Standard for MTS)
	Filter ISO ePM10 50% (M5/F5)	2x UATYAEP-M1050A + 2x UATY-AEPM1050B	3x UATYAEP-M1050A + 3x UATY-AEPM1050B	3x UATY-AEPM1050B	12x UATYAEP-M1050C	12x UATYAEP-M1050C	2x UATYAEP-M1050A + 2x UATY-AEPM1050B	3x UATYAEP-M1050A + 3x UATY-AEPM1050B	3x UATY-AEPM1050B	12x UATYAEP-M1050C	12x UATYAEP-M1050C	12x UATYAEP-M1050C	2x UATYAEP-M1050A + 2x UATY-AEPM1050B	3x UATYAEP-M1050A + 3x UATY-AEPM1050B	3x UATY-AEPM1050B	12x UATYAEP-M1050C	12x UATYAEP-M1050C	12x UATYAEP-M1050C	12x UATYAEP-M1050C
	Filter ISO ePM10 70% (M6)	2x UATYAEP-M1070A + 2x UATY-AEPM1070B	3x UATYAEP-M1070A + 3x UATY-AEPM1070B	6x UATY-AEPM1070B	12x UATYAEP-M1070C	12x UATYAEP-M1070C	2x UATYAEP-M1070A + 2x UATY-AEPM1070B	3x UATYAEP-M1070A + 3x UATY-AEPM1070B	6x UATY-AEPM1070B	12x UATYAEP-M1070C	12x UATYAEP-M1070C	12x UATYAEP-M1070C	2x UATYAEP-M1070A + 2x UATY-AEPM1070B	3x UATYAEP-M1070A + 3x UATY-AEPM1070B	6x UATY-AEPM1070B	12x UATYAEP-M1070C	12x UATYAEP-M1070C	12x UATYAEP-M1070C	12x UATYAEP-M1070C
	Rigid bag filter ISO ePM1 50% (F7)	2x UATYAEP-M150A + 2x UATY-AEPM150B	3x UATYAEP-M150A + 3x UATY-AEPM150B	6x UATY-AEPM150B	12x UATYAEP-M150C	12x UATYAEP-M150C	2x UATYAEP-M150A + 2x UATY-AEPM150B	3x UATYAEP-M150A + 3x UATY-AEPM150B	6x UATY-AEPM150B	12x UATYAEP-M150C	12x UATYAEP-M150C	12x UATYAEP-M150C	2x UATYAEP-M150A + 2x UATY-AEPM150B	3x UATYAEP-M150A + 3x UATY-AEPM150B	6x UATY-AEPM150B	12x UATYAEP-M150C	12x UATYAEP-M150C	12x UATYAEP-M150C	12x UATYAEP-M150C
	Rigid bag filter ISO ePM1 85% (F9)	2x UATYAEP-M185A + 2x UATY-AEPM185B	3x UATYAEP-M185A + 3x UATY-AEPM185B	6x UATY-AEPM185B	12x UATYAEP-M185C	12x UATYAEP-M185C	2x UATYAEP-M185A + 2x UATY-AEPM185B	3x UATYAEP-M185A + 3x UATY-AEPM185B	6x UATY-AEPM185B	12x UATYAEP-M185C	12x UATYAEP-M185C	12x UATYAEP-M185C	2x UATYAEP-M185A + 2x UATY-AEPM185B	3x UATYAEP-M185A + 3x UATY-AEPM185B	6x UATY-AEPM185B	12x UATYAEP-M185C	12x UATYAEP-M185C	12x UATYAEP-M185C	12x UATYAEP-M185C
Control	**UATYACO2P** - Duct air quality CO_2 probe	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	UATYACAP - Constant air pressure control airflow transducer	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	UATYAWRC - Remote touch screen wired remote controller	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	UATYARRP - Room temperature return probe (incl. housing)	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
	UATYASA - Fire and smoke alarm	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●	●
Other	Rainproof hood with anti-intrusion grille	not possible	not possible	not possible	not possible	not possible	UATYARPH3	UATYARPH4	UATYARPH5	UATYARPH6	UATYARPH6	UATYARPH6	UATYARPH1	UATYARPH2	UATYARPH8	UATYARPH7	UATYARPH7	UATYARPH7	UATYARPH7
	Rubber antivibration mounts	2x UATYAAVM1	2x UATYAAVM1	2x UATYAAVM1 + 1x UATYAAVM2	4x UATYAAVM1	2x UATYAAVM1 + 2x UATYAAVM2	2x UATYAAVM1	2x UATYAAVM1	3x UATYAAVM1 + 1x UATYAAVM2	4x UATYAAVM1	3x UATYAAVM1 + 1x UATYAAVM2	2x UATYAAVM1 + 2x UATYAAVM2	1x UATYAAVM1 + 1x UATYAAVM2	1x UATYAAVM1 + 2x UATYAAVM2	3x UATYAAVM1 + 1x UATYAAVM2	2x UATYAAVM1 + 2x UATYAAVM2	2x UATYAAVM1 + 2x UATYAAVM2	4x UATYAAVM1 + 1x UATYAAVM2	3x UATYAAVM1 + 2x UATYAAVM2
	Rubber antivibration mounts when gas heater is used	1x UATYAAVM1 + 1x UATYAAVM2	1x UATYAAVM1 + 1x UATYAAVM2	1x UATYAAVM1 + 2x UATYAAVM2	5x UATYAAVM1	5x UATYAAVM1	2x UATYAAVM1	1x UATYAAVM1 + 1x UATYAAVM2	4x UATYAAVM1	5x UATYAAVM1	5x UATYAAVM1	5x UATYAAVM1	1x UATYAAVM1 + 1x UATYAAVM2	2x UATYAAVM1 + 1x UATYAAVM2	4x UATYAAVM1	5x UATYAAVM1	4x UATYAAVM1 + 1x UATYAAVM2	3x UATYAAVM1 + 2x UATYAAVM2	3x UATYAAVM1 + 2x UATYAAVM2

Field applied **accessories** for **Made-To-Order** units

		MTO - BASE series	MTO - FC2 series	MTO - FC3 series	MTO - RS4 series
Control	**UATYACO2P** - Duct air quality CO_2 probe	●	●	●	●
	UATYACAP - Constant air pressure control airflow transducer	●	●	●	●
	UATYAWRC - Remote touch screen wired remote controller	●	●	●	●
	UATYARRP - Room temperature return probe (incl. housing)	●	●	●	●
	UATYASA - Fire and smoke detector	●	●	●	●
Other	Rubber antivibration mounts	● (1)	● (1)	● (1)	● (1)
	Rainproof hood with anti-intrusion grille	● (1)	● (1)	● (1)	● (1)

(1) Reference code to be selected in selection software

Options - Ventilation

		Heat Recovery Ventilation - Modular T (Smart)					Heat Recovery Ventilation - Modular L (Smart)			
		ATB03RAS/LAS	ATB04RAS/LAS	SB.ATB05RAS/LAS	SB.ATB06RAS/LAS	SB.ATB07RAS/LAS	ALB02LBS/RBS	ALB03LBS/RBS	ALB04,05LBS/RBS	ALB06,07LBS/RBS
Individual control systems	**BRC301B61** VAM wired remote control	•	•	•	•	•	•	•	•	•
	Madoka **BRC1H52W** (White) / **BRC1H52S** (Silver) / **BRC1H52K** (Black) User-friendly wired remote controller with premium design	•	•	•	•	•	•	•	•	•
	BRC1E53A/B/C Wired remote control with full-text interface and back-light	•	•	•	•	•	•	•	•	•
	BRC1D52 Standard wired remote control with weekly timer	•	•	•	•	•	•	•	•	•
Centralised control systems	**DCC601A51** intelligent Tablet Controller	•	•	•	•	•	•	•	•	•
	DCS601C51 intelligent Touch Controller	•	•	•	•	•	•	•	•	•
	DCS302C51 Central remote control	•	•	•	•	•	•	•	•	•
	DCS301B51 Unified ON/OFF control	•	•	•	•	•	•	•	•	•
Building Management System & Standard protocol interface	**DCM601A51** intelligent Touch Manager	•	•	•	•	•	•	•	•	•
	EKMBDXB Modbus interface	•	•	•	•	•	•	•	•	•
	DMS502A51 BACnet Interface	•	•	•	•	•	•	•	•	•
	DMS504B51 LonWorks Interface	•	•	•	•	•	•	•	•	•
Filters	Coarse 55% (G4)	ATF03G4A	ATF04G4A	ATF05G4A	ATF06G4A	ATF07G4A	ALF02G4A	ALF03G4A	ALF05G4A	ALF07G4A
	ePM10 75% (M5)	ATF03M5A	ATF04M5A	ATF05M5A	ATF06M5A	ATF07M5A	ALF02M5A	ALF03M5A	ALF05M5A	ALF07M5A
	ePM10 70% (M6)									
	ePM1 50% (F7)	ATF03F7A	ATF04F7A	ATF05F7A	ATF06F7A	ATF07F7A	ALF02F7A	ALF03F7A	ALF05F7A	ALF07F7A
	ePM1 60% (F7)									
	ePM_1 70% (F8)									
	ePM1 80% (F9)	ATF03F9A	ATF04F9A	ATF05F9A	ATF06F9A	ATF07F9A	ALF02F9A	ALF03F9A	ALF05F9A	ALF07F9A
	High efficiency filter									
	Replacement air filter									
Mechanical accessories	Rail						ALA02RLA	ALA03RLA	ALA05RLA	ALA07RLA
	Rectangular to round duct transition						ALA02RCA	ALA03RC	ALA05RCA	ALA07RCA
	Separate plenum									
CO_2 sensor		BRYMA200	BRYMA200	BRYMA200	BRYMA200	BRYMA200	BRYMA200	BRYMA200	BRYMA200	BRYMA200
Electrical heater for pre treatment of fresh air		ATD03HEFBU	ATD04HEFBU	ATD05HEFBU	ATD06HEFBU	ATD07HEFBU	ALD02HEFB	ALD03HEFB	ALD05HEFB	ALD07HEFB
DX coil for post treatment of fresh air										
Silencer (900mm depth)		ATA0360A	ATA0460A	ATA0560A	ATA0660A	ATA0760A	ALS0290A	ALS0390A	ALS0590A	ALS0790A
Electrical accessories	Wiring adapter for external monitoring/ control (controls 1 entire system)									
	Adapter PCB for humidifier									
	Adapter PCB for third party heater									
	External wired temperature sensor									
	Adapter PCB Mounting plate									
	Installation box for adaptor PCB									

Notes

(1) Do not connect the system to DIII-net devices LONWorks interface, BACnet interface, …; (intelligent Touch Manager, EKMBDXA are allowed)

(2) Installation box needed

(3) Adapter PCB mounting plate needed, applicable model can be found in the table above

(4) 3rd party heater and 3rd party humidifier cannot be combined

(5) Contains 1 plenum and can be used for half side of the unit (up to 4 plenums can be used on 1 unit)

(6) Available only with optional plenum

Energy recovery ventilation - VAM									Energy recovery ventilation VKM			Air handling unit applications		
VAM 150FC9	VAM 250FC9	VAM 350J8	VAM 500J8	VAM 650J8	VAM 800J8	VAM 1000J8	VAM 1500J8	VAM 2000J8	VKM 50GBM	VKM 80GBM	VKM 100GBM	EKEQFCBA (1)	EKEQDCB (1)	EKEQMCBA (1)
•	•	•	•	•	•	•	•	•						
•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•	•	•	•			
•	•	•	•	•	•	•	•	•	•	•	•			
•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•	•	•	•			
•	•	•	•	•	•	•	•	•	•	•	•			
		EKAFVJ50F6	EKAFVJ50F6	EKAFVJ65F6	EKAFVJ100F6	EKAFVJ100F6	EKAFVJ100F6 x2	EKAFVJ100F6 x2						
		EKAFVJ50F7	EKAFVJ50F7	EKAFVJ65F7	EKAFVJ100F7	EKAFVJ100F7	EKAFVJ100F7 x2	EKAFVJ100F7 x2						
		EKAFVJ50F8	EKAFVJ50F8	EKAFVJ65F8	EKAFVJ100F8	EKAFVJ100F8	EKAFVJ100F8 x2	EKAFVJ100F8 x2						
									KAF242H80M	KAF242H100M	KAF242H100M			
									KAF241H80M	KAF241H100M	KAF241H100M			
							EKPLEN200 (5)	EKPLEN200 (5)						
		BRYMA65	BRYMA65	BRYMA65	BRYMA100	BRYMA100	BRYMA200	BRYMA200	BRYMA65	BRYMA100	BRYMA100			
GSIEKA10009	GSIEKA15018	GSIEKA20024	GSIEKA20024	GSIEKA25030	GSIEKA25030	GSIEKA25030	GSIEKA35530 (6)		GSIEKA20024 (8)	GSIEKA20024 (8)	GSIEKA20024 (8)			
			EKVDX32A	EKVDX50A	EKVDX50A	EKVDX80A	EKVDX100A	EKVDX100A						
KRP2A51 (2)	KRP2A51 (2)	KRP2A51 (2)	KRP2A51 (2)	KRP2A51 (2)	KRP2A51 (2)	KRP2A51 (2)	KRP2A51 (2)	KRP2A51 (2)	BRP4A50A (4)	BRP4A50A (4)	BRP4A50A (4)			
									BRP4A50A (4)	BRP4A50A (4)	BRP4A50A (4)			
BRP4A50A	BRP4A50A	BRP4A50A (4)	BRP4A50A (4)	BRP4A50A (3/4)	BRP4A50A (4)	BRP4A50A (4)	BRP4A50A (3/4)	BRP4A50A (3/4)	BRP4A50A (4)	BRP4A50A (4)	BRP4A50A (4)			
													KRCS01-1	
EKMP25VAM	EKMP25VAM			EKMP65VAM			EKMPVAM							
KRP1BB101	KRP1BB101	KRP1BB101	KRP1BB101	KRP1BB101	KRP1BB101	KRP1BB101	KRP1BB101	KRP1BB101						

Individual and centralised controls

	BRC1D*	BRC1E*	BRC1H*	DCS301B51	DST301B51	DCS302C51	DCS601C51
Madoka Assistant app for advanced settings			●				
Electical box KJB111A	●	●	●				
Electical box KJB212A(A) (1)	●	●		●	●		
Electical box KJB311A(A)						●	
Electical box KJB411AA							●

(1) recommended as wider (more stable mounting)

Intelligent Tablet Controller - DCC601A51

		Intelligent Tablet Controller		
		Options for local control	**Daikin Cloud Service options**	**Software**
Wired screen for local control	AL-CCD07-VESA-1	●	–	–
Control and monitoring package		–	●	–
Remote support and diagnostics package		–	●	–
Advise and optimisation package		–	●	–
Commissioning tool		–	–	●
Software update tool		–	–	●

Daikin Cloud Service requires a subscription. Contact your local sales representative for more information

Intelligent Touch Manager - DCM601B51

		intelligent Manager	Daikin Cloud Service options (2)
DIII Plus Adaptor - Allows connection of additional 64 indoor units/groups. Only one adaptor can be connected (for more units, use DIII Plus Adaptor Slots)	DGE601A52	●	
DIII Plus Adaptor - Allows connection of additional 64 indoor units/groups. Up to 6 Adaptor Slots can be added to a DIII Plus Adaptor	DGE601A53		
iTM plus adapter – Allows connection of an additional 64 indoor units/groups. Up to 7 adapters can be connected	DCM601A52	●	
iTM PPD software – Allows distribution of used kWh by indoor units connected to the iTM	DCM002A51	●	
iTM HTTP interface - Allows communication to any third party controller via http interface	DCM007A51	●	
iTM Energy navigator – Energy management option	DCM008A51	●	
iTM BACnet Client option – Enables integration of third party devices to the iTM via the BACnet/IP protocol. (This is not a gateway and cannot replace DMS502A51)	DCM009A51	●	
Property Management System (PMS) interface option - Enables to connect to third party PMS systems	DCM010A51	● Oracle Opera PMS	
Monitoring package			●
Remote support and diagnostics package			●
Advise and optimisation package			●

WAGO interface options for intelligent Touch Manager

Required or optional WAGO base modules

Module type	Model code	Specifications	
24 V DC power supply	787-712	100 to 240 V AC —> 24 V DC, 2.5 A	Required
Communications unit (Bus coupler)	WGDCMCPLR2	RS-485, Max:115.2kbps, not programmable	Required
Connector (1)	750-960		Required
Terminator module	750-600		Required
Power supply module	750-613	IN: 24 V DC, OUT: 5 V DC	Optional

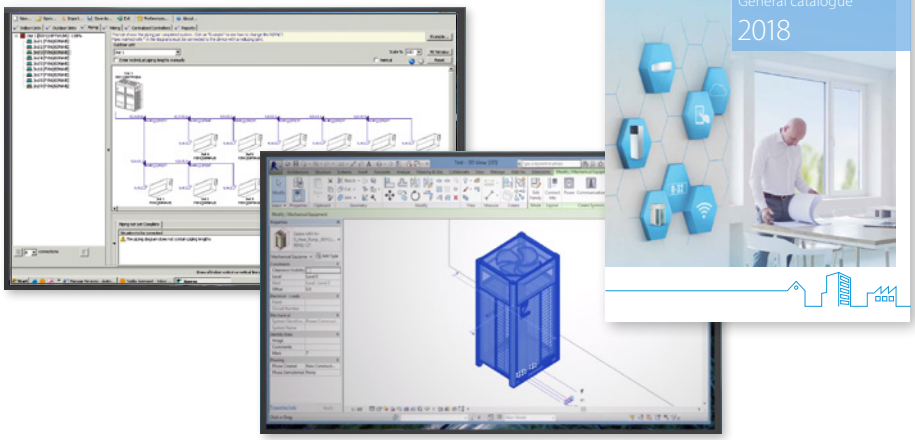
Supported WAGO I/0 modules

I/0 module type	Model code	Specifications	N° of contacts
Di	750-400	No-voltage contact input Contact rating: 24 V DC / 4.5 mA"	2
	750-432		4
	750-430	No-voltage contact input Contact rating: 24 V DC / 2.8 mA	8
Do	750-513/000-001	No-voltage contact output Contact rating: 230 V AC / 30 V DC, 2 A	2
	750-504	No-voltage contact output Contact rating: 24 V DC / 0.5 A	4
Ai	750-454	Rated at 4 to 20 mA: 12-bit resolution	2
	750-455		4
	750-479	Rated at –10 to 10 V: 13-bit resolution	2
	750-459	Rated at 0 to 10 V: 12-bit resolution	4
Ao	750-554	Rated at 4 to 20 mA: 12-bit resolution	2
	750-555		4
	750-560	Rated at –10 to 10 V: 10-bit resolution	2
	750-559	Rated at 0 to 10 V: 12-bit resolution	4
Thermistor	750-461/020-000	NTC20K thermistor	2
	750-461	Pt 100/RTD	2
	750-460		4
	750-461/000-003	Pt 1000/RTD	2
	750-460/000-003		4
	50-461/000-004	Ni 100/RTD	2
	750-461/000-005	Ni1000 TK6180/RTD	2
	750-460/000-005		4
Pi	750-638	Minimum pulse width: 1 ms	2

(1) This connector must be attached to a communications unit that is connected to the RS485 port (2-pin) of the iTM unit.
(2) To connect intelligent Touch Manager to the Daikin Cloud Service, the IoT gateway (EU.SB.5000072) and AC/DC converter (999175A) is needed.

We're here to help you!
Online and offline

http://daikinpromoshop.eu



Tools & platforms

Literature overview

for professional network

Solutions catalogues:

Reference books:

Reference catalogue
Daikin commercial and industrial references

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Product profiles:

Low sound enclosure
Benefits and main specifications of the Daikin low sound enclosure option

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VRV IV S-series
Main benefits, application examples and specs of VRV IV S-series product range

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VRV IV i-series
Main benefits, application examples and specs of VRV IV i-series product range

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Water-to-air heat pump
Detailed info on VRV IV W-series, application examples, technical system design background

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VRV5 S-Series
VRV 5
Main benefits and specs of VRV 5

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Benefits of VRV replacement technology

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Infrastructure cooling
Clear installer benefits why to choose Daikin for infrastructure cooling

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F-gas regulation
Details on the F-gas regulation and how Daikin is prepared for the future HVAC-R market

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L∞P by Daikin
Detailed info on the L∞P by Daikin circular economy program

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Product flyers:

Mini Sky Air Alpha-series
RZAG-A mini Sky Air Alpha-series Main benefits and specs of RZAG-A series

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Low height Sky Air Alpha-series
RZAG-N* Sky Air Alpha-series Main benefits and specs of the low height RZAG-N*

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Low height large Sky Air Advance-series
RZA-D Sky Air Advance-series Main benefits and specs of the low height RZA-D* series

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Madoka
Detailed info on BRC1H* remote control

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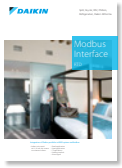

RTD modbus interface
Detailed info on RTD controls and applications

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Product catalogues:

Sky Air Catalogue
Detailed technical information & benefits on Sky Air

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VRV Catalogue
Detailed technical information & benefits of the VRV total solution

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Ventilation Catalogue
Detailed info on Ventilation products

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for your customers

Solutions catalogues:

Commercial Solutions
Daikin offers solutions for commercial applications
100

BREEAM catalogue
Clear building owner/ investor benefits why to choose Daikin for a BREEAM project
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LEED catalogue
Clear building owner/ investor benefits why to choose Daikin for a LEED project
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Hotel Solutions
Clear building owner/investor benefits why to choose Daikin for a hotel
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Reference books:

Success Case study
Vandervalk hotel case
In depth info on the VRV total solution at a Vandervalk hotel
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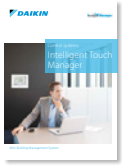
Product profiles:



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Intelligent Tablet Controller
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Daikin Cloud Serivce
Details on the Daikin Cloud connection
542

Focus topics:

Technical documentation:
Download all technical documentation such as engineering data-books, selection software, installation and operation manuals and service manuals directly from our business portal: my.daikin.eu

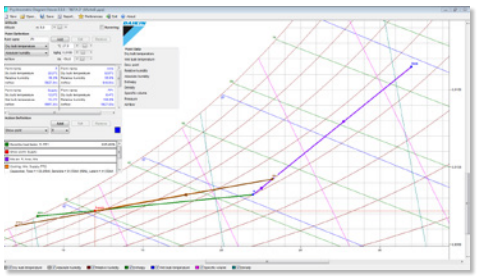
Supporting
tools, software and apps

www.daikineurope.com/support-and-manuals/software-downloads

Software

Ventilation Xpress

Selection tool for ventilation devices (VAM, VKM). The selection is based on given supply/extract airflows (including fresh up and given ESP of supply/extract ducting:
› Determines size of electrical heaters
› Visualisation of psychrometric chart
› Visualisation of selected configuration
› Required field settings mentioned in the report



Rooftop selection software

› Easy selection of the correction unit and options based on location conditions
› Direct availability of technical drawings
› Rooftop.daikin.eu

Webbased ASTRA selection for air handling units

A powerful tool to select the right Air Handling Units for your needs.
› 3D interface
› quick selection procedures
› new print-out possibilities and report shapes

WAGO selection tool

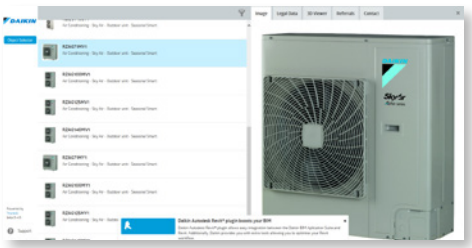
The WAGO Selection Tool is specifically designed to select the optimal WAGO I/O system for your needs.

› Easy selection of WAGO materials
› Material list creation
› Time saving
  • Includes wiring schemes
  • Contains commissioning/preset data for

Plugins and third-party software tools

Building Information Modelling (BIM) support

› BIM improves efficiency of design and build phase
› Daikin is among the first to supply a full library of BIM objects for it's commercial product range

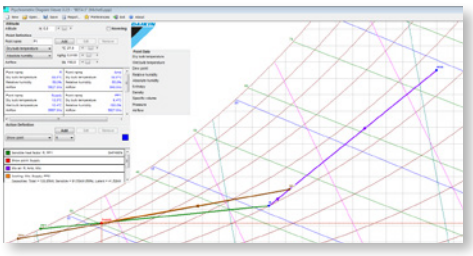


daikin.eu/BIM

Energy simulation and design aid tools

Psychrometrics diagram

› The Psychrometrics Diagram Viewer demonstrates the changing properties of moist air.
› With this tool, users can choose two points with specific conditions, plot them on the diagram and select actions to change the conditions, i.e. heat, cool and mix air.



Service tools

Error code app

Quickly know the meaning of fault codes, for each product family and the potential cause

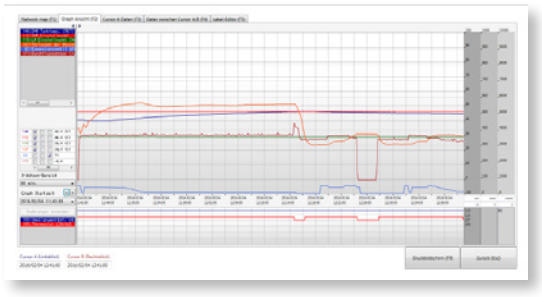
D-Checker

D-checker is a software application used to record and monitor operation data of Daikin applied, split, Multi-split, Sky-air units, Daikin Altherma LT, ground source heat pump, Hybrid, ZEAS, Conveni-pack & R410A Booster unit

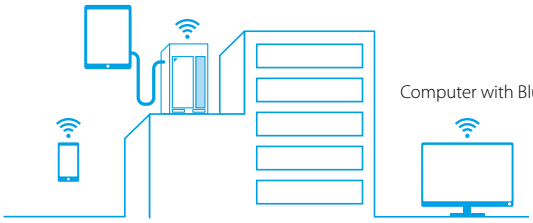
Bluetooth adaptor

Monitoring of Split, Sky Air and VRV data via any bluetooth device

› No need to access the outdoor unit
- Connects with D-Checker software (for laptops)
- Connects with monitoring app (for tablets or smartphones)



Diagnosis of the Bluetooth system possible:



Online support

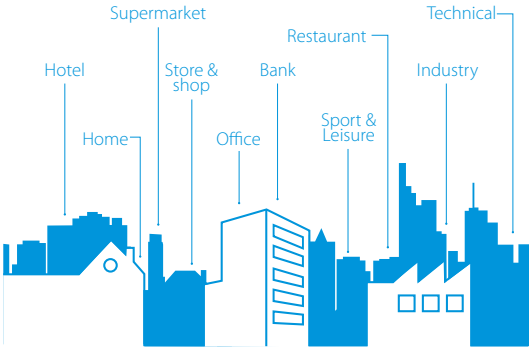
Business portal

› Experience our new extranet that thinks with you at my.daikin.eu
› Find information in seconds via a powerful search
› Customise the options so you see only info relevant for you
› Access via mobile device or desktop

my.daikin.eu

Internet

Find our solution for different applications:



› Get more commercial details on our flagship products via our dedicated minisites

› See our references

daikineurope.com/references

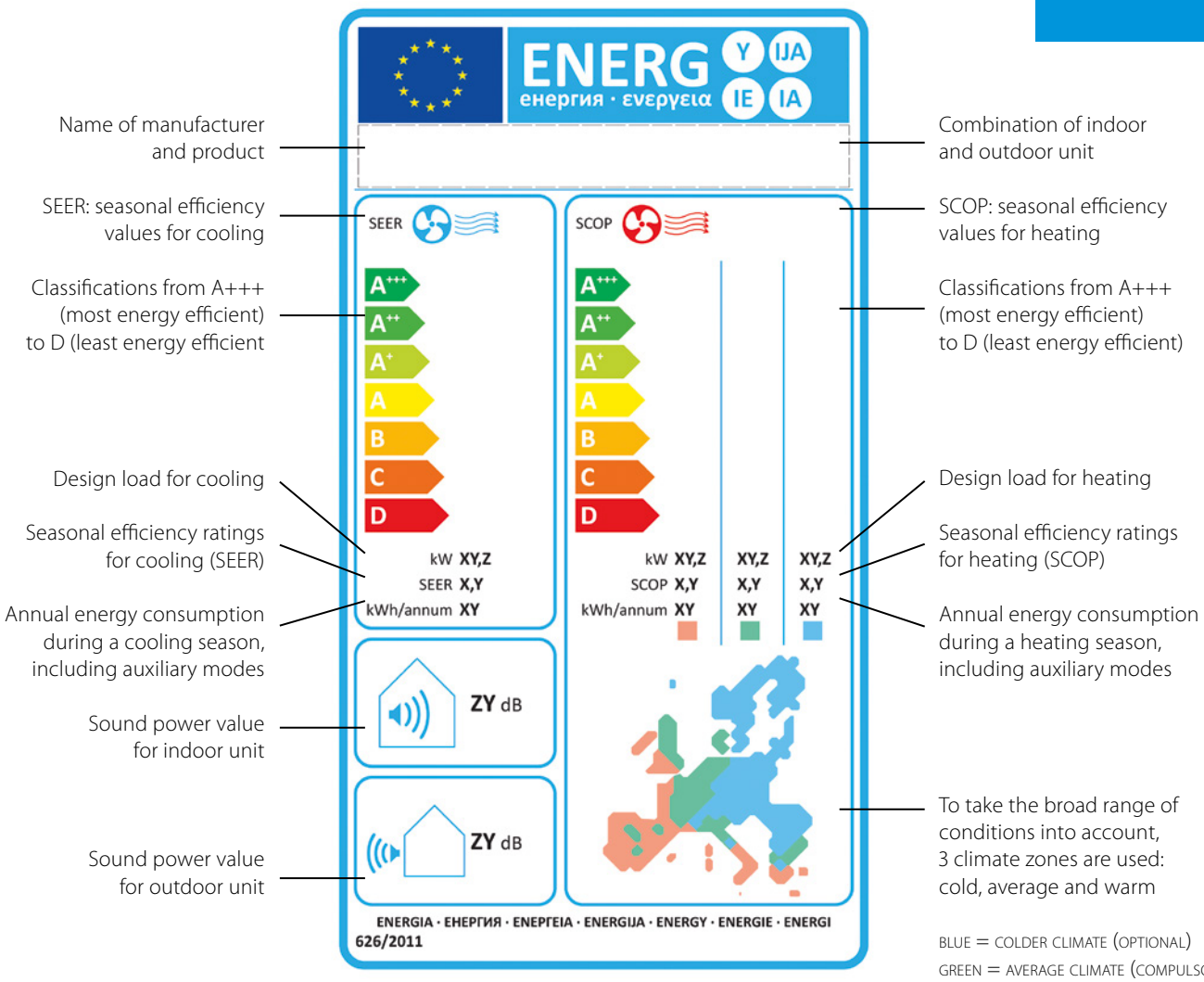
Europe's energy label

To enable consumers to compare and make purchasing decisions based on uniform labelling criteria, Europe has introduced energy labels. The previous European energy label for air conditioners, introduced in 1992, did its job for the time. In 2013, Europe introduced a seasonal energy label. This label allows end users to make even more informed choices, since seasonal efficiency reflects air conditioner efficiency over an entire season.

The energy label includes multiple classifications from A+++ to D, reflected in colour shadings ranging from dark green (most energy efficient) to red (least efficient). Information on the label not only includes the seasonal efficiency ratings for heating (SCOP) and cooling (SEER), but also annual energy consumption and noise levels.

The label more in detail

All energy efficiency classiciations mentionned in this catalogue are within the range A+++ to D



Measuring conditions

Power supply

T1 = 3~, 220V, 50Hz
V1 = 1~, 220-240V, 50Hz
VE = 1~, 220-240V/220V, 50Hz/60Hz*
V3 = 1~, 230V, 50Hz
VM = 1~, 220~240V/220~230V, 50Hz/60Hz
W1 = 3N~, 400V, 50Hz
Y1 = 3~, 400V, 50Hz

* For VE power supply only 1~, 220-240V, 50Hz data is displayed in this catalogue.

Conversion table refrigerant piping

inch	mm
1/4″	6.4 mm
3/8″	9.5 mm
1/2″	12.7 mm
5/8″	15.9 mm
3/4″	19.1 mm
7/8″	22.2 mm
1 1/8″	28.5 mm
1 3/8″	34.9 mm
1 5/8″	41.3 mm
1 3/4″	44.5 mm
2″	50.8 mm
2 1/8″	54 mm
2 5/8″	66.7 mm

F-gas regulation

For fully/partially charged equipment: contains fluorinated greenhouse gases. Actual refrigerant charge depends on the final unit construction, details can be found on the unit labels.
For non pre-charged equipment (Chillers: split chiller (SEHVX/SERHQ), condensing units and condenserless chillers + refrigeration

(LCBKQ-AV1, JEHCCU/JEHSCU and ICU): Its functioning relies on fluorinated greenhouse gases.

Measuring conditions

Air conditioning

1) Nominal cooling capacities are based on:	
Indoor temperature	27°CDB/19°CWB
Outdoor temperature	35°CDB
Refrigerant piping length	7.5m - 8/5m VRV
Level difference	0m
2) Nominal heating capacities are based on:	
Indoor temperature	20°CDB
Outdoor temperature	7°CDB/6°CWB
Refrigerant piping length	7.5m - 8/5m VRV
Level difference	0m

The sound pressure level is measured via a microphone at a certain distance from the unit. It is a relative value, depending on the distance and acoustic environment (for measuring conditions: please refer to the technical databooks).
The sound power level is an absolute value indicating the "power" which a sound source generates.
For more detailed information please consult our technical databooks.

NEW

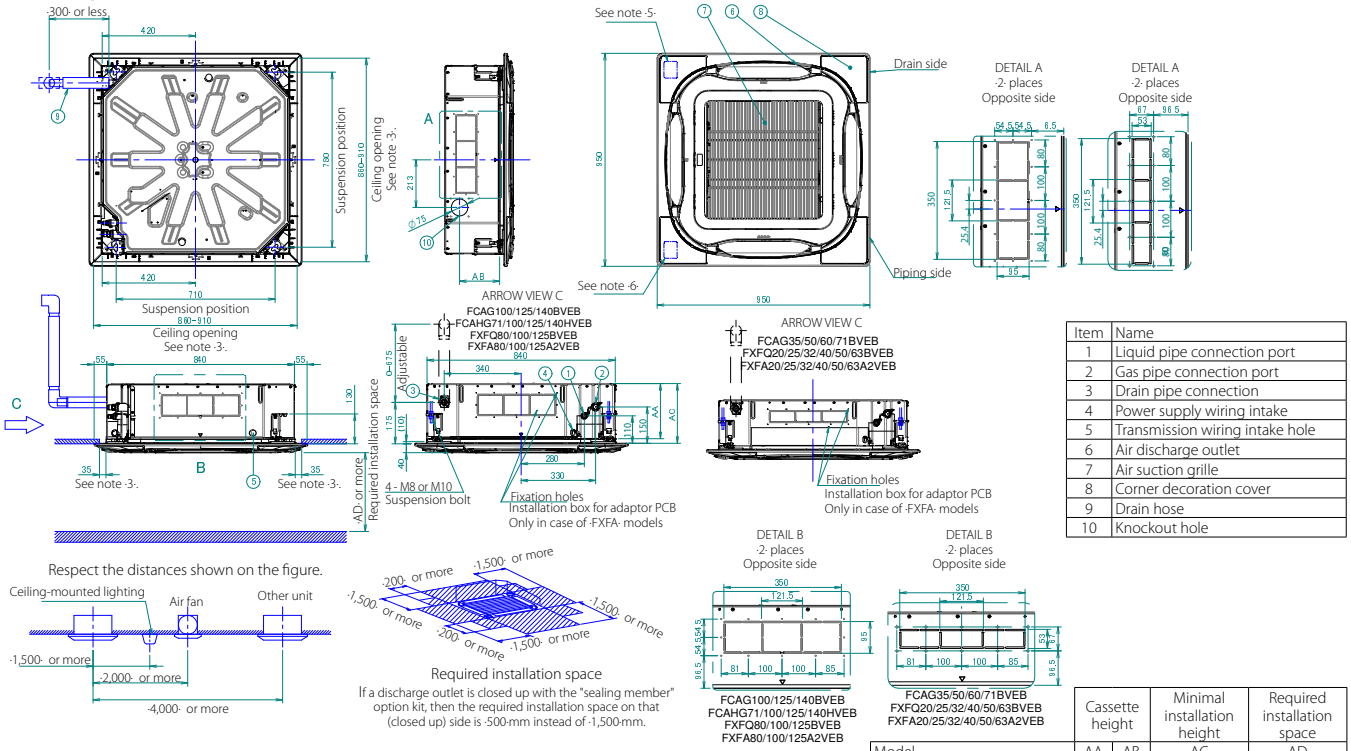
Air flow patterns available for cassette units!

Technical drawings

Technical drawings

Indoor units

FCAG-B / FCAHG-H WITH STANDARD PANEL



Item	Name
1	Liquid pipe connection port
2	Gas pipe connection port
3	Drain pipe connection
4	Power supply wiring intake
5	Transmission wiring intake hole
6	Air discharge outlet
7	Air suction grille
8	Corner decoration cover
9	Drain hose
10	Knockout hole

NOTES

1. Location of nameplate
   The unit nameplate is located on the control box cover.
   The decoration panel nameplate is located on the piping-side panel frame, under the corner cover.
2. When installing optional accessories, refer to their respective documentation.
3. Make sure the distance between the ceiling and the cassette does not exceed 35 mm.
   The maximum ceiling opening is 910 mm.
4. When the conditions in the ceiling exceed 30°C ambient temperature and 80% relative humidity, or when fresh air is inducted into the ceiling, additional insulation is required (polyethylene foam, thickness ≥ 10 mm)
5. When installing a sensor kit, there will be a sensor on this location. For details, see the drawing of the sensor kit.
6. When installing a wireless controller, there will be a receiver on this location. For details, see the drawing of the wireless controller.

Model	Cassette height AA	Cassette height AB	Minimal installation height AC	Required installation space AD
FCAG35/50/60/71BVEB	204	139	227	2,700
FCAG100/125/140BVEB	246	180	269	2,700
FCAHG71/100/125/140HVEB	288	180	311	2,700
FXFQ20/25/32/40/50/63BVEB	204	139	227	2,700
FXFQ80/100BVEB	246	180	269	2,700
FXFQ125BVEB	288	180	311	2,700
FXFA20/25/32/40/50/63A2VEB	204	139	227	2,500
FXFA80/100A2VEB	246	180	269	2,500
FXFA125A2VEB	288	180	311	2,500

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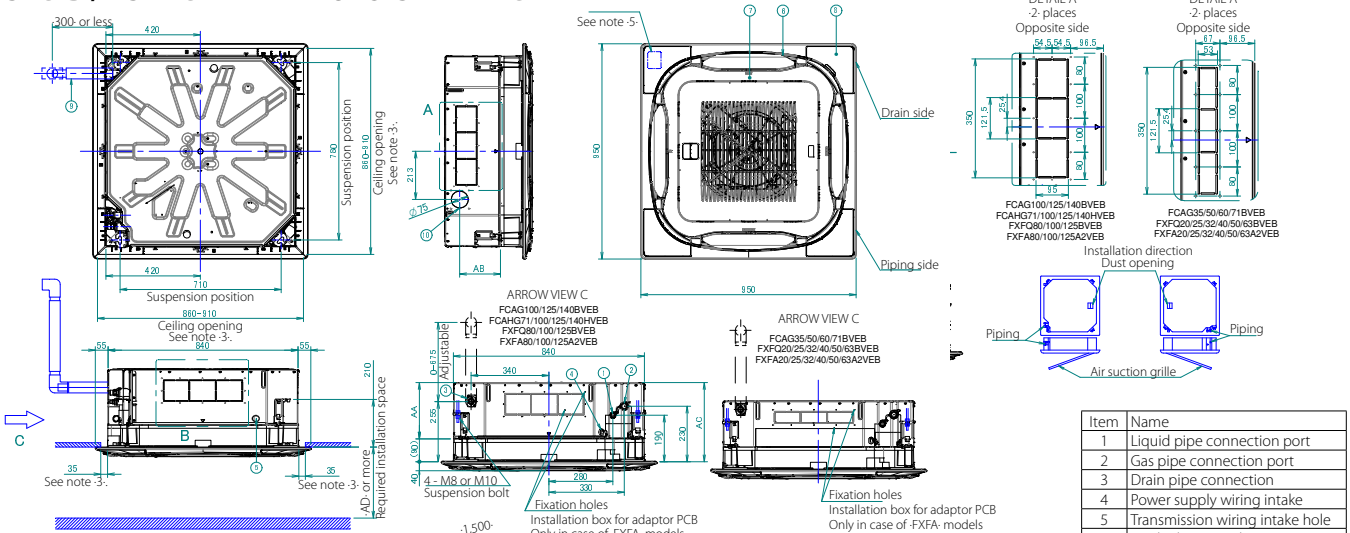
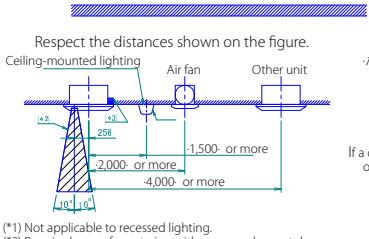
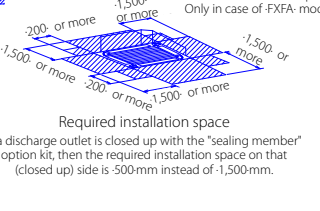
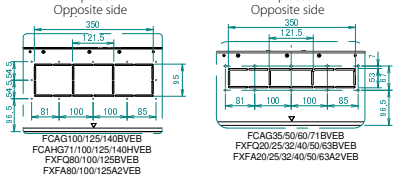
FCAG-B / FCAHG-H WITH AUTO CLEANING PANEL



Item	Name
1	Liquid pipe connection port
2	Gas pipe connection port
3	Drain pipe connection
4	Power supply wiring intake
5	Transmission wiring intake hole
6	Air discharge outlet
7	Air suction grille
8	Corner decoration cover
9	Drain hose
10	Knockout hole







(*1) Not applicable to recessed lighting.
(*2) Required space for entering with vacuum cleaner tube.
(*3) Make sure the decoration panel discharge outlet is not blocked.

NOTES

1. Location of nameplate
   The unit nameplate is located on the control box cover.
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2. When installing optional accessories, refer to their respective documentation.
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5. When installing a sensor kit, there will be a sensor on this location. For details, see the drawing of the sensor kit.

Model	Cassette height AA	Cassette height AB	Minimal installation height AC	Required installation space AD
FCAG35/50/60/71BVEB	204	139	307	2,700
FCAG100/125/140BVEB	246	180	349	2,700
FCAHG71/100/125/140HVEB	288	180	391	2,700
FXFQ20/25/32/40/50/63BVEB	204	139	307	2,700
FXFQ80/100BVEB	246	180	349	2,700
FXFQ125BVEB	288	180	391	2,700
FXFA20/25/32/40/50/63A2VEB	204	139	307	2,500
FXFA80/100A2VEB	246	180	349	2,500
FXFA125A2VEB	288	180	391	2,500

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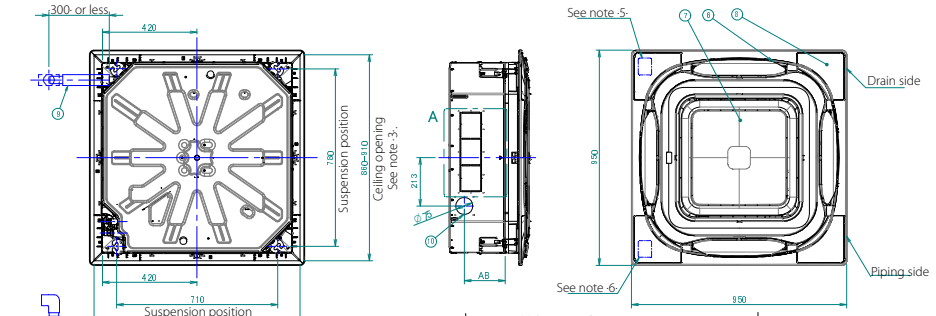
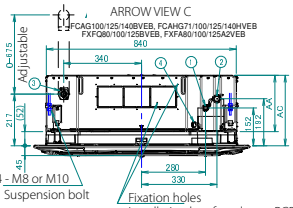
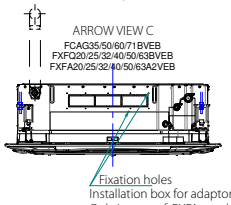
CLICK HERE TO VIEW ALL FCAG-B TECHNICAL DRAWINGS ON MY.DAIKIN.EU

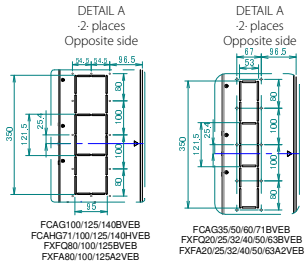
CLICK HERE TO VIEW ALL FCAHG-H TECHNICAL DRAWINGS ON MY.DAIKIN.EU

FCAG-B / FCAHG-H - DESIGNER PANEL

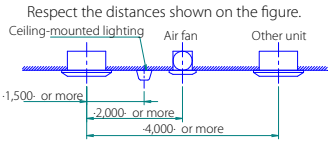


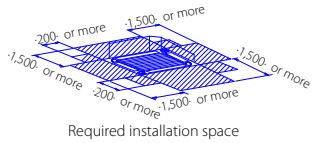






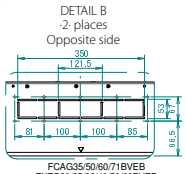
Item	Name
1	Liquid pipe connection port
2	Gas pipe connection port
3	Drain pipe connection
4	Power supply wiring intake
5	Transmission wiring intake hole
6	Air discharge outlet
7	Flat grille assembly
8	Corner decoration cover
9	Drain hose
10	Knockout hole

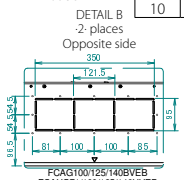




Required installation space

If a discharge outlet is closed up with the "sealing member" option kit, then the required installation space on that (closed up) side is ·500·mm instead of ·1,500·mm.





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FCAG100/125/140BVEB	246	180	311	2,700
FCAHG71/100/125/140HVEB	288	180	353	2,700
FXFQ20/25/32/40/50/63BVEB	204	139	269	2,700
FXFQ80/100BVEB	246	180	311	2,700
FXFQ125BVEB	288	180	353	2,700
FXFA20/25/32/40/50/63A2VEB	204	139	269	2,500
FXFA80/100A2VEB	246	180	311	2,500
FXFA125A2VEB	288	180	353	2,500

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3. Make sure the distance between the ceiling and the cassette does not exceed 35 mm.
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5. When installing a sensor kit, there will be a sensor on this location. For details, see the drawing of the sensor kit.
6. When installing a wireless controller, there will be a receiver on this location. For details, see the drawing of the wireless controller.

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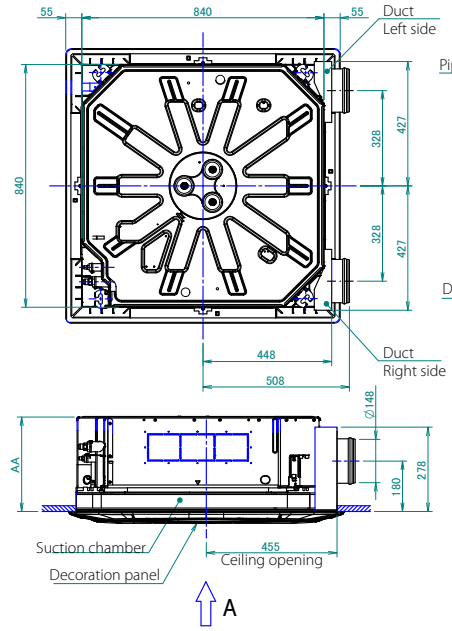
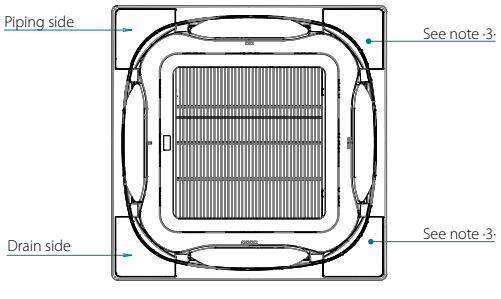
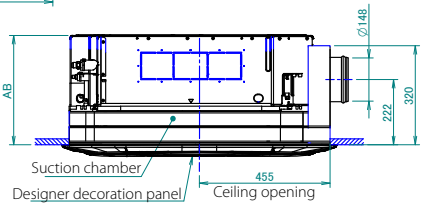
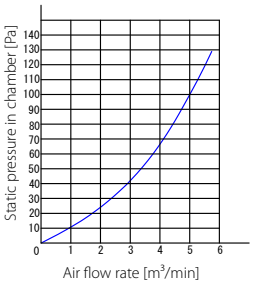
FCAG-B / FCAHG-H - FRESH AIR INTAKE







Model name	Minimal installation height AA	AB
FCAG35/50/60/71BVEB	277	319
FXFQ20/25/32/40/50/63BVEB		
FXFA20/25/32/40/50/63A2VEB		
FCAG100/125/140BVEB	319	361
FXFQ80/100BVEB		
FXFA80/100A2VEB		
FXFN50/71A2VEB		
FCAHG71/100/125/140HVEB	361	403
FXFQ125BVEB		
FXFA125A2VEB		
FXFN112A2VEB		



NOTES

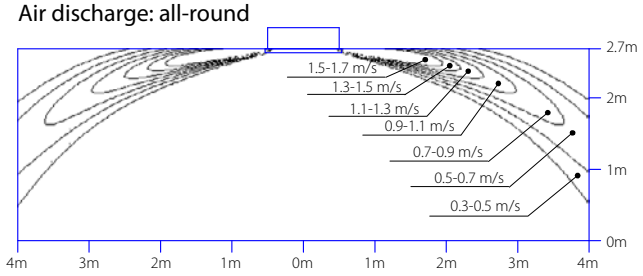
1. When installing a fresh air intake kit, provide a service access panel.
2. Field construction
3. This corner discharge outlet needs to be closed.
4. When installing a duct fan, use a wiring adapter to link the duct fan to the fan of the indoor unit.
5. The intake air flow rate is recommended to be ≤20% of the air flow rate at high fan speed.
   If the intake air flow rate is too large, the operating sound may increase, and the detection of the indoor unit suction temperature may be affected.
6. This indicates the distance between the T-joint inlet and the indoor unit inlet when the T-tube is connected.

3D121741C

FCAG35B

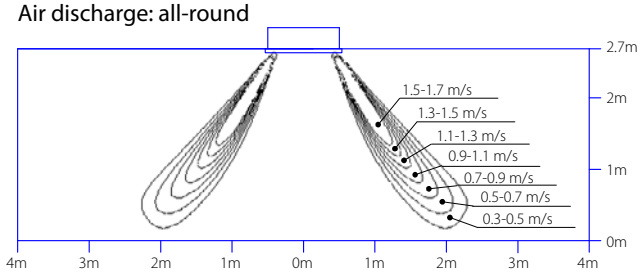
Air velocity distribution (cooling)

Air flow direction: horizontal
Air discharge: all-round



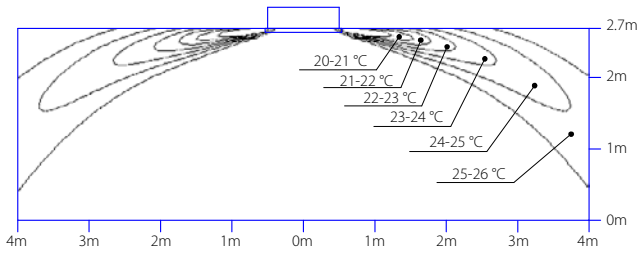
Air velocity distribution (heating)

Air flow direction: vertical
Air discharge: all-round



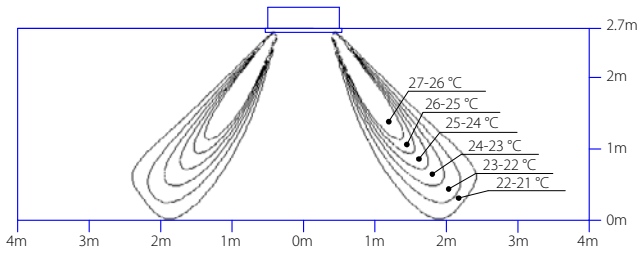
Air temperature distribution (cooling)

Air flow direction: horizontal
Air discharge: all-round



Air temperature distribution (heating)

Air flow direction: vertical
Air discharge: all-round

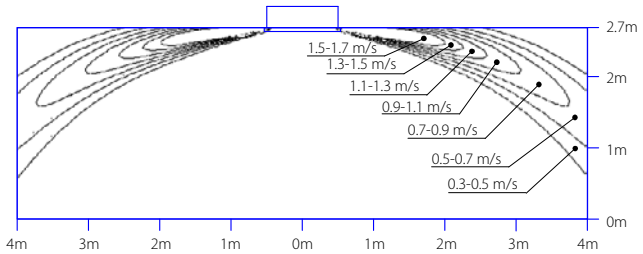


3D121618

FCAG50B

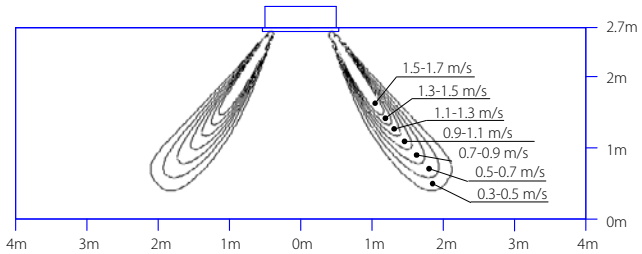
Air velocity distribution (cooling)

Air flow direction: horizontal
Air discharge: all-round



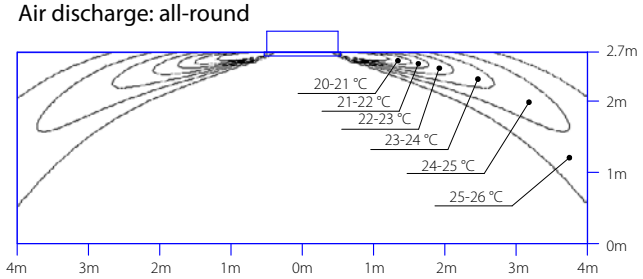
Air velocity distribution (heating)

Air flow direction: vertical
Air discharge: all-round



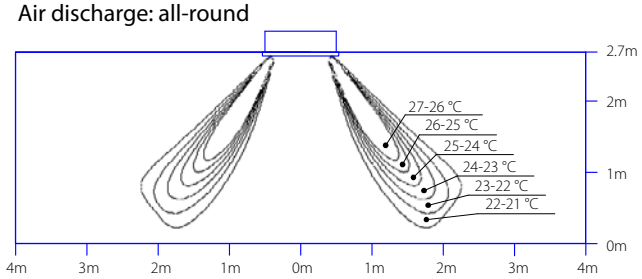
Air temperature distribution (cooling)

Air flow direction: horizontal
Air discharge: all-round



Air temperature distribution (heating)

Air flow direction: vertical
Air discharge: all-round

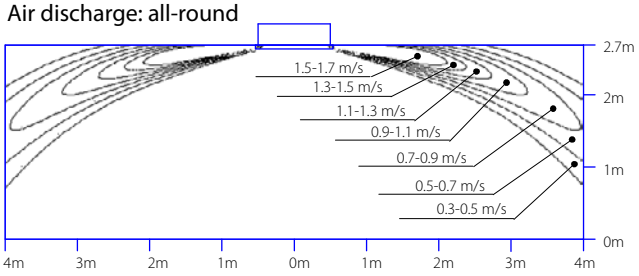


3D121619

FCAG60B

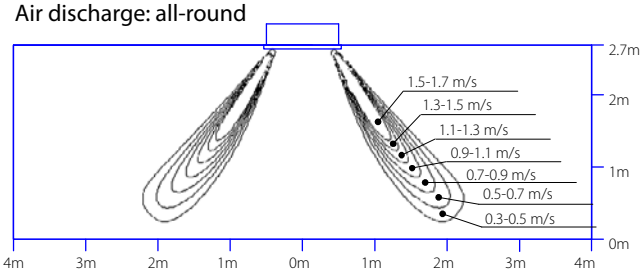
Air velocity distribution (cooling)

Air flow direction: horizontal
Air discharge: all-round



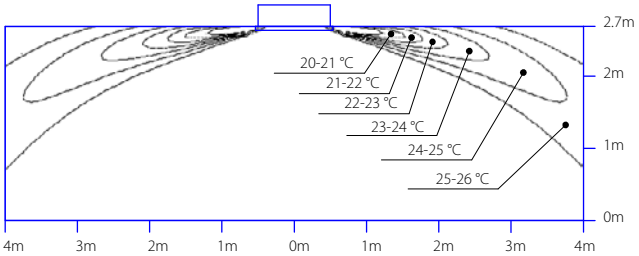
Air velocity distribution (heating)

Air flow direction: vertical
Air discharge: all-round



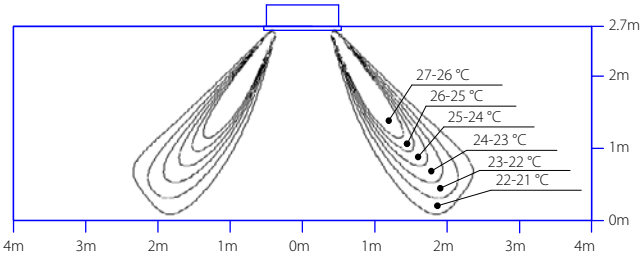
Air temperature distribution (cooling)

Air flow direction: horizontal
Air discharge: all-round



Air temperature distribution (heating)

Air flow direction: vertical
Air discharge: all-round

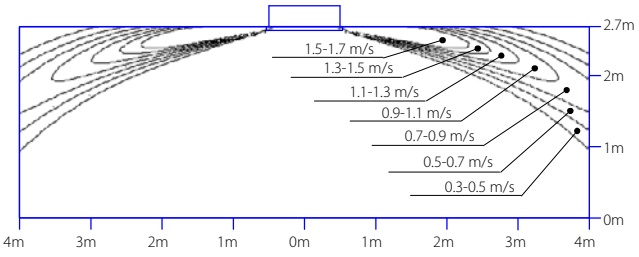


3D121620A

FCAG71B

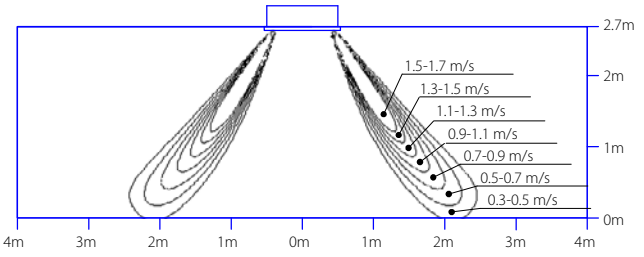
Air velocity distribution (cooling)

Air flow direction: horizontal
Air discharge: all-round



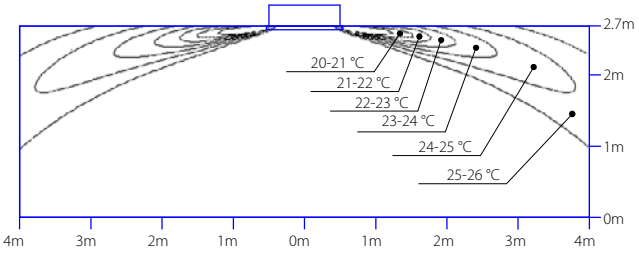
Air velocity distribution (heating)

Air flow direction: vertical
Air discharge: all-round



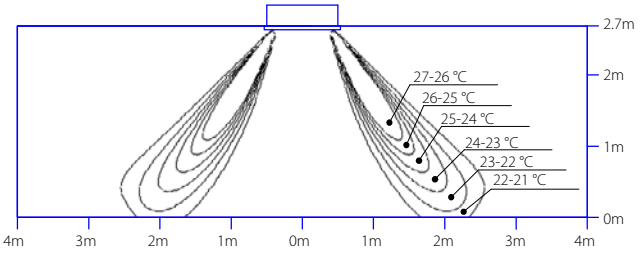
Air temperature distribution (cooling)

Air flow direction: horizontal
Air discharge: all-round



Air temperature distribution (heating)

Air flow direction: vertical
Air discharge: all-round

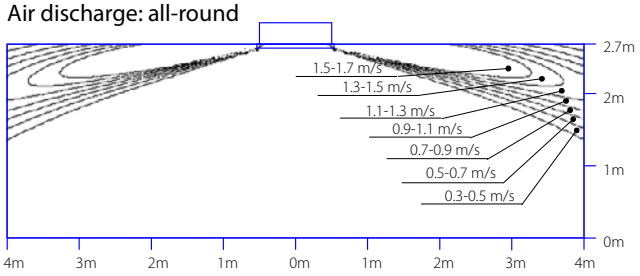


3D121621A

FCAG100B

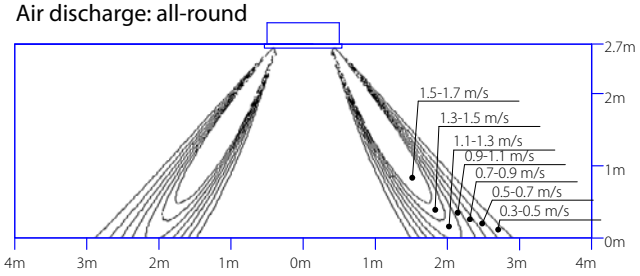
Air velocity distribution (cooling)

Air flow direction: horizontal
Air discharge: all-round



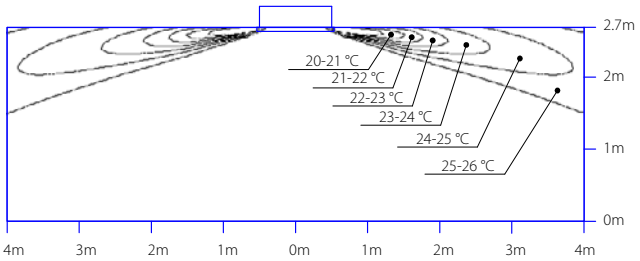
Air velocity distribution (heating)

Air flow direction: vertical
Air discharge: all-round



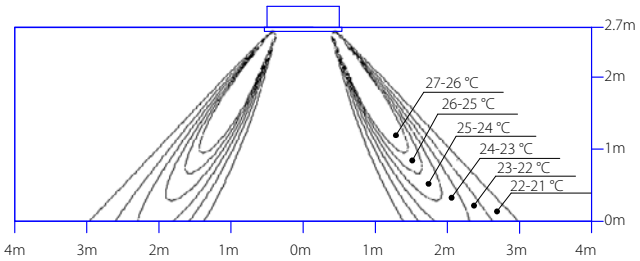
Air temperature distribution (cooling)

Air flow direction: horizontal
Air discharge: all-round



Air temperature distribution (heating)

Air flow direction: vertical
Air discharge: all-round

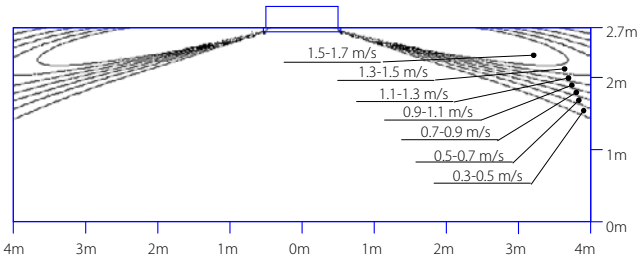


3D121622A

FCAG125-140B

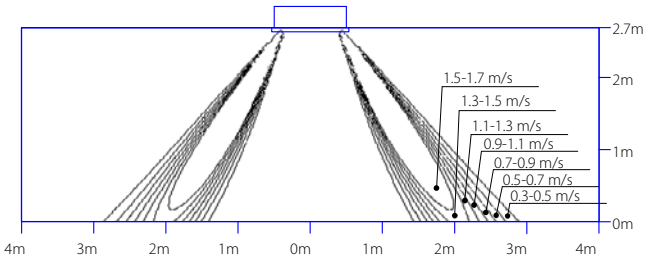
Air velocity distribution (cooling)

Air flow direction: horizontal
Air discharge: all-round



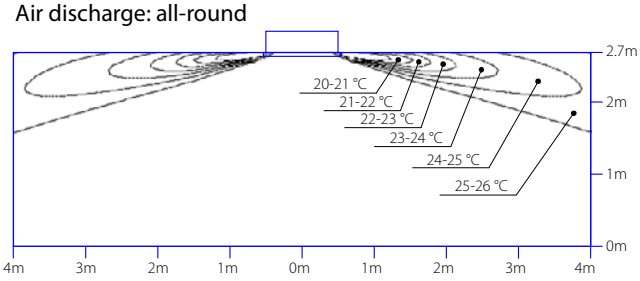
Air velocity distribution (heating)

Air flow direction: vertical
Air discharge: all-round



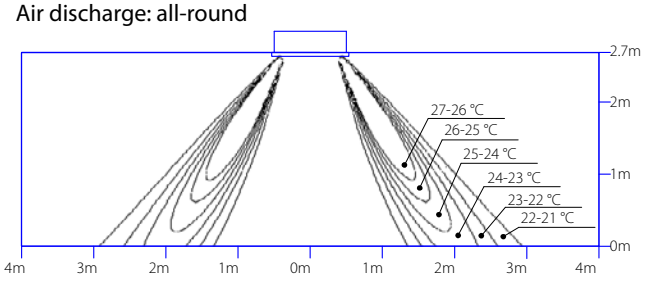
Air temperature distribution (cooling)

Air flow direction: horizontal
Air discharge: all-round



Air temperature distribution (heating)

Air flow direction: vertical
Air discharge: all-round

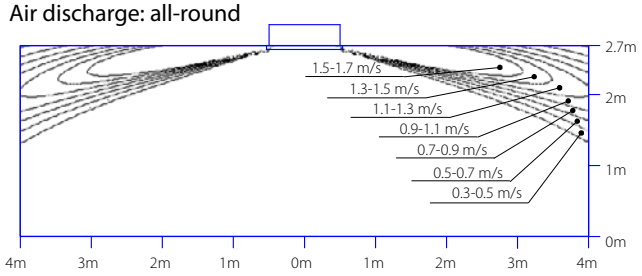


3D121623

FCAHG71H

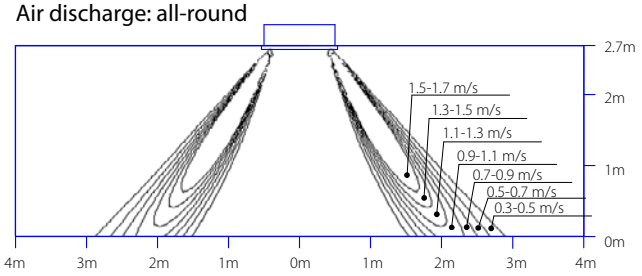
Air velocity distribution (cooling)

Air flow direction: horizontal
Air discharge: all-round



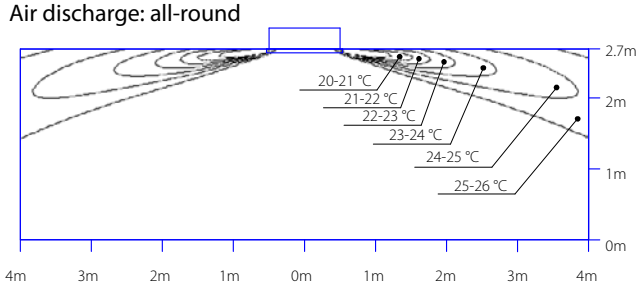
Air velocity distribution (heating)

Air flow direction: vertical
Air discharge: all-round



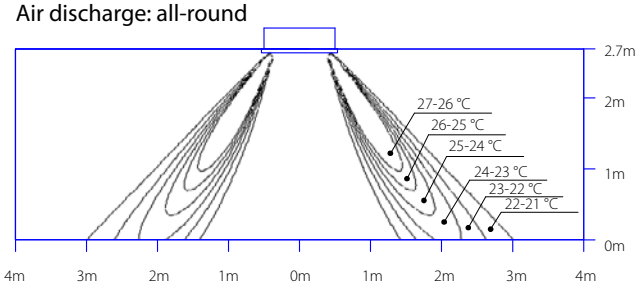
Air temperature distribution (cooling)

Air flow direction: horizontal
Air discharge: all-round



Air temperature distribution (heating)

Air flow direction: vertical
Air discharge: all-round

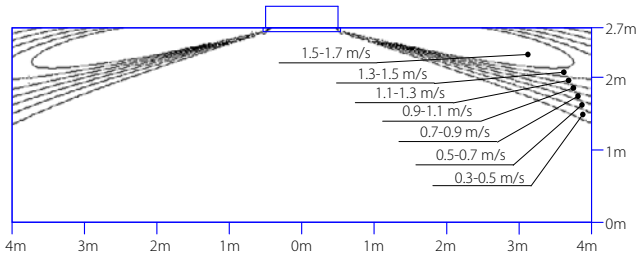


3D121624

FCAHG100H

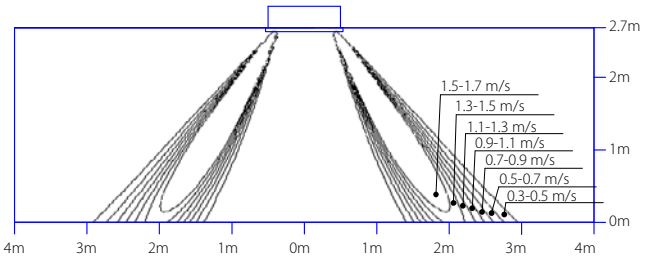
Air velocity distribution (cooling)

Air flow direction: horizontal
Air discharge: all-round



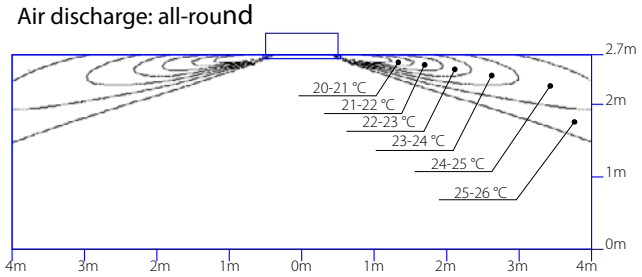
Air velocity distribution (heating)

Air flow direction: vertical
Air discharge: all-round



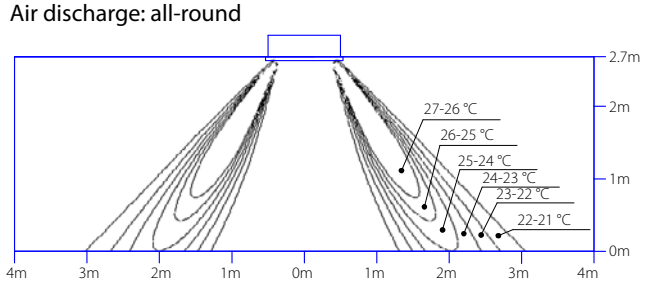
Air temperature distribution (cooling)

Air flow direction: horizontal
Air discharge: all-round



Air temperature distribution (heating)

Air flow direction: vertical
Air discharge: all-round

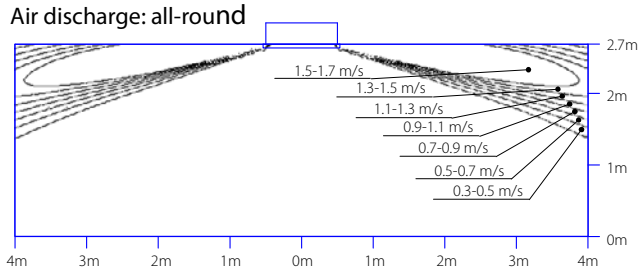


3D121625

FCAHG125-140H

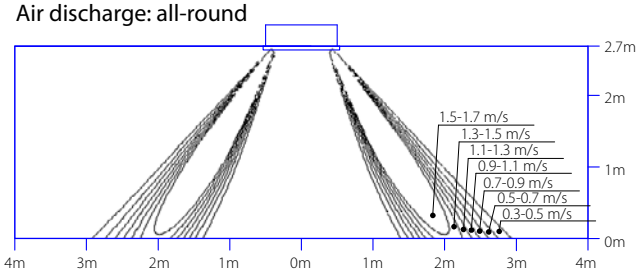
Air velocity distribution (cooling)

Air flow direction: horizontal
Air discharge: all-round



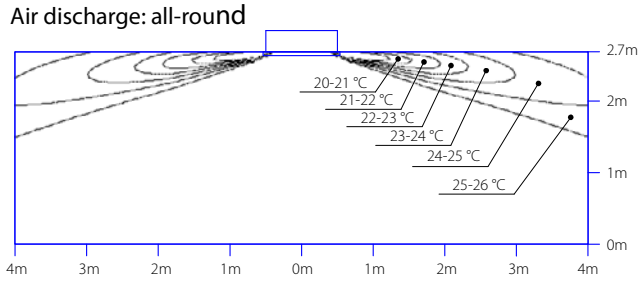
Air velocity distribution (heating)

Air flow direction: vertical
Air discharge: all-round



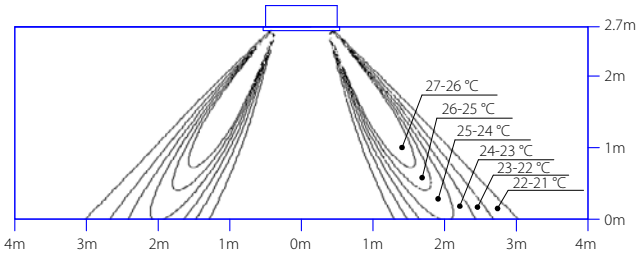
Air temperature distribution (cooling)

Air flow direction: horizontal
Air discharge: all-round



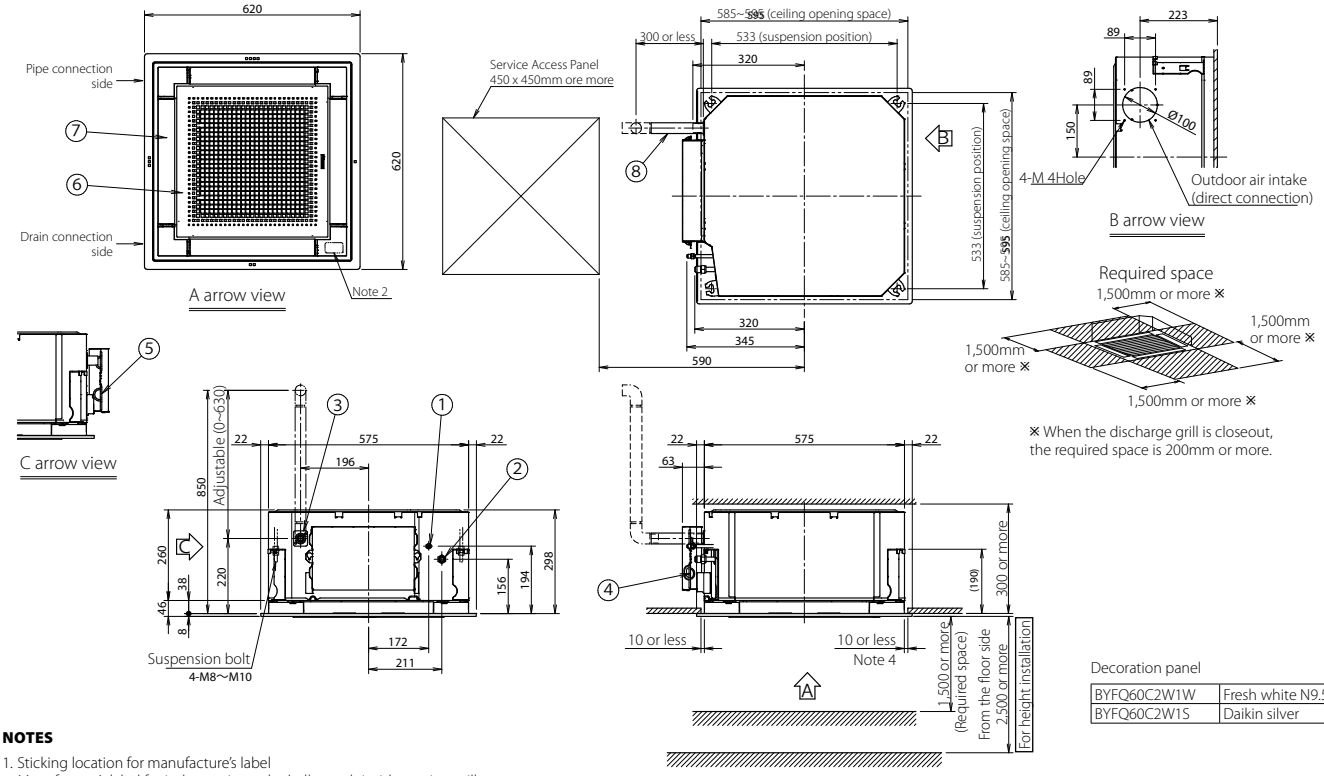
Air temperature distribution (heating)

Air flow direction: vertical
Air discharge: all-round



3D121626

FFA25-35A9 - FULLY FLAT PANEL



Decoration panel

BYFQ60C2W1W	Fresh white N9.5
BYFQ60C2W1S	Daikin silver

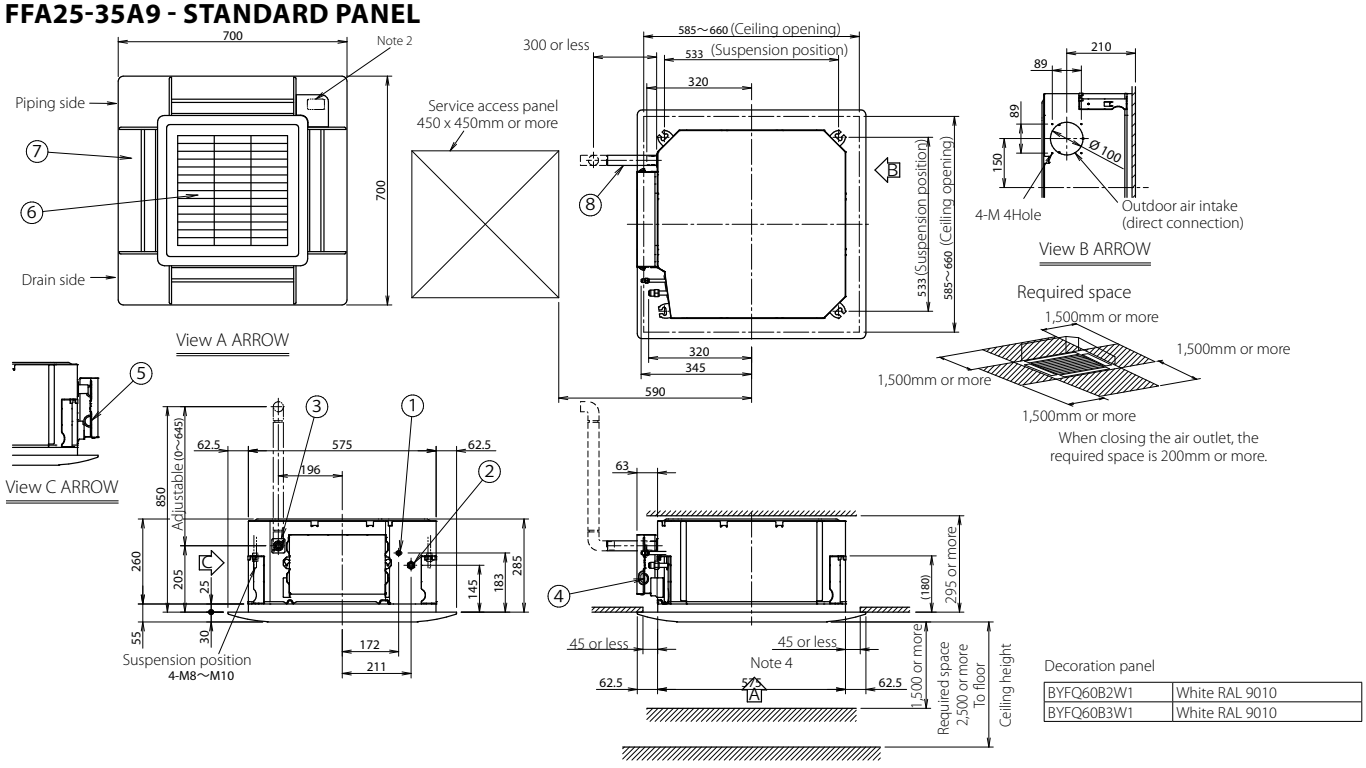
NOTES

1. Sticking location for manufacture's label
   Manufacture's label for indoor unit: on the bell mouth inside suction grille
   Manufacture's label for decoration panel: on the inner frame inside suction grille
2. In case of using wireless remote controller, this position will be a signal receiver. Refer to the drawing of wireless remote controller in detail.
3. When the temperature and humidity in the ceiling exceed 30°C and RH 80% or the fresh air is inducted into the ceiling or the unit continues 24 hour operation, an additional insulation (thickness 10mm or more of glasswool or polyethylene form) is required.
4. Though the installation is acceptable up to maximum of 595mm square ceiling opening, keep the clearance of 10mm or less between the main unit and the ceiling opening so that the panel overlap allowance can be ensured.

Item	Part name	Remark
1	Liquid pipe connection	ø6.4 (flare connection)
2	Gas pipe connection	ø9.5 (flare connection)
3	Drain pipe connection	VP20(O.D. ø26)
4	Power supply connection	
5	Remote control code and control wiring connection	
6	Air discharge outlet	
7	Suction grill	
8	Drain hose (accessory)	I.D. ø25 (outlet)

3D082433

FFA25-35A9 - STANDARD PANEL



Decoration panel

BYFQ60B2W1	White RAL 9010
BYFQ60B3W1	White RAL 9010

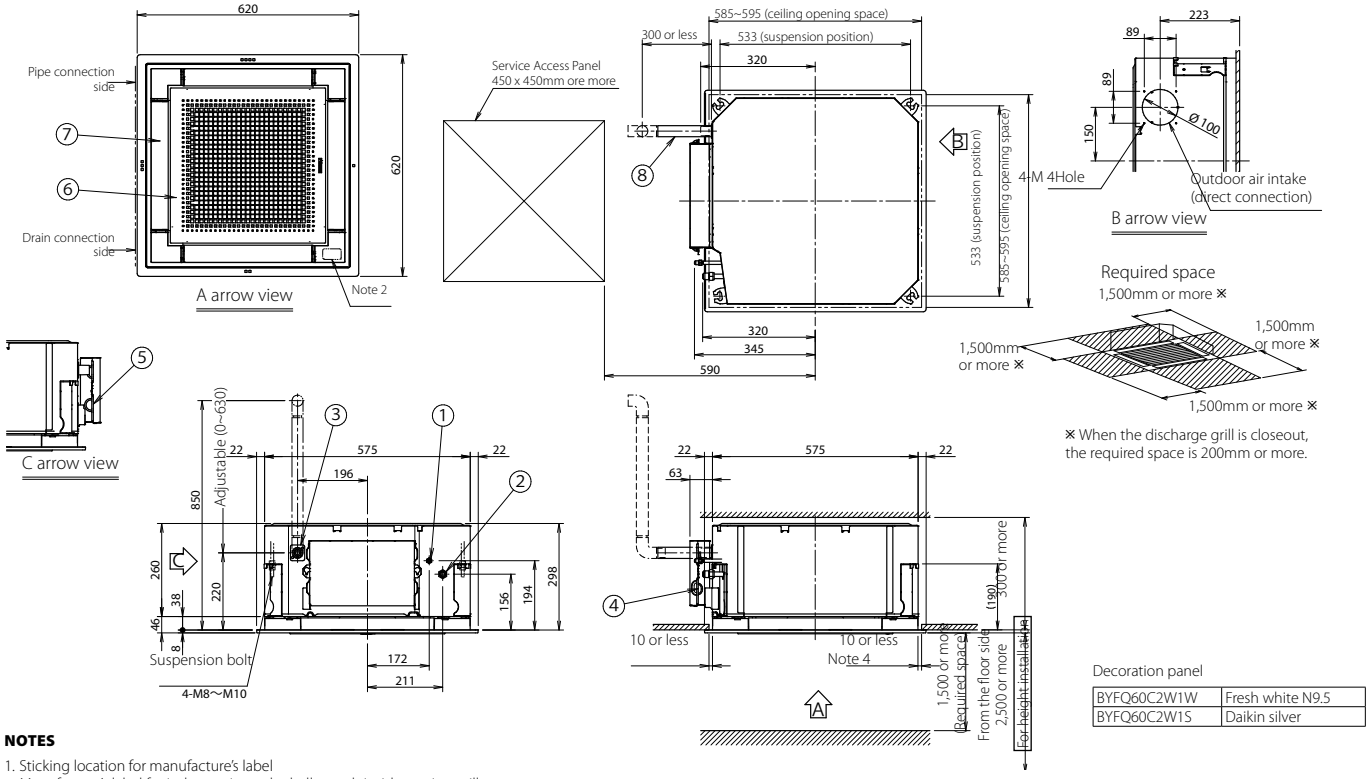
NOTES

1. Location of nameplate
   The indoor unit nameplate is located on the bell mouth inside the suction grille.
   The decoration panel nameplate is located on the inner frame inside the suction grille.
2. When installing a wireless controller, there will be a receiver on this location. For details, see the drawing of the wireless controller.
3. If any of the following conditions are met, additional insulation (glass wool or polyethylene foam, thickness ≥·10·mm) is required:
   Ambient conditions in the ceiling ≥ ·30·°C and ·80·% relative humidity.
   Fresh air is inducted into the ceiling.
   The unit operates continuously.
4. Though the installation is acceptable up to maximum 660mm square ceiling opening, keep the clearance of 45mm or less between the indoor unit and the ceiling opening, so that the panel overlap allowance can be ensured.

Item	Part name	Remark
1	Liquid pipe connection	ø 6.4 Flare connection
2	Gas pipe connection	ø 9.5 Flare connection
3	Drain pipe connection	VP20 (O.D. ø26)
4	Power supply	
5	Remote control wiring intake	
6	Air discharge grille	
7	Air suction grille	
8	Drain hose Accessory	I.D. ø25 Outlet

3D082434C

FFA50-60A9 - FULLY FLAT PANEL



Decoration panel

BYFQ60C2W1W	Fresh white N9.5
BYFQ60C2W1S	Daikin silver

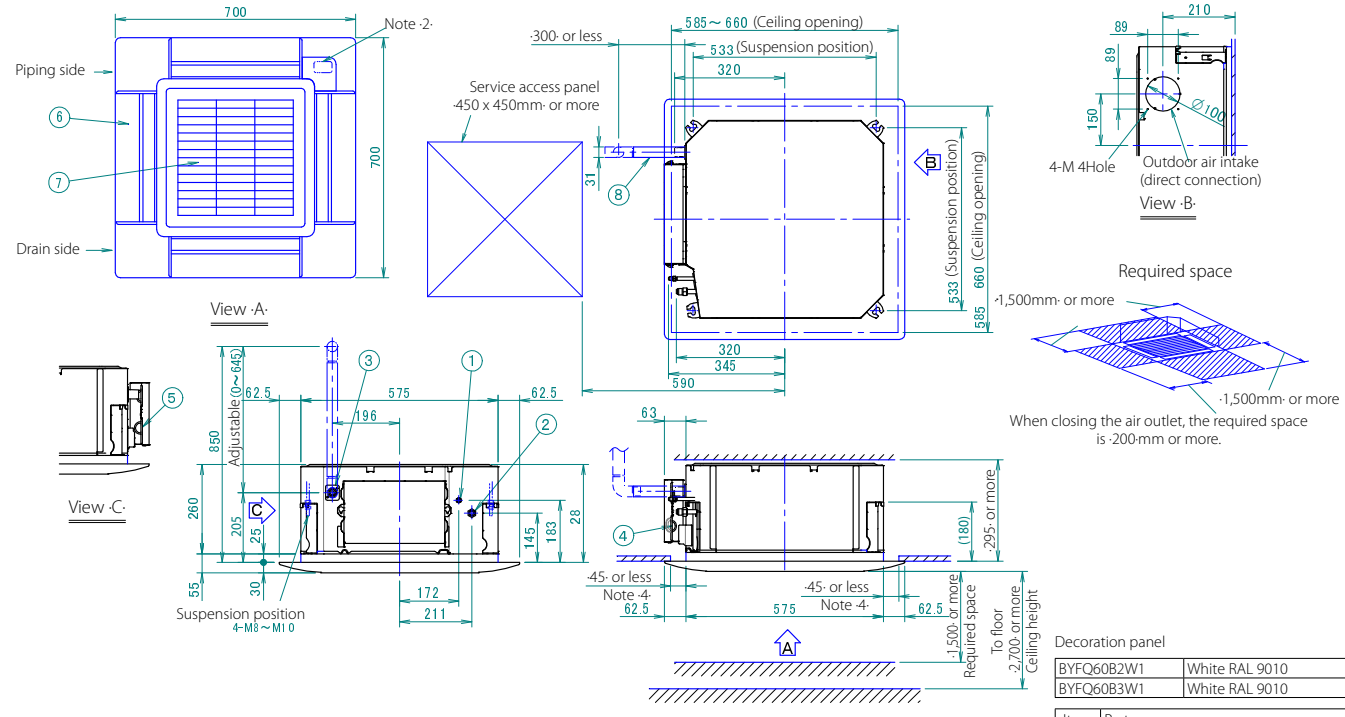
NOTES

1. Sticking location for manufacture's label
   Manufacture's label for indoor unit: on the bell mouth inside suction grille
   Manufacture's label for decoration panel: on the inner frame inside suction grille
2. In case of using wireless remote controller, this position will be a signal receiver. Refer to the drawing of wireless remote controller in detail.
3. When the temperature and humidity in the ceiling exceed 30°C and RH 80% or the fresh air is inducted into the ceiling or the unit continues 24 hour operation, an additional insulation (thickness 10mm or more of glasswool or polyethylene form) is required.
4. Though the installation is acceptable up to maximum of 595mm square ceiling opening, keep the clearance of 10mm or less between the main unit and the ceiling opening so that the panel overlap allowance can be ensured.

Item	Part name	Remark
1	Liquid pipe connection	ø6.4 (flare connection)
2	Gas pipe connection	ø12.7 (flare connection)
3	Drain pipe connection	VP20(O.D. ø26)
4	Power supply connection	
5	Remote control code and control wiring connection	
6	Air discharge outlet	
7	Suction grill	
8	Drain hose (accessory)	I.D. ø25 (outlet)

3D082052

FFA50-60A9 - STANDARD PANEL



Decoration panel

BYFQ60B2W1	White RAL 9010
BYFQ60B3W1	White RAL 9010

Item	Part name
1	Liquid pipe connection ·Ø 6.4·
2	Gas pipe connection ·Ø 12.7·
3	Drain outlet ·VP20· Outer: ·Ø26·
4	Power supply
5	Remote control wiring intake
6	Air discharge grille
7	Air suction grille
8	Drain hose Inner: ·Ø25·

NOTES

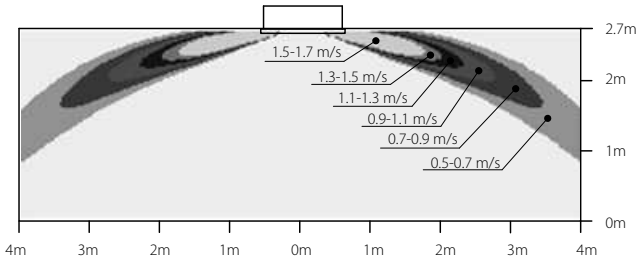
1. Location of nameplate
   The indoor unit nameplate is located on the bell mouth inside the suction grille.
   The decoration panel nameplate is located on the inner frame inside the suction grille.
2. When installing a wireless controller, there will be a receiver on this location. For details, see the drawing of the wireless controller.
3. If any of the following conditions are met, additional insulation (glass wool or polyethylene foam, thickness ≥·10·mm) is required:
   Ambient conditions in the ceiling ≥ ·30·°C and ·80·% relative humidity.
   Fresh air is inducted into the ceiling.
   The unit operates continuously.
4. Though the installation is acceptable up to maximum ·660·mm square ceiling opening, keep the clearance of ·45·mm or less between the indoor unit and the ceiling opening, so that the panel overlap allowance can be ensured.

3D082161D

FFA25A9

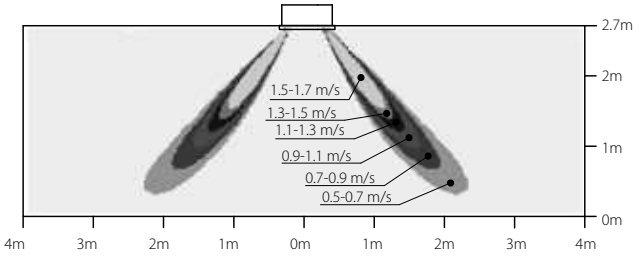
Air velocity distribution (cooling)

Air flow direction: horizontal
Air discharge: all-round



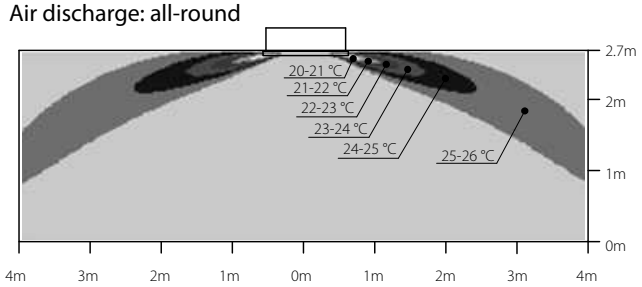
Air velocity distribution (heating)

Air flow direction: vertical
Air discharge: all-round



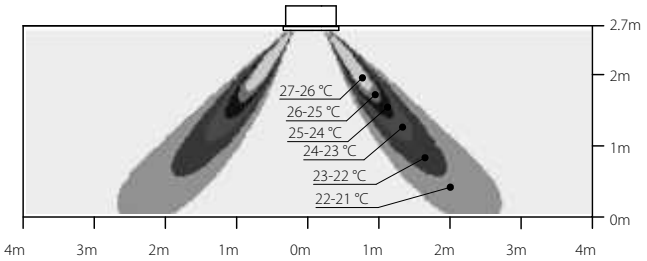
Air temperature distribution (cooling)

Air flow direction: horizontal
Air discharge: all-round



Air temperature distribution (heating)

Air flow direction: vertical
Air discharge: all-round

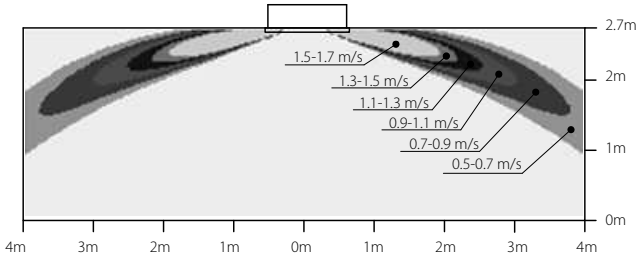


4D083819A **4D083829A**

FFA35A9

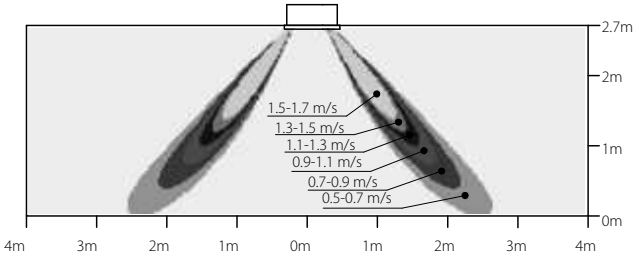
Air velocity distribution (cooling)

Air flow direction: horizontal
Air discharge: all-round



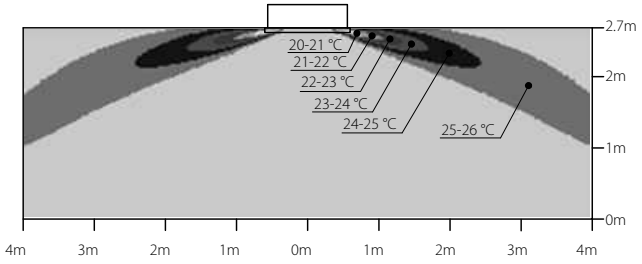
Air velocity distribution (heating)

Air flow direction: vertical
Air discharge: all-round



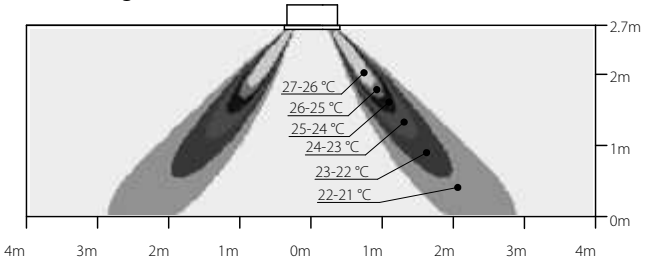
Air temperature distribution (cooling)

Air flow direction: horizontal
Air discharge: all-round



Air temperature distribution (heating)

Air flow direction: vertical
Air discharge: all-round

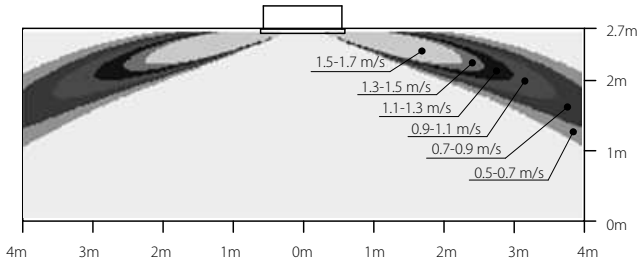


4D083820A **4D083830A**

FFA50A9

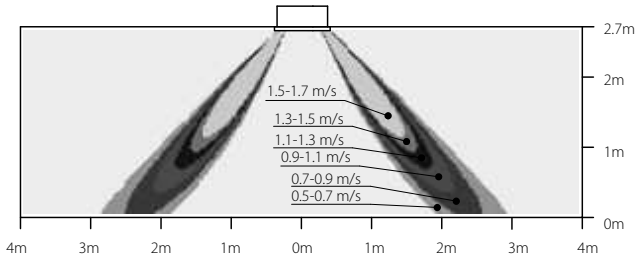
Air velocity distribution (cooling)

Air flow direction: horizontal
Air discharge: all-round



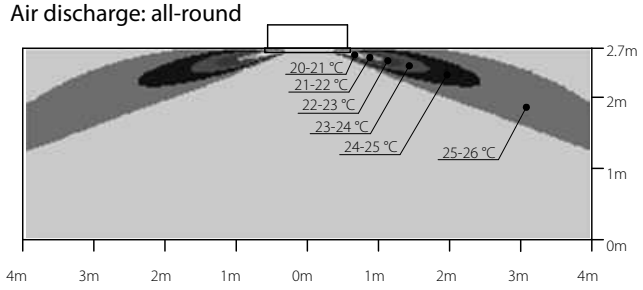
Air velocity distribution (heating)

Air flow direction: vertical
Air discharge: all-round



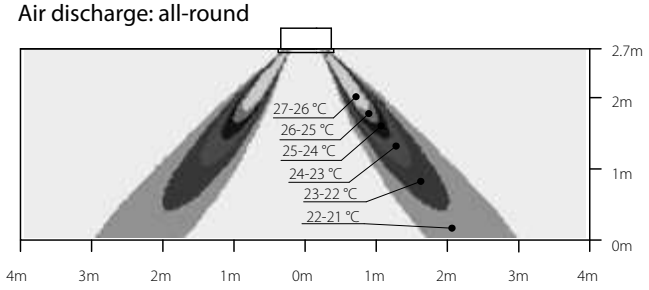
Air temperature distribution (cooling)

Air flow direction: horizontal
Air discharge: all-round



Air temperature distribution (heating)

Air flow direction: vertical
Air discharge: all-round

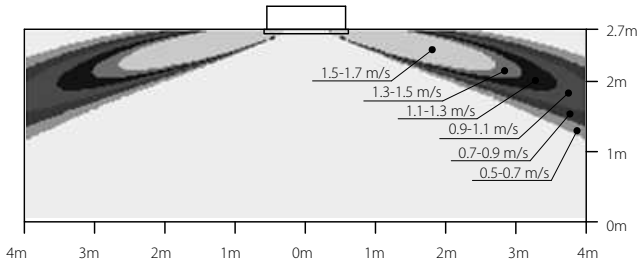


4D083821A **4D083831A**

FFA60A9

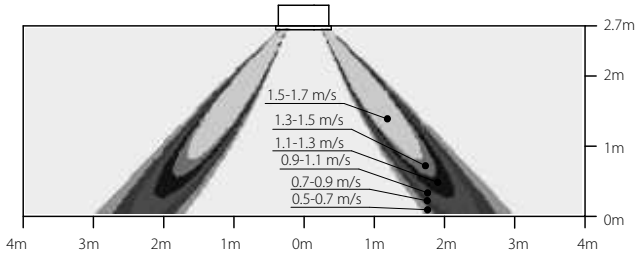
Air velocity distribution (cooling)

Air flow direction: horizontal
Air discharge: all-round



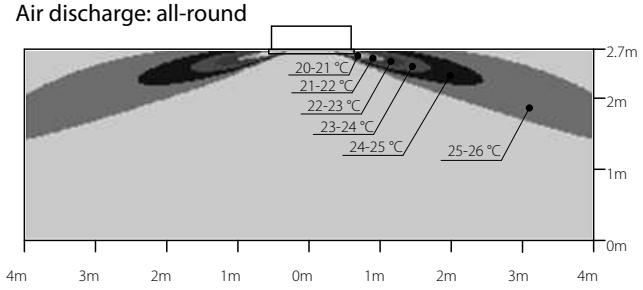
Air velocity distribution (heating)

Air flow direction: vertical
Air discharge: all-round



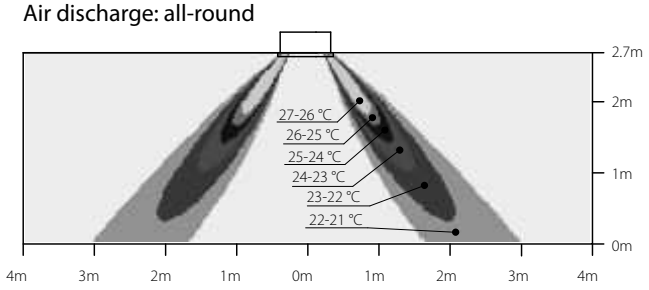
Air temperature distribution (cooling)

Air flow direction: horizontal
Air discharge: all-round



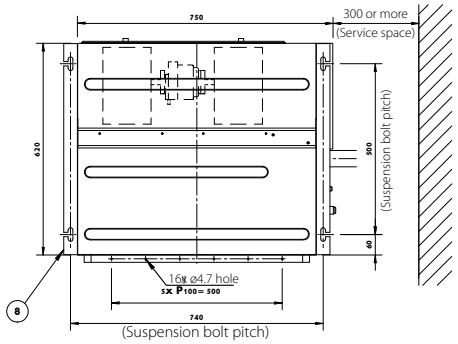
Air temperature distribution (heating)

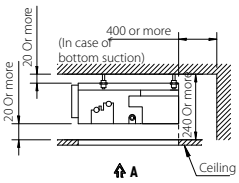
Air flow direction: vertical
Air discharge: all-round



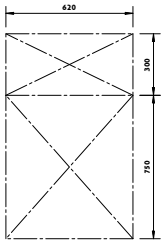
4D083822A **4D083832A**

FDXM25-35F9





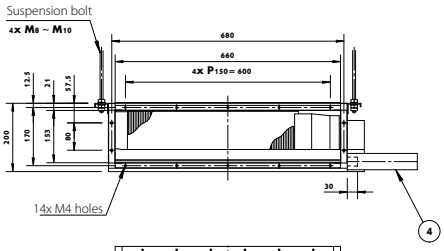
Service space

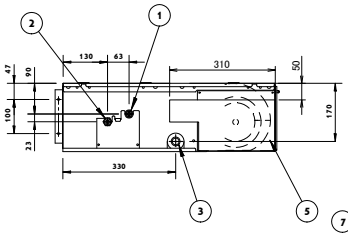


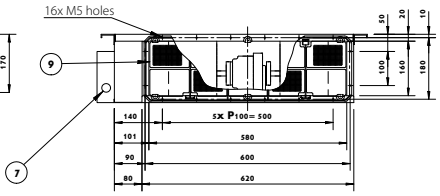
View A
Inspection door
(ceiling opening)

NOTES

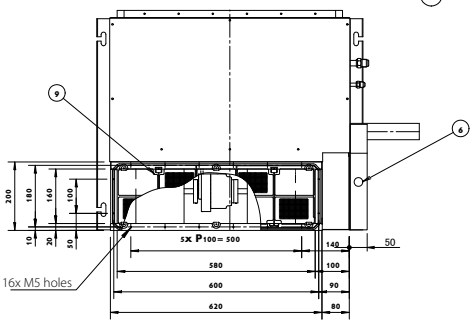
1. In case of back suction, mount chamber cover to bottom side of the unit.
   In case of bottom suction, mount chamber cover to back side of the unit.
2. Location of unit name plate: control box cover.
3. Mount the air filter at the suction side. (Use an air filter whose dust collecting efficiency is at least 50% in a gravimetric technique).
   It can not be equipped with air filter (accessory) when connecting duct to suction side.







In case of bottom suction

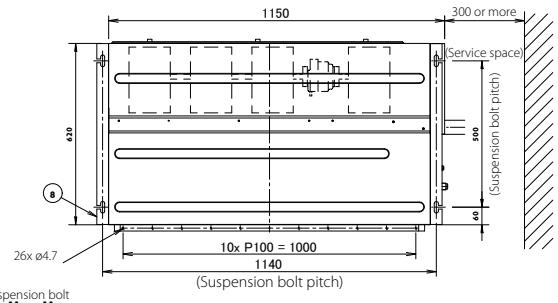


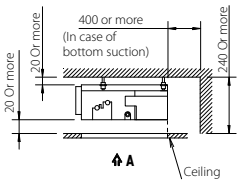
In case of bottom suction

Item	Name	Description
1	Liquid pipe connection	ø6.4 (flare connection)
2	Gas pipe connection	ø9.5 (flare connection)
3	Socket for drain	VP20 (O.D. ø26, I.D. ø20)
4	Drain hose (accessory)	I.D. ø25 (outlet)
5	Control box	
6	Transmission wiring	
7	Power supply connection	
8	Suspension bracket	
9	Air filter (accessory)	

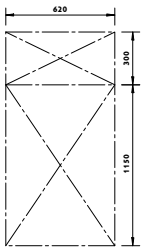
3D081343

FDXM50-60F9

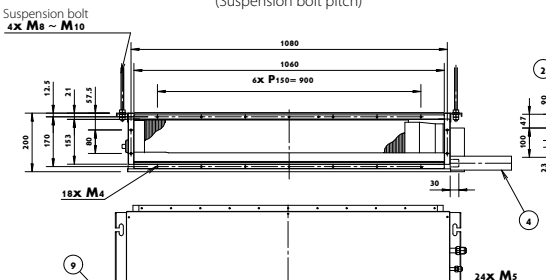


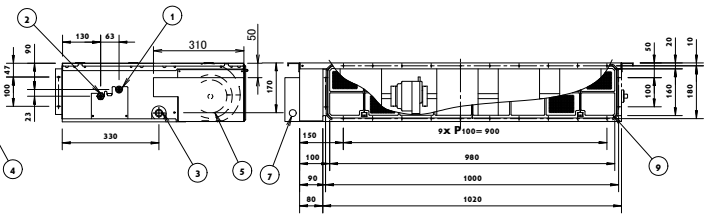


Service space

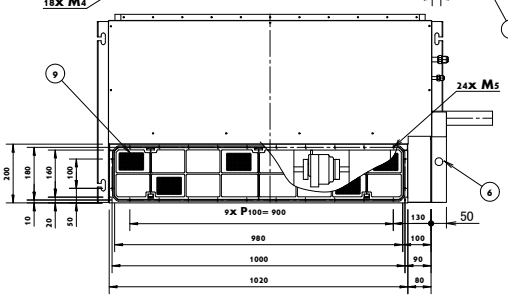


View A
Inspection door
(ceiling opening)





In case of bottom suction



In case of bottom suction

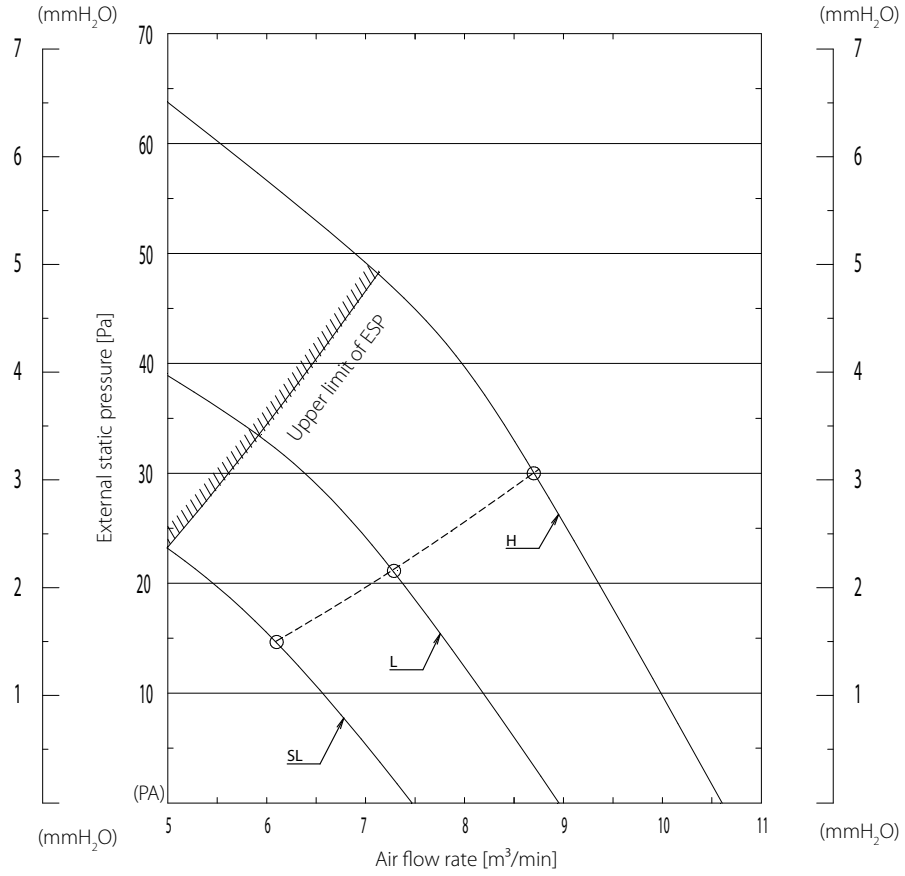
Item	Name	Description
1	Liquid pipe connection	ø6.4 (flare connection)
2	Gas pipe connection	ø12.7 (flare connection)
3	Socket for drain	VP20 (O.D. ø26, I.D. ø20)
4	Drain hose (accessory)	I.D. ø25 (outlet)
5	Control box	
6	Transmission wiring	
7	Power supply connection	
8	Suspension bracket	
9	Air filter (accessory)	

NOTES

1. In case of back suction, mount chamber cover to bottom side of the unit.
   In case of bottom suction, mount chamber cover to back side of the unit.
2. Location of unit name plate: control box cover.
3. Mount the air filter at the suction side. (Use an air filter whose dust collecting efficiency is at least 50% in a gravimetric technique).
   It can not be equipped with air filter (accessory) when connecting duct to suction side.

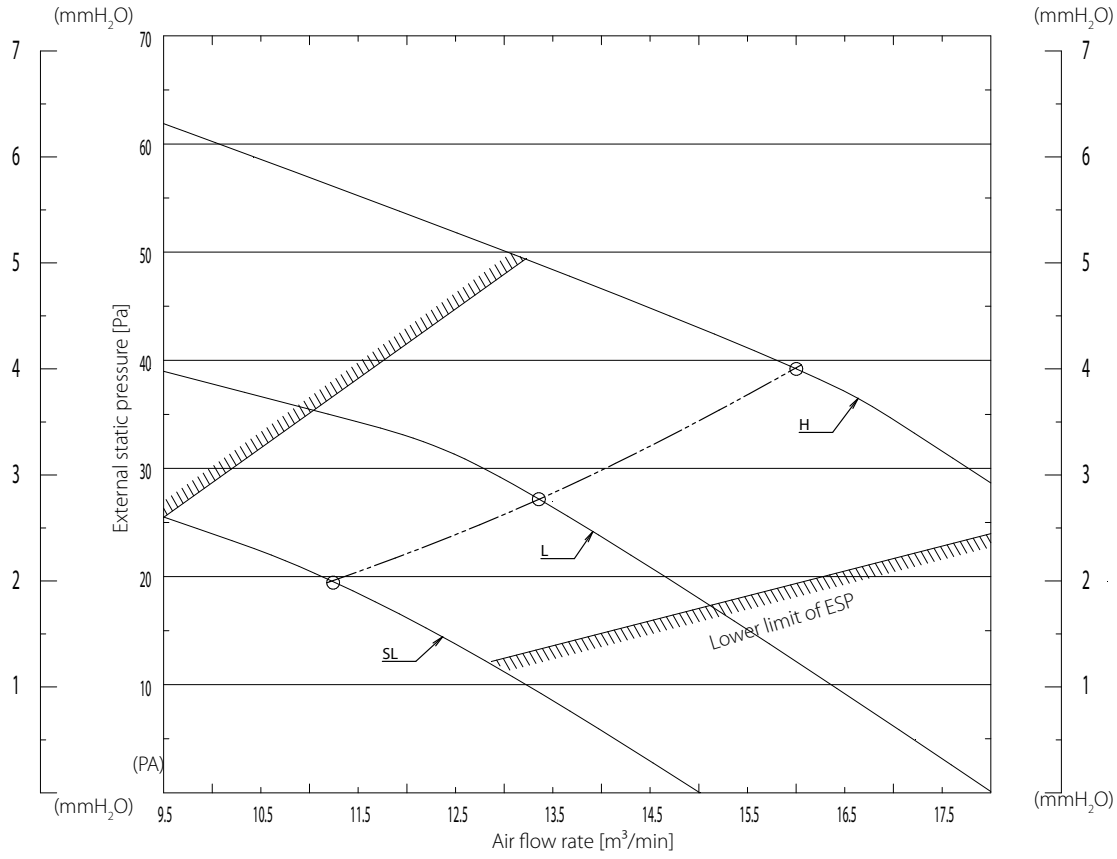
3D081360

FDXM25-35F9



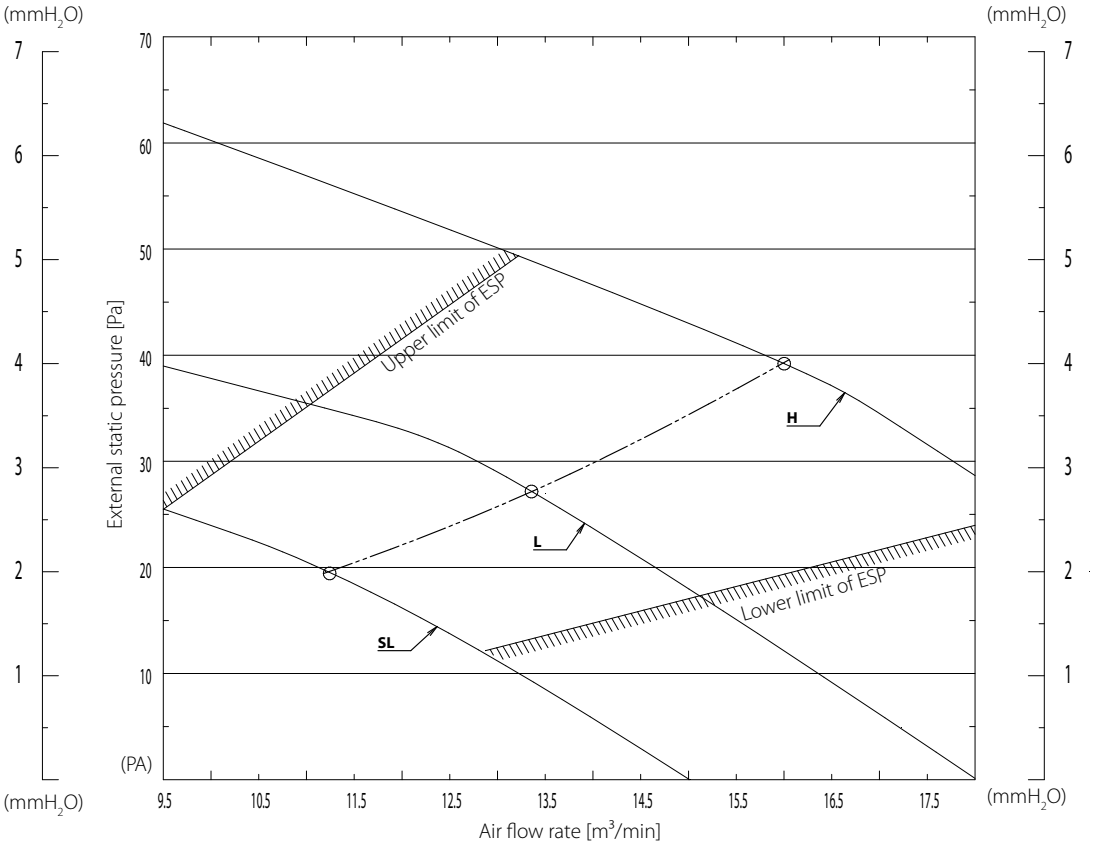
3D081327C

FDXM50F9



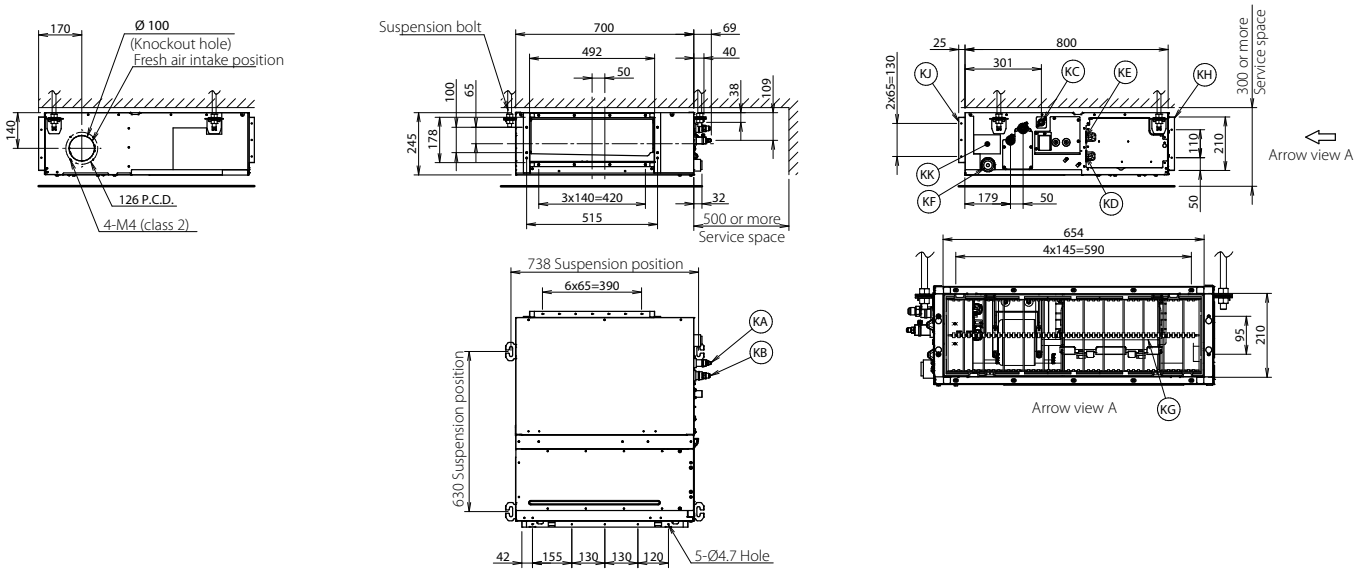
3D085960C

FDXM60F9



3D081329C

FBA35A9



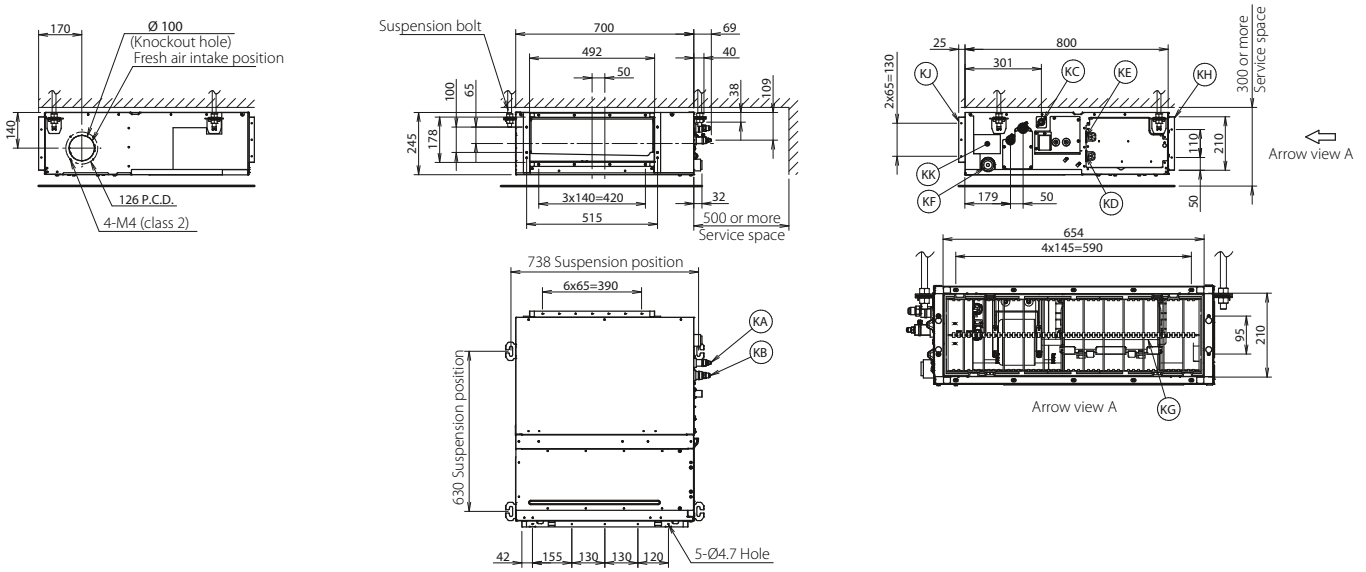
Item	Name	Description
KA	Liquid pipe connection port	ø6.35 flared connection
KB	Gas pipe connection port	ø9.52 flared connection
KC	Drain pipe connection	VP20 (OD ø26, ID ø20)
KD	Wiring connection	/
KE	Power supply connection	/
KF	Drain outlet	VP20 (OD ø26, ID ø20)
KG	Air filter	/
KH	Air suction side	/
KJ	Air discharge side	/
KK	Nameplate	/

NOTES

1. When installing optional accessories, refer to their respective documentation.
2. The ceiling depth varies according to the documentation of the specific system.

3D094988B

FBA50A9



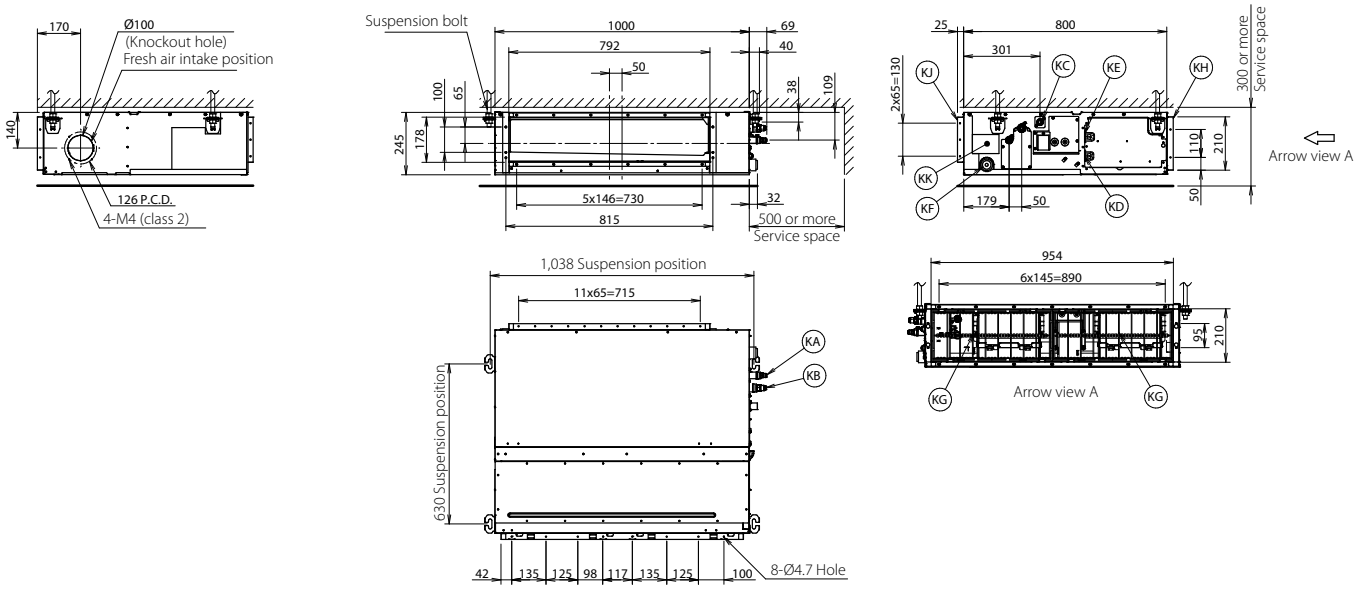
Item	Name	Description
KA	Liquid pipe connection port	ø6.35 flared connection
KB	Gas pipe connection port	ø12.70 flared connection
KC	Drain pipe connection	VP20 (OD ø26, ID ø20)
KD	Wiring connection	/
KE	Power supply connection	/
KF	Drain outlet	VP20 (OD ø26, ID ø20)
KG	Air filter	/
KH	Air suction side	/
KJ	Air discharge side	/
KK	Nameplate	/

NOTES

1. When installing optional accessories, refer to their respective documentation.
2. The ceiling depth varies according to the documentation of the specific system.

3D094918B

FBA60A9



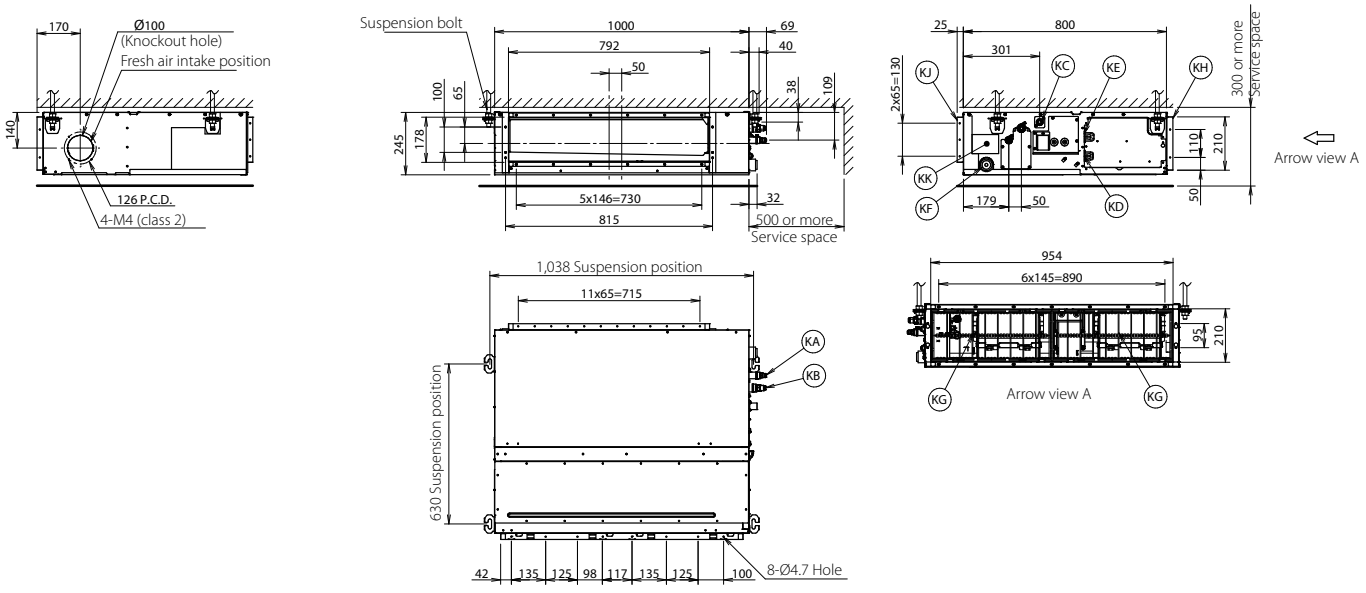
Item	Name	Description
KA	Liquid pipe connection port	ø6.35 flared connection
KB	Gas pipe connection port	ø12.70 flared connection
KC	Drain pipe connection	VP20 (OD ø26, ID ø20)
KD	Wiring connection	/
KE	Power supply connection	/
KF	Drain outlet	VP20 (OD ø26, ID ø20)
KG	Air filter	/
KH	Air suction side	/
KJ	Air discharge side	/
KK	Nameplate	/

NOTES

1. When installing optional accessories, refer to their respective documentation.
2. The ceiling depth varies according to the documentation of the specific system.

3D094983B

FBA71A9



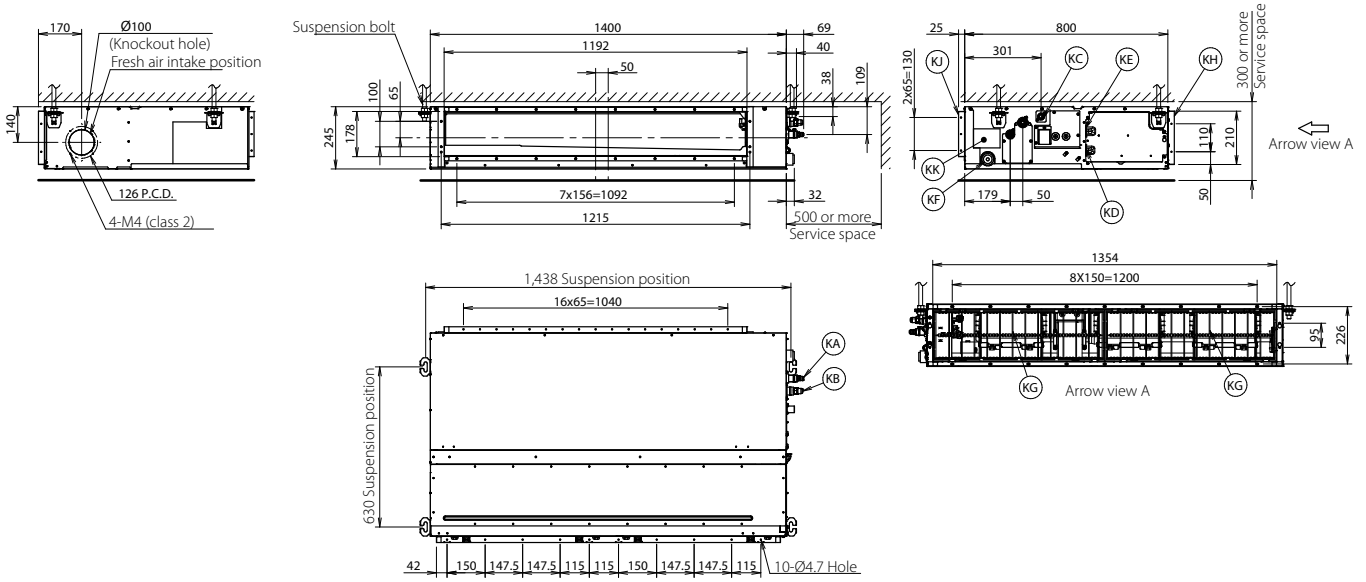
Item	Name	Description
KA	Liquid pipe connection port	ø9.52 flared connection
KB	Gas pipe connection port	ø15.90 flared connection
KC	Drain pipe connection	VP20 (OD ø26, ID ø20)
KD	Wiring connection	/
KE	Power supply connection	/
KF	Drain outlet	VP20 (OD ø26, ID ø20)
KG	Air filter	/
KH	Air suction side	/
KJ	Air discharge side	/
KK	Nameplate	/

NOTES

1. When installing optional accessories, refer to their respective documentation.
2. The ceiling depth varies according to the documentation of the specific system.

3D094915B

FBA100-140A



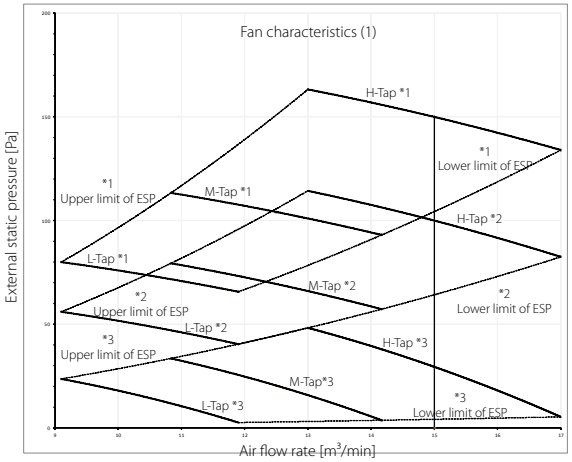
Item	Name	Description
KA	Liquid pipe connection port	ø9.52 flared connection
KB	Gas pipe connection port	ø15.90 flared connection
KC	Drain pipe connection	VP20 (OD ø26, ID ø20)
KD	Wiring connection	/
KE	Power supply connection	/
KF	Drain outlet	VP20 (OD ø26, ID ø20)
KG	Air filter	/
KH	Air suction side	/
KJ	Air discharge side	/
KK	Nameplate	/

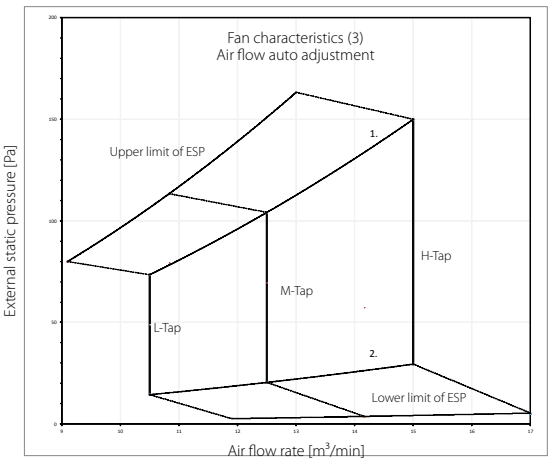
NOTES

1. When installing optional accessories, refer to their respective documentation.
2. The ceiling depth varies according to the documentation of the specific system.

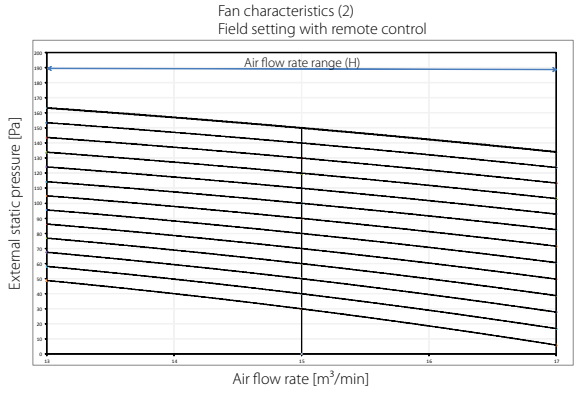
3D094914B

FBA35-50A9





1. Upper limit of ESP by air flow auto adjustment
2. Lower limit of ESP by air flow auto adjustment



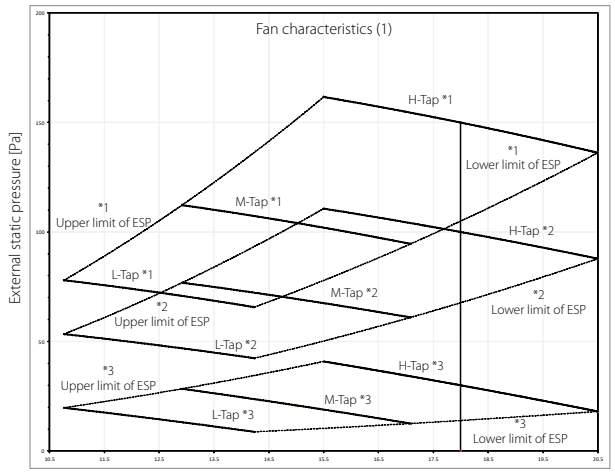
Mark		ESP [Pa]
*1	Maximum	150
*2	-	100
*3	Standard	30

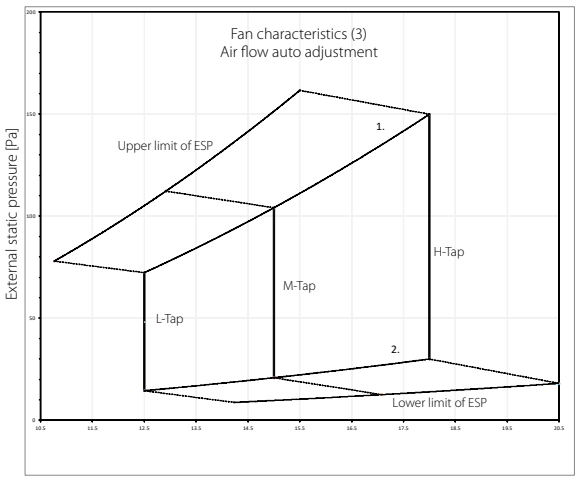
NOTES

1. The fan characteristics shown are in "fan only" mode.
2. ESP: External Static Pressure

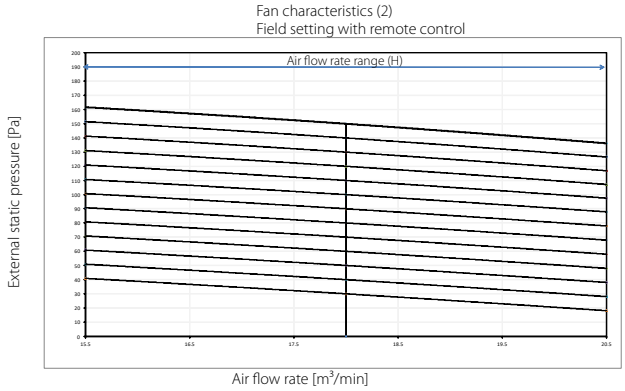
3D095521B

FBA60-71A9





1. Upper limit of ESP by air flow auto adjustment
2. Lower limit of ESP by air flow auto adjustment



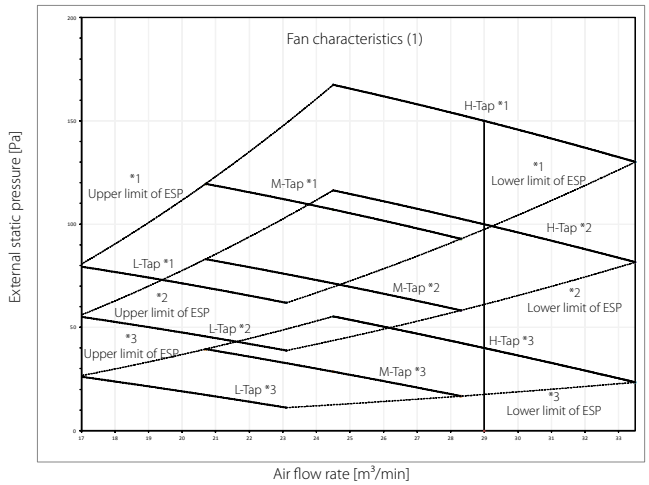
Mark		ESP [Pa]
*1	Maximum	150
*2	-	100
*3	Standard	30

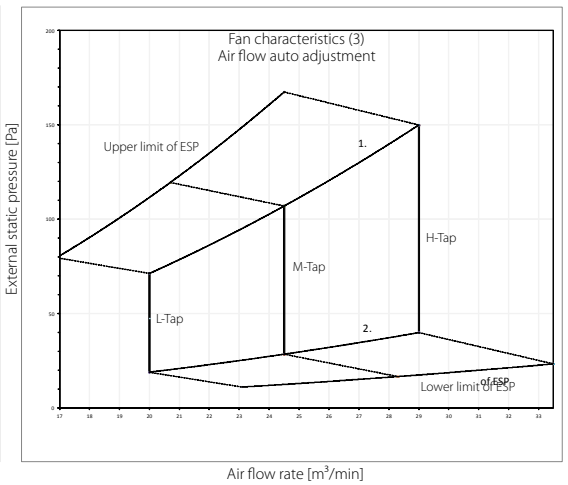
NOTES

1. The fan characteristics shown are in "fan only" mode.
2. ESP: External Static Pressure

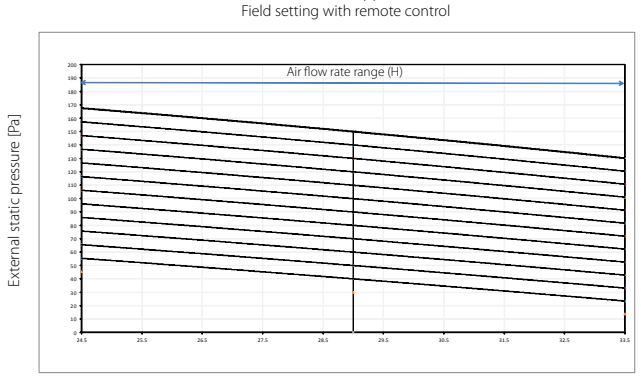
3D095524B

FBA100A





1. Upper limit of ESP by air flow auto adjustment
2. Lower limit of ESP by air flow auto adjustment



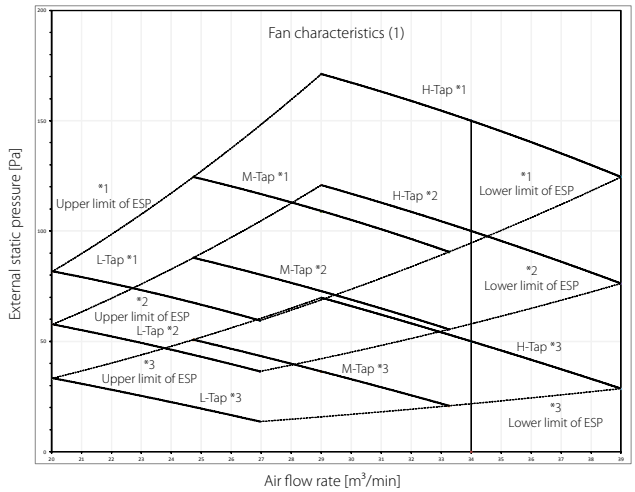
Mark		ESP [Pa]
*1	Maximum	150
*2	-	100
*3	Standard	30

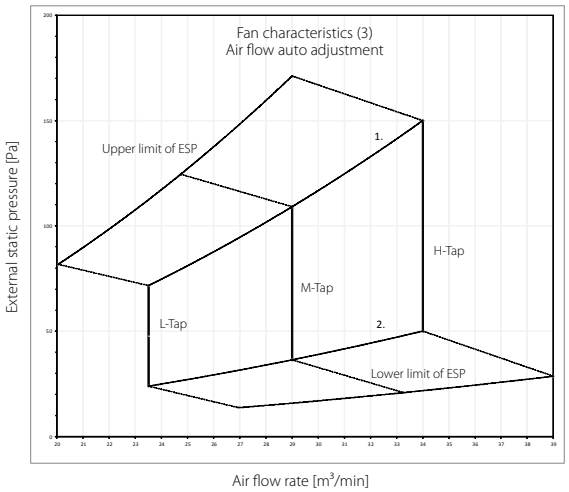
NOTES

1. The fan characteristics shown are in "fan only" mode.
2. ESP: External Static Pressure

3D095526B

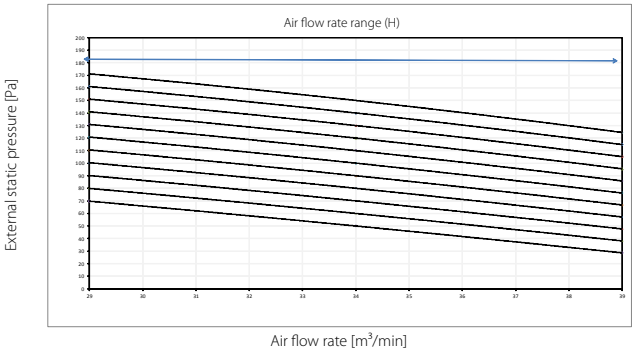
FBA125-140A





1. Upper limit of ESP by air flow auto adjustment
2. Lower limit of ESP by air flow auto adjustment

Fan characteristics (2)
Field setting with remote control



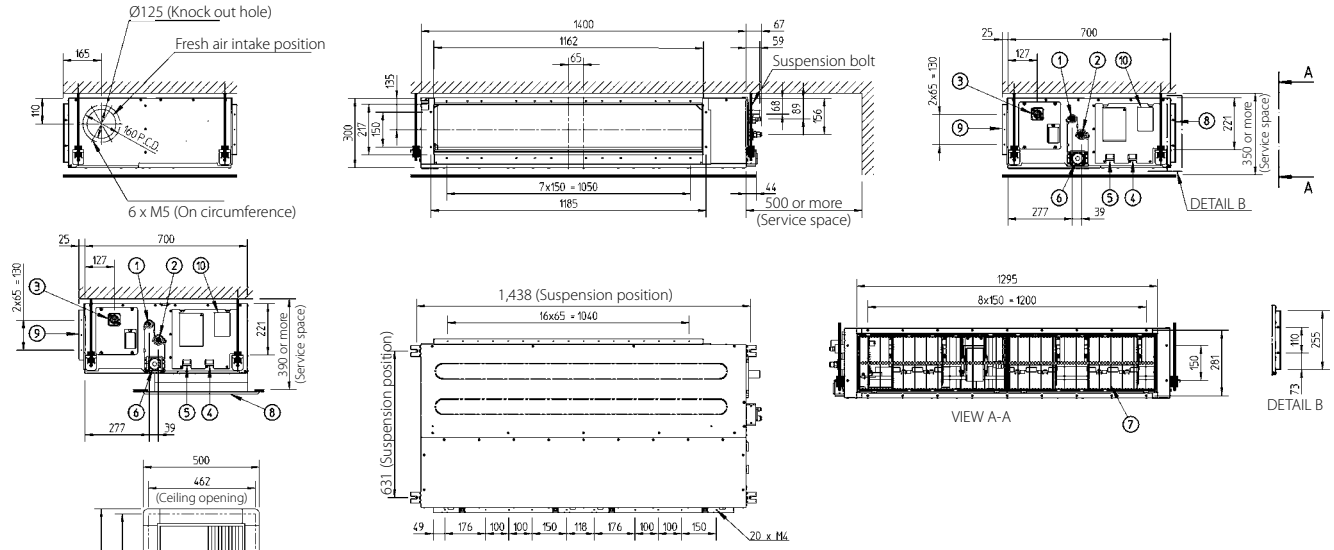
Mark		ESP [Pa]
*1	Maximum	150
*2	-	100
*3	Standard	30

NOTES

1. The fan characteristics shown are in "fan only" mode.
2. ESP: External Static Pressure

3D095527B

FDA125A



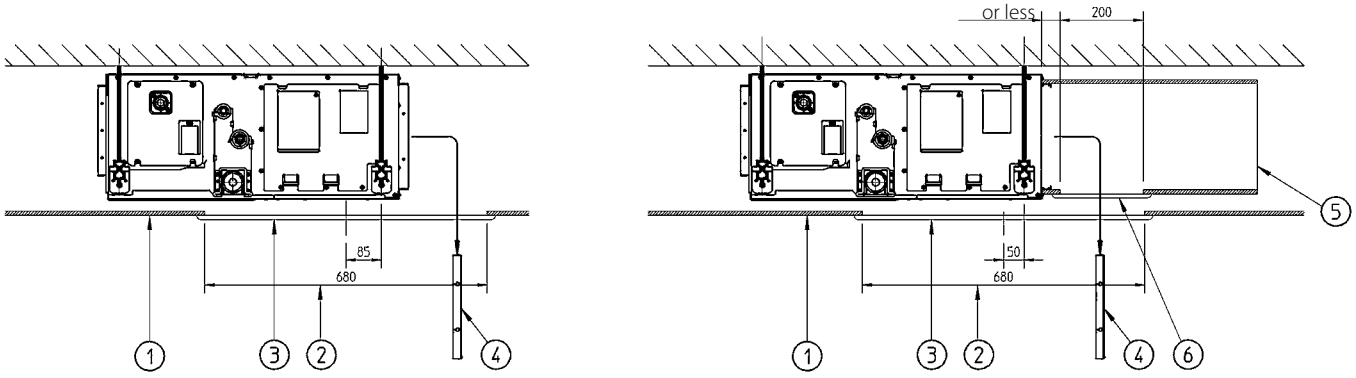
Item	Name	Description
1	Liquid pipe connection port	Ø9.52 Flare connection
2	Gas pipe connection port	Ø15.90 Flare connection
3	Drain pipe connection	VP25 (0D Ø32, ID Ø25)
4	Remote control wiring connection	-
5	Power supply connection	-
6	Drain hole	VP25 (OD ø 32, ID ø 25)
7	Air filter	-
8	Air suction side	-
9	Air discharge side	-
10	Nameplate	-

NOTES

1. Refer to the outlook drawing of optional accessories when installing them.
2. The required ceiling depth varies according to the configuration of the specific
3. system.
4. For maintenance of the air filter, it is necessary to provide a service access
5. panel.
6. Optional decoration panel: BYBS125DJW1 (light ivory white 10Y9/0.5)

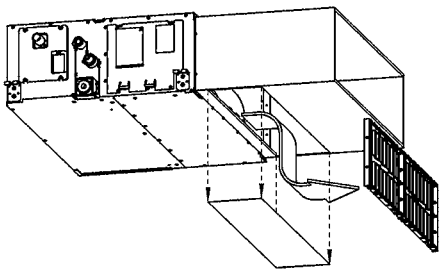
3TW31254-1B

FDA125A



Installation without air inlet duct

Installation with air inlet duct



Number	Description
1	Suspended ceiling
2	Ceiling openinq
3	Service access panel (optional)
4	Air filter
5	Air inlet duct
6	Duct service opening

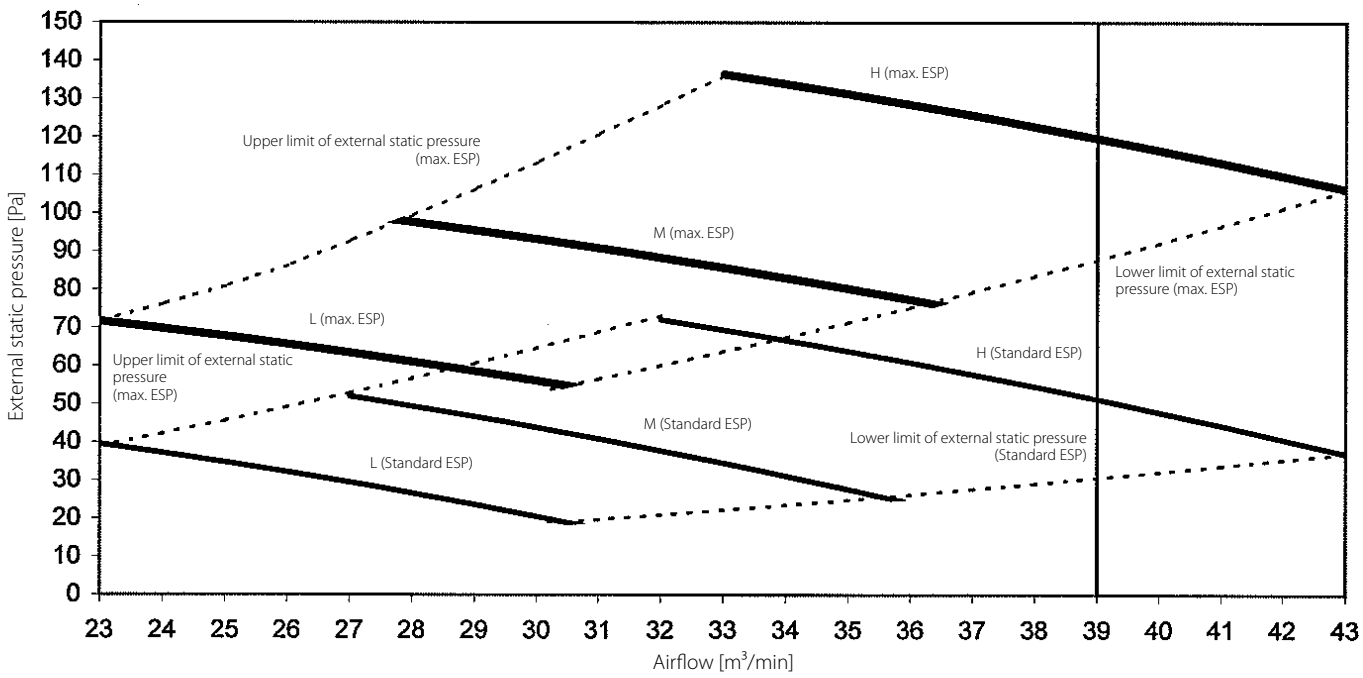
NOTES

1. When installing the unit with rear suction, a service opening is necessary for the maintenance of the air filters.
2. When installing the unit with a suction duct, a service opening must be provided in the duct.

3TW31184-4

FDA125A

Fan characteristics (1)



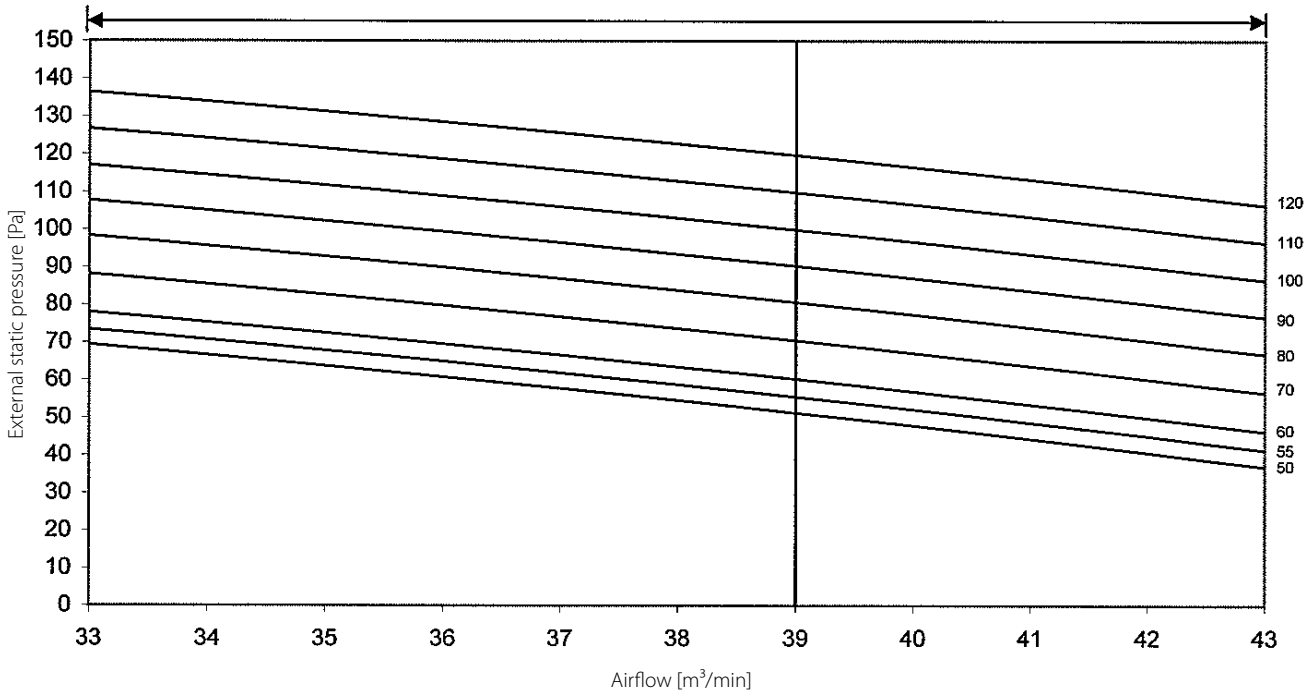
NOTES

1. The fan characteristics shown are in "fan only" mode.
2. ESP: External Static Pressure

3TW31268-1

FDA125A

Fan characteristics (2)
(Field setting with remote controller)
range of available air flow rate (H)



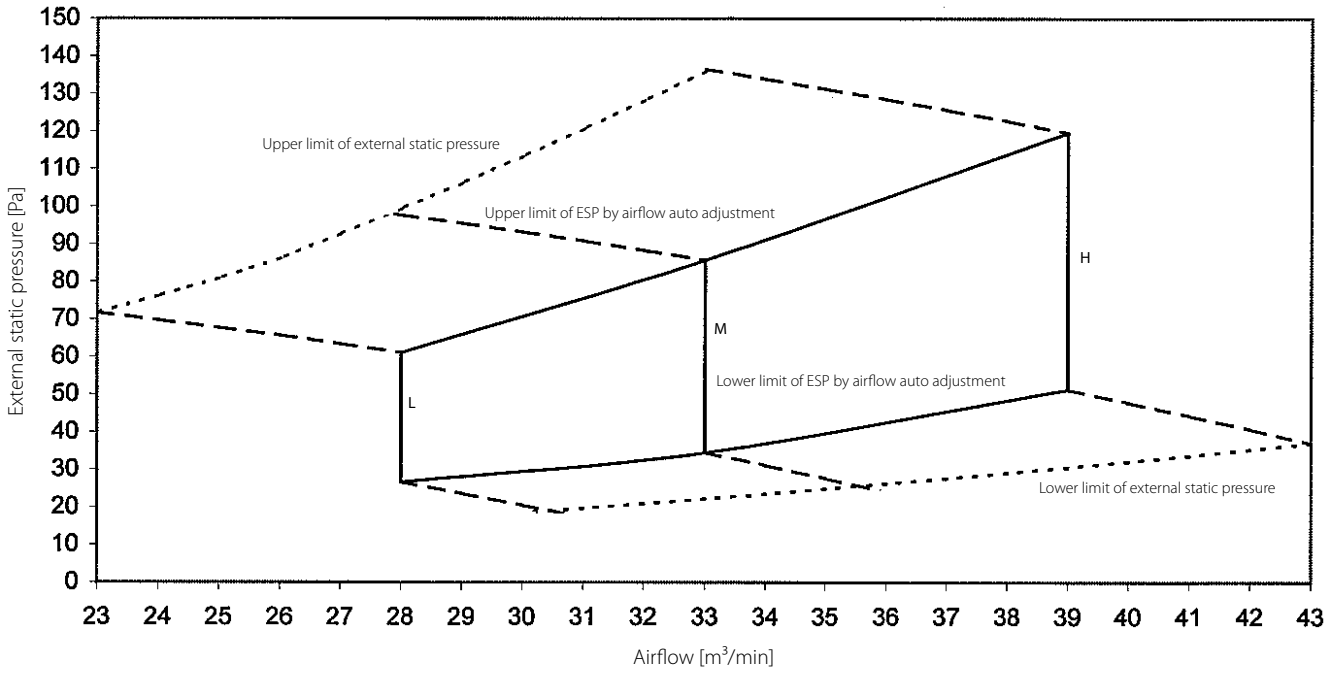
NOTES

1. The fan characteristics shown are in "fan only" mode.
2. ESP: External Static Pressure

3TW31268-1

FDA125A

Fan characteristics (3)
(air flow auto adjustment)

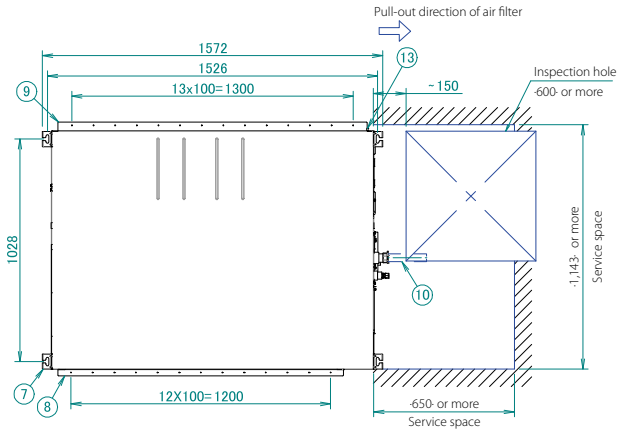


NOTES

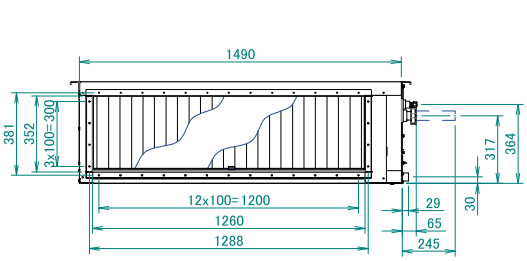
1. The fan characteristics shown are in "fan only" mode.
2. ESP: External Static Pressure

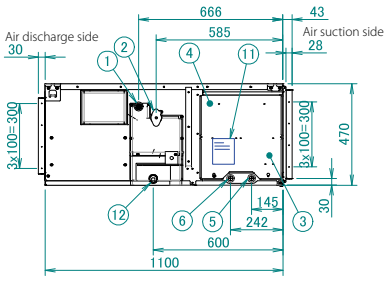
3TW31268-1

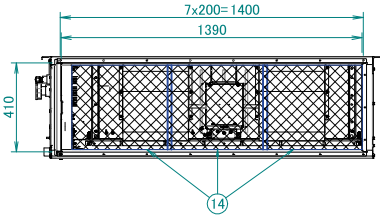
FDA200-250A



Number	Part name	Description
1	Liquid pipe connection port	Flare connection
2	Gas pipe connection port	Brazed connection
3	Grounding terminal	Located inside of the unit
4	Control box	
5	Power supply wiring intake	
6	Control wiring intake	
7	Hook	M10
8	Air outlet flange	
9	Air inlet flange with air filter	
10	Accessory pipe	Standard accessory
11	Manufacturer label	
12	Drain pipe connection	·1 inch· BSP (female thread)
13	Maintenance cover	Air filter
14	Air filter	







Piping connections Ø		
Indoor unit	Gas pipe	Liquid pipe
FDA200AXVEB	Ø 19.1 Accessory pipe	Ø 9.5
FDA250AXVEB	Ø 19.1 Accessory pipe	Ø 9.5

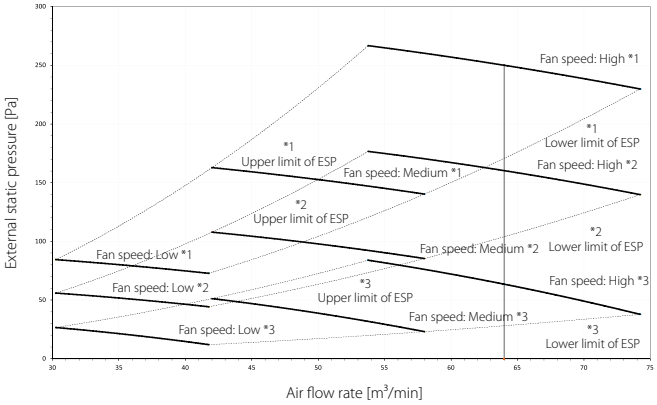
NOTES

1. The unit nameplate is located on the control box cover.

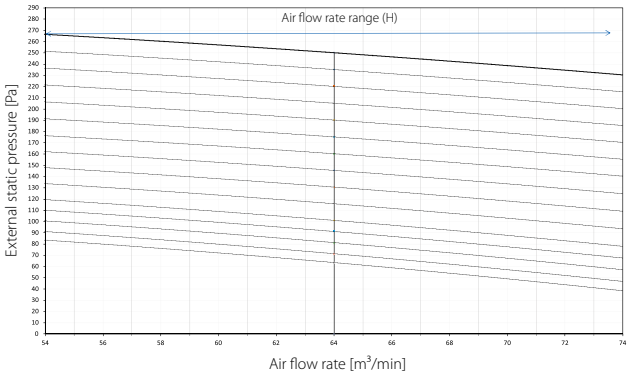
2D123907

FDA200A

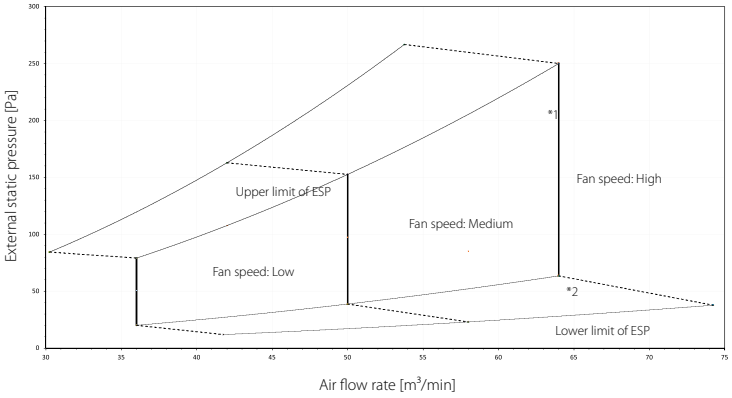
Fan characteristics (1)



Fan characteristics (2)
Field setting with remote control



Fan characteristics (3)
Air flow auto adjustment



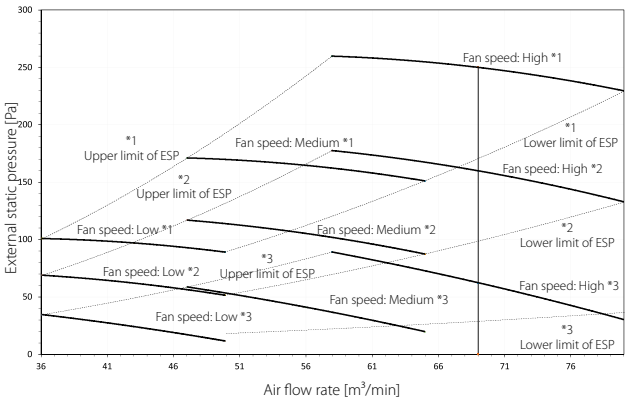
1. Upper limit of ESP by air flow auto adjustment
2. Lower limit of ESP by air flow auto adjustment

Mark		ESP [Pa]
*1	Maximum	
*2	-	160
*3	Standard	62

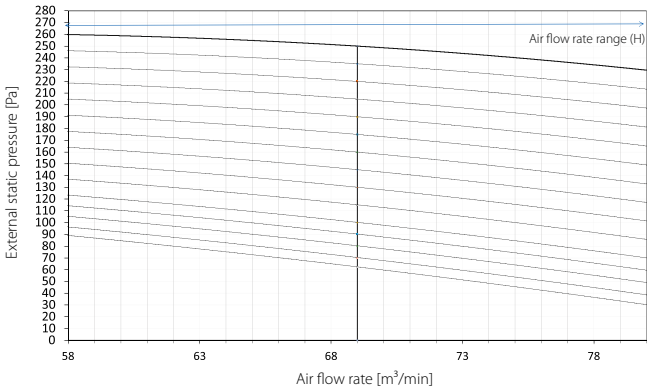
4D124460

FDA250A

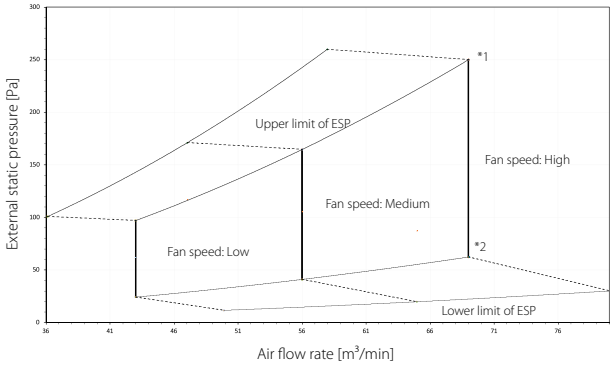
Fan characteristics (1)



Fan characteristics (2)
Field setting with remote control



Fan characteristics (3)
Air flow auto adjustment

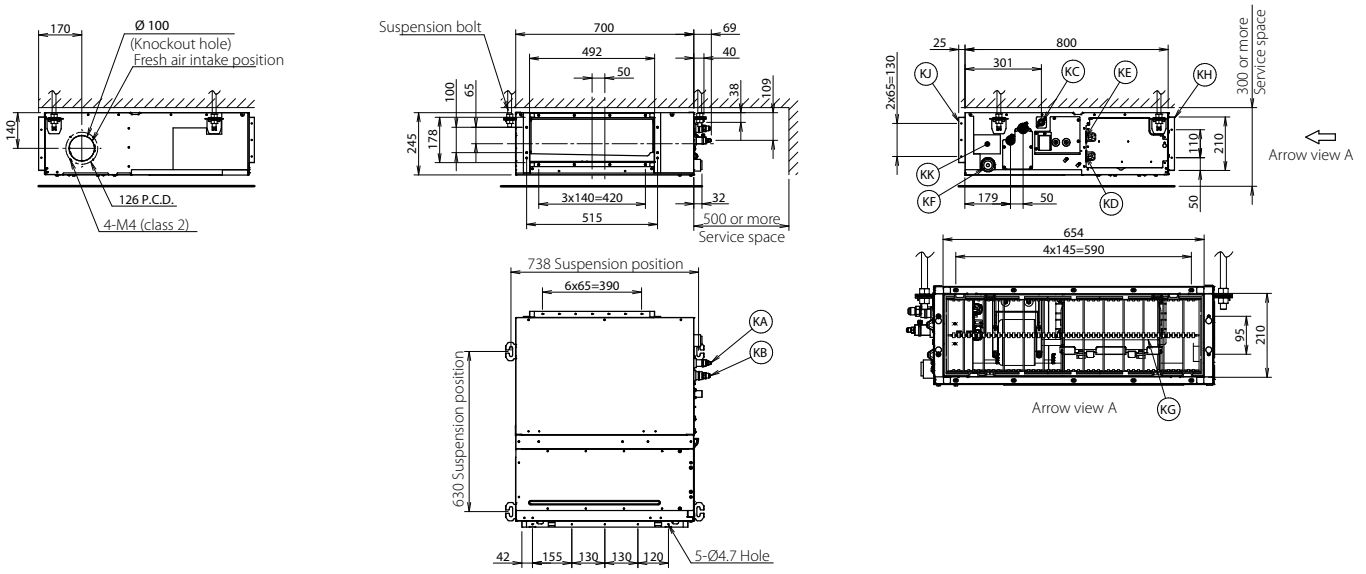


1. Upper limit of ESP by air flow auto adjustment
2. Lower limit of ESP by air flow auto adjustment

Mark		ESP [Pa]
*1	Maximum	250
*2	-	160
*3	Standard	62

4D124478

ADEA35A9



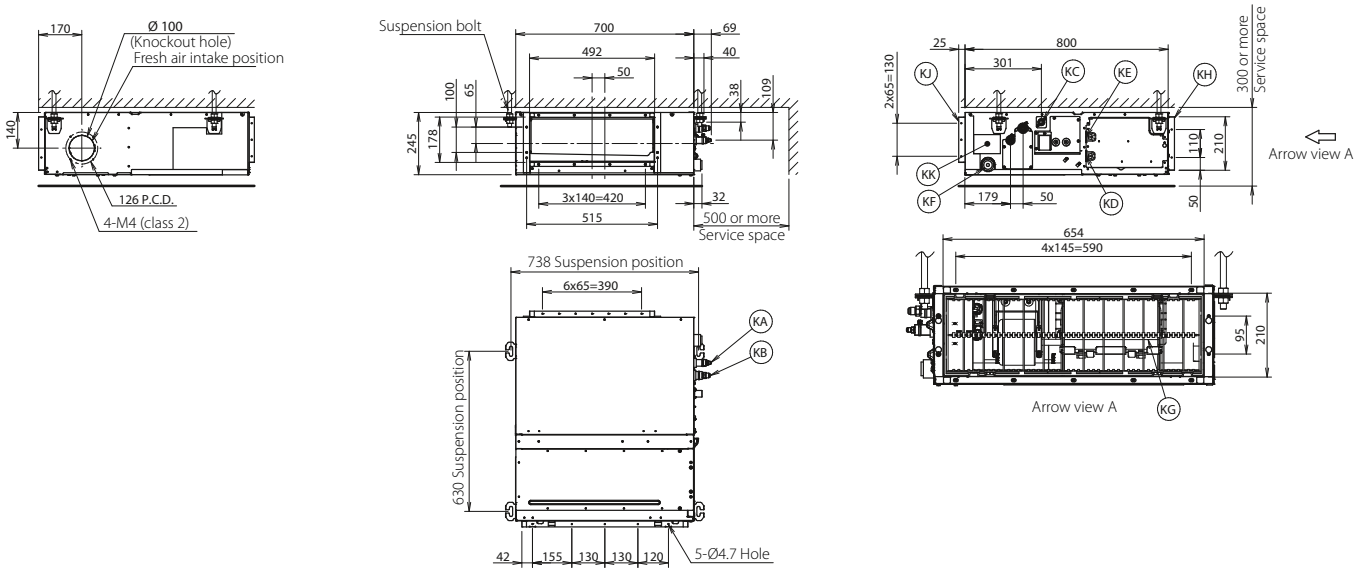
Item	Name	Description
KA	Liquid pipe connection port	ø6.35 flared connection
KB	Gas pipe connection port	ø9.52 flared connection
KC	Drain pipe connection	VP20 (OD ø26, ID ø20)
KD	Wiring connection	/
KE	Power supply connection	/
KF	Drain outlet	VP20 (OD ø26, ID ø20)
KG	Air filter	/
KH	Air suction side	/
KJ	Air discharge side	/
KK	Nameplate	/

NOTES

1. When installing optional accessories, refer to their respective documentation.
2. The ceiling depth varies according to the documentation of the specific system.

3D094988B

ADEA50A9



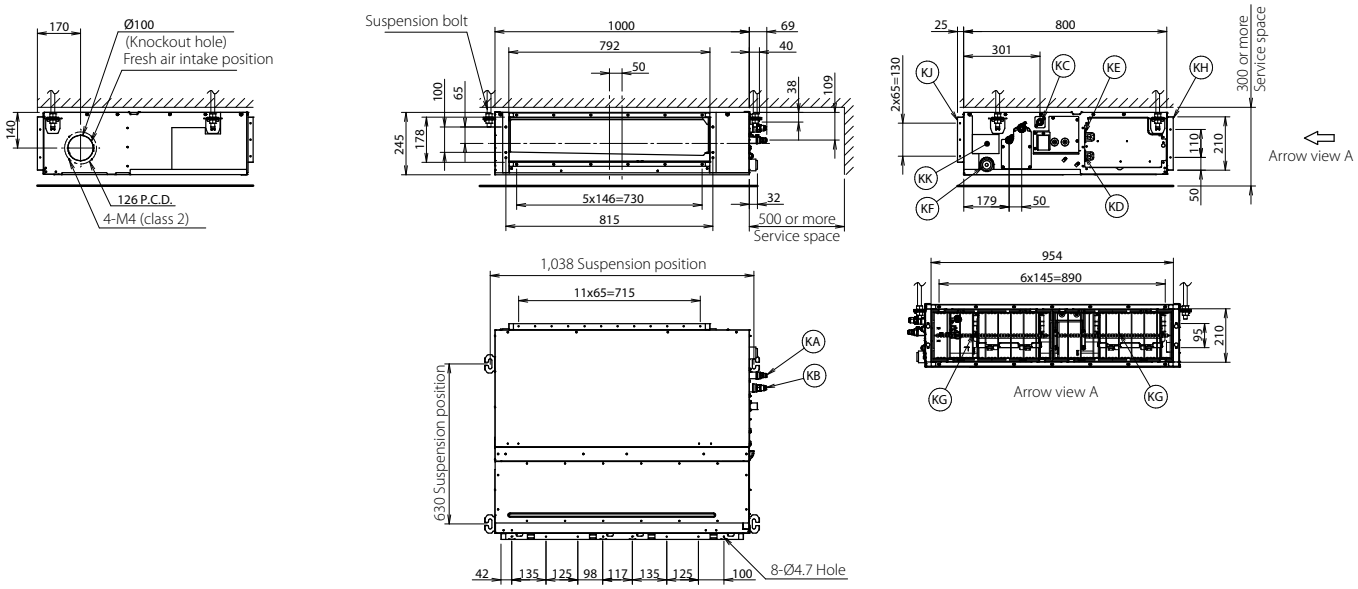
Item	Name	Description
KA	Liquid pipe connection port	ø6.35 flared connection
KB	Gas pipe connection port	ø12.70 flared connection
KC	Drain pipe connection	VP20 (OD ø26, ID ø20)
KD	Wiring connection	/
KE	Power supply connection	/
KF	Drain outlet	VP20 (OD ø26, ID ø20)
KG	Air filter	/
KH	Air suction side	/
KJ	Air discharge side	/
KK	Nameplate	/

NOTES

1. When installing optional accessories, refer to their respective documentation.
2. The ceiling depth varies according to the documentation of the specific system.

3D094918B

ADEA60A9



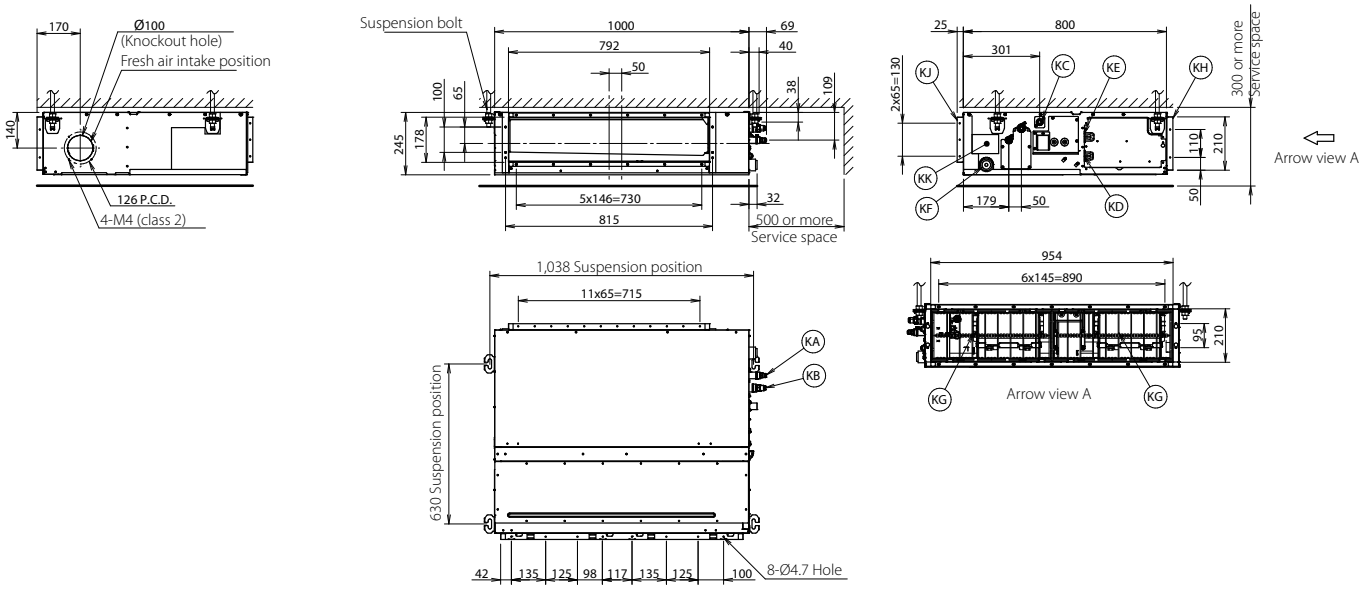
Item	Name	Description
KA	Liquid pipe connection port	ø6.35 flared connection
KB	Gas pipe connection port	ø12.70 flared connection
KC	Drain pipe connection	VP20 (OD ø26, ID ø20)
KD	Wiring connection	/
KE	Power supply connection	/
KF	Drain outlet	VP20 (OD ø26, ID ø20)
KG	Air filter	/
KH	Air suction side	/
KJ	Air discharge side	/
KK	Nameplate	/

NOTES

1. When installing optional accessories, refer to their respective documentation.
2. The ceiling depth varies according to the documentation of the specific system.

3D094983B

ADEA71A9



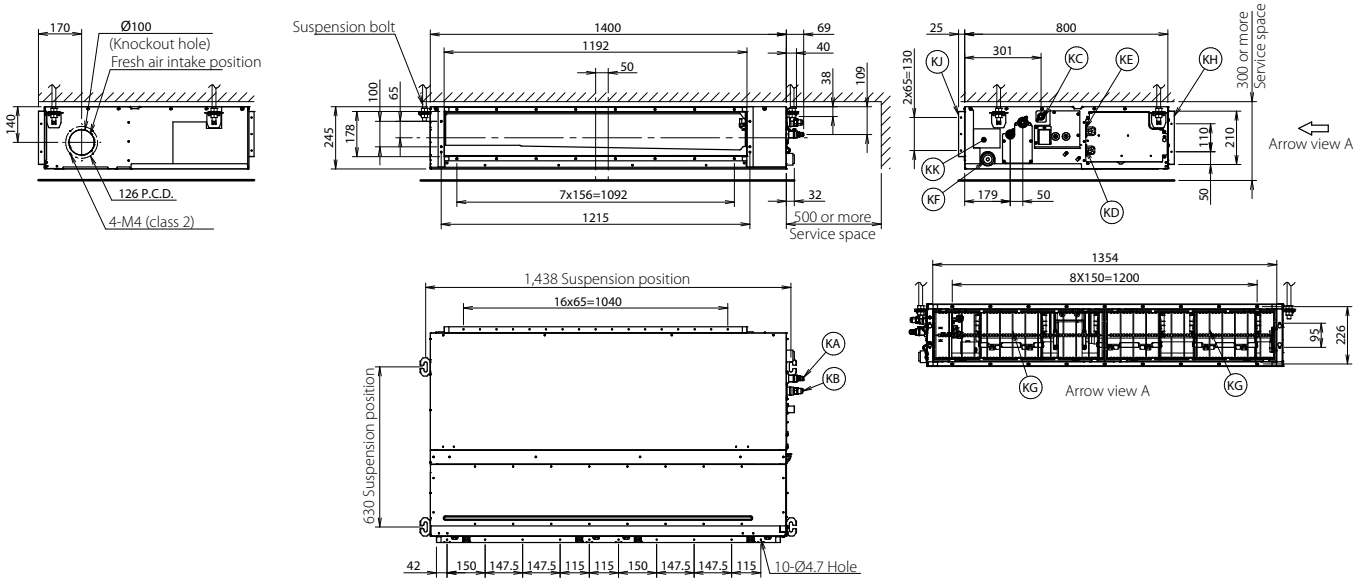
Item	Name	Description
KA	Liquid pipe connection port	ø9.52 flared connection
KB	Gas pipe connection port	ø15.90 flared connection
KC	Drain pipe connection	VP20 (OD ø26, ID ø20)
KD	Wiring connection	/
KE	Power supply connection	/
KF	Drain outlet	VP20 (OD ø26, ID ø20)
KG	Air filter	/
KH	Air suction side	/
KJ	Air discharge side	/
KK	Nameplate	/

NOTES

1. When installing optional accessories, refer to their respective documentation.
2. The ceiling depth varies according to the documentation of the specific system.

3D094915B

ADEA100-125A



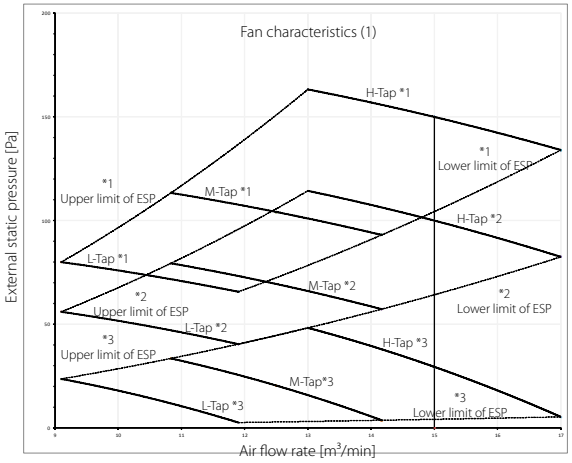
Item	Name	Description
KA	Liquid pipe connection port	ø9.52 flared connection
KB	Gas pipe connection port	ø15.90 flared connection
KC	Drain pipe connection	VP20 (OD ø26, ID ø20)
KD	Wiring connection	/
KE	Power supply connection	/
KF	Drain outlet	VP20 (OD ø26, ID ø20)
KG	Air filter	/
KH	Air suction side	/
KJ	Air discharge side	/
KK	Nameplate	/

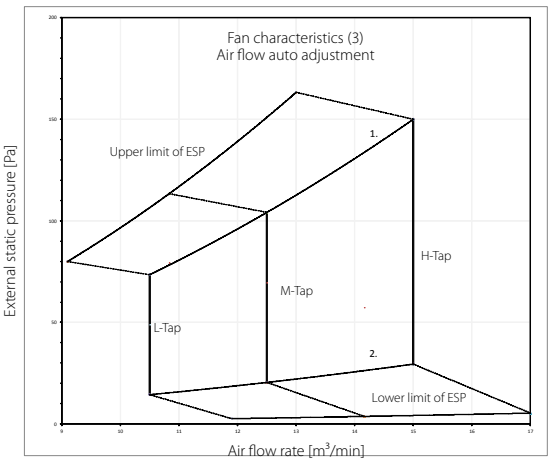
NOTES

1. When installing optional accessories, refer to their respective documentation.
2. The ceiling depth varies according to the documentation of the specific system.

3D094914B

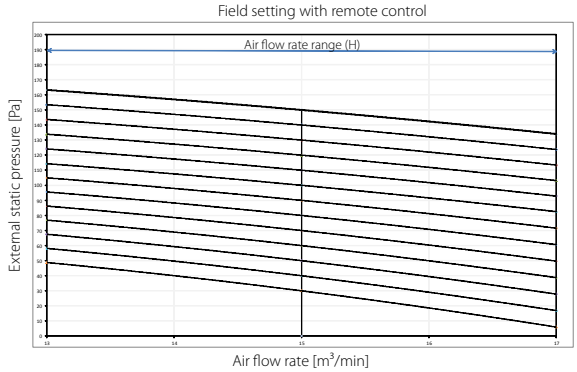
ADEA35-50A9





1. Upper limit of ESP by air flow auto adjustment
2. Lower limit of ESP by air flow auto adjustment

Fan characteristics (2)
Field setting with remote control



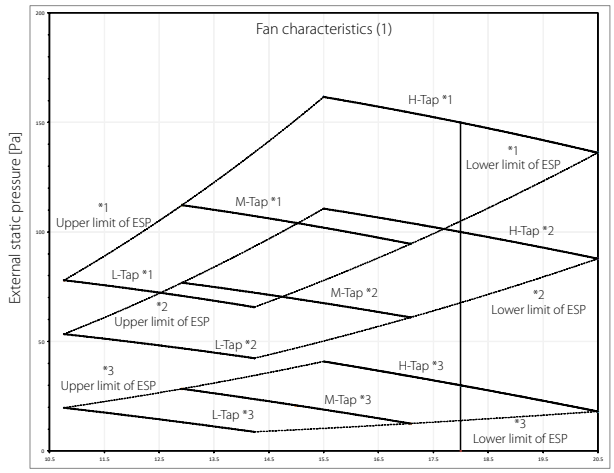
Mark		ESP [Pa]
*1	Maximum	150
*2	-	100
*3	Standard	30

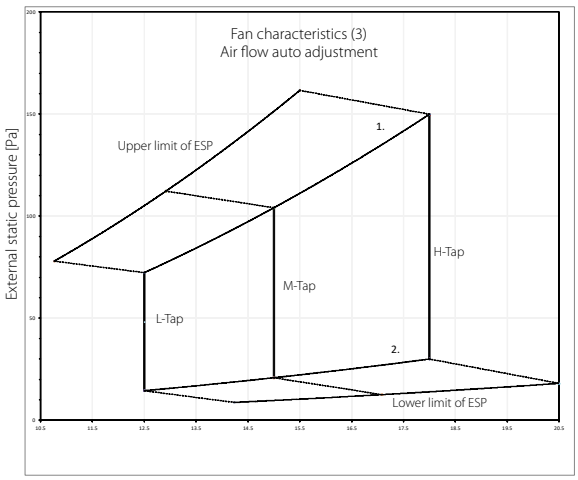
NOTES

1. The fan characteristics shown are in "fan only" mode.
2. ESP: External Static Pressure

3D095521B

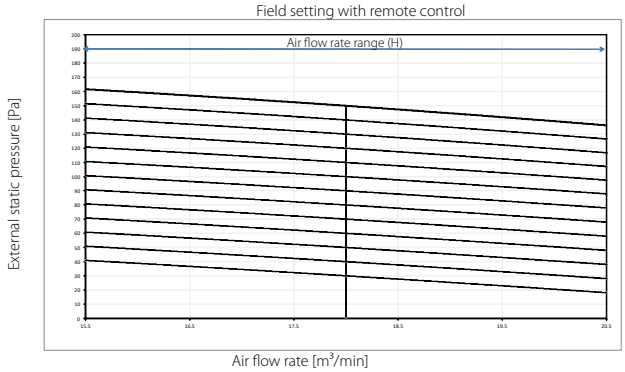
ADEA60-71A9





1. Upper limit of ESP by air flow auto adjustment
2. Lower limit of ESP by air flow auto adjustment

Fan characteristics (2)
Field setting with remote control



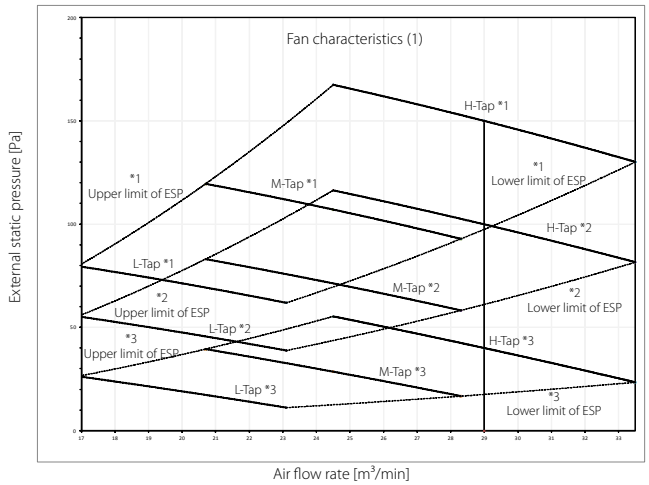
Mark		ESP [Pa]
*1	Maximum	150
*2	-	100
*3	Standard	30

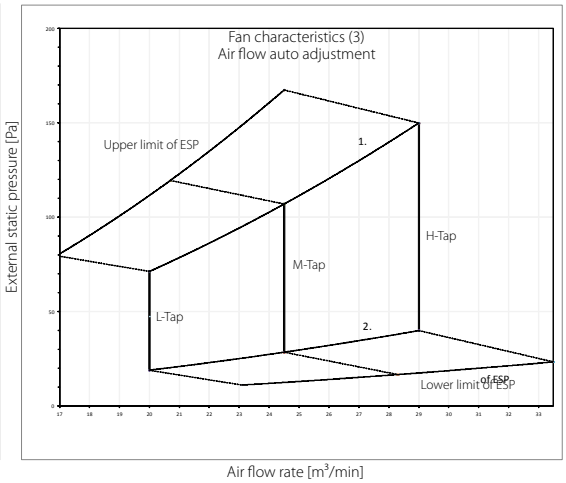
NOTES

1. The fan characteristics shown are in "fan only" mode.
2. ESP: External Static Pressure

3D095524B

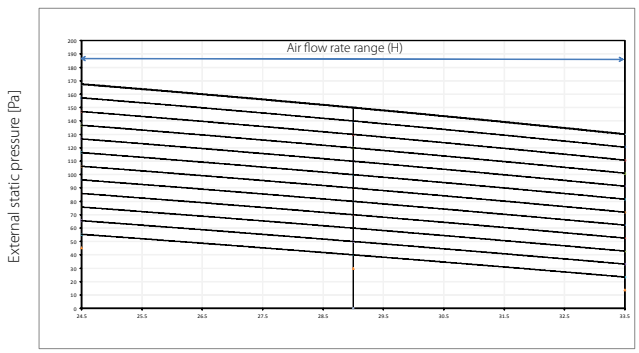
ADEA100A





1. Upper limit of ESP by air flow auto adjustment
2. Lower limit of ESP by air flow auto adjustment

Fan characteristics (2)
Field setting with remote control



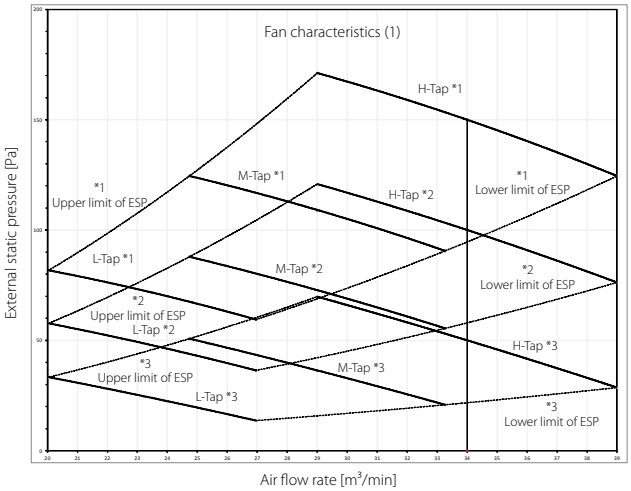
Mark		ESP [Pa]
*1	Maximum	150
*2	-	100
*3	Standard	30

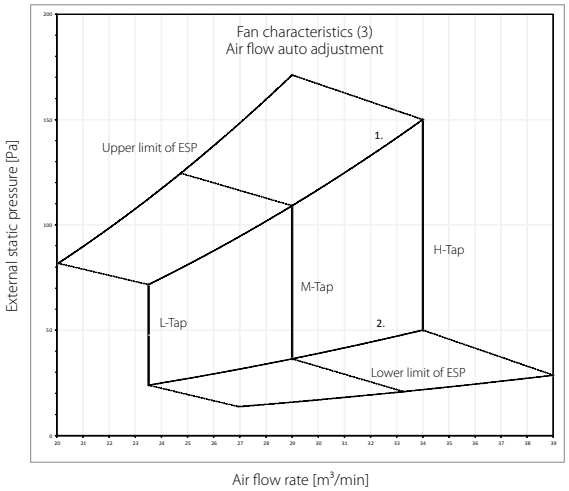
NOTES

1. The fan characteristics shown are in "fan only" mode.
2. ESP: External Static Pressure

3D095526B

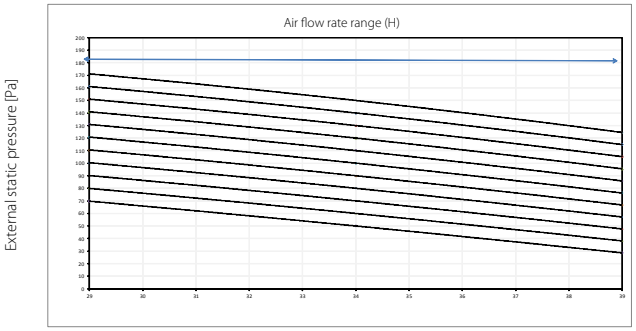
ADEA125A





1. Upper limit of ESP by air flow auto adjustment
2. Lower limit of ESP by air flow auto adjustment

Fan characteristics (2)
Field setting with remote control



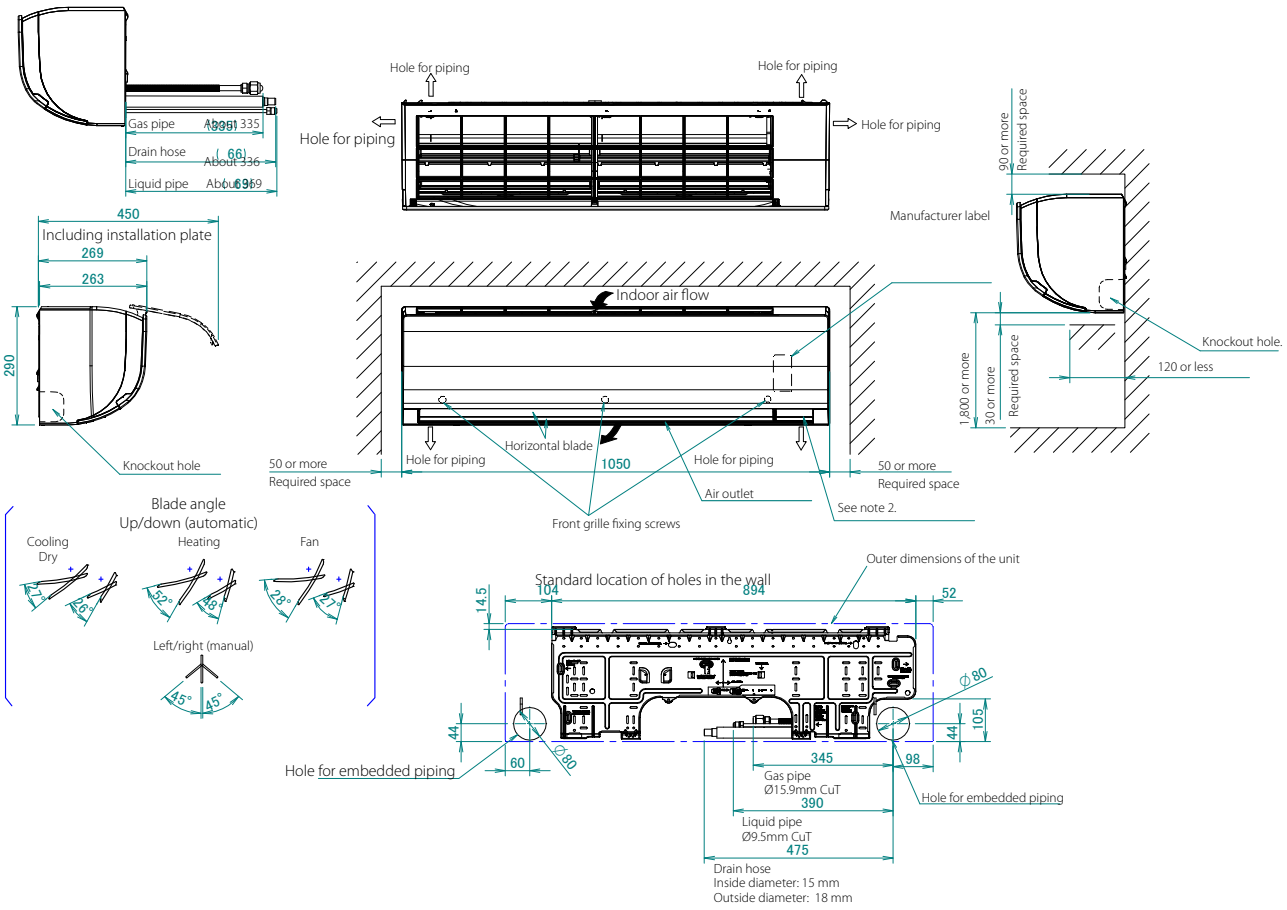
Mark		ESP [Pa]
*1	Maximum	150
*2	-	100
*3	Standard	30

NOTES

1. The fan characteristics shown are in "fan only" mode.
2. ESP: External Static Pressure

3D095527B

FAA71B

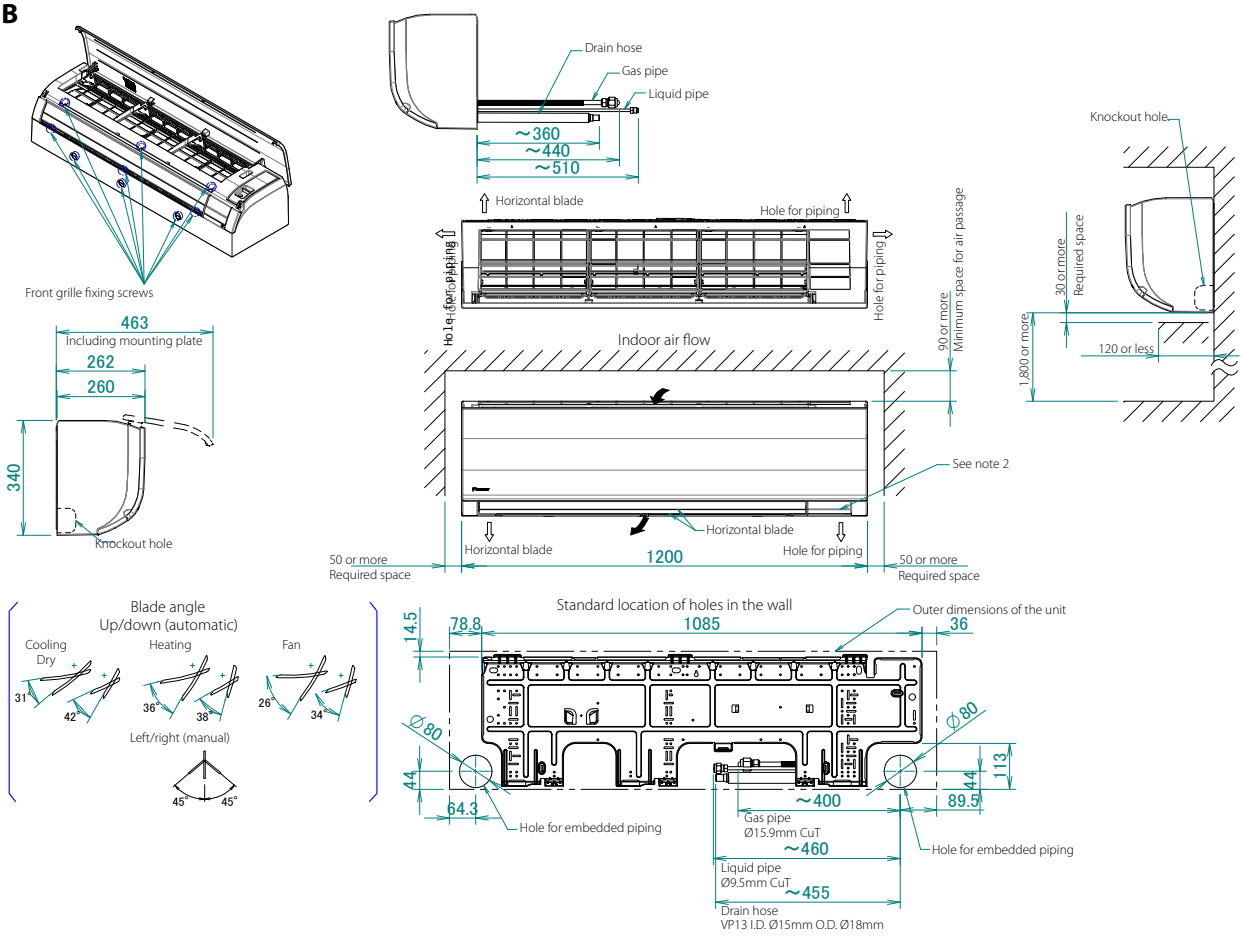


NOTES

1. The mark (➥) shows piping direction
2. When installing a wireless controller, there will be a receiver on this location. For details, see the drawing of the wireless controller.
3. Do not place any objects under the indoor unit. In case of high humidity (>80%), clogged drain outlets, or dirty air filters, condensate may drop out.

3D134459

FAA100B



NOTES

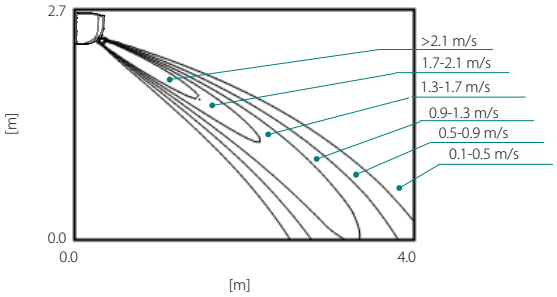
1. The mark (➥) shows piping direction
2. When installing a wireless controller, there will be a receiver on this location. For details, see the drawing of the wireless controller.
3. Do not place any objects under the indoor unit. In case of high humidity (>80%), clogged drain outlets, or dirty air filters, condensate may drop out.

3D135741

FAA71B

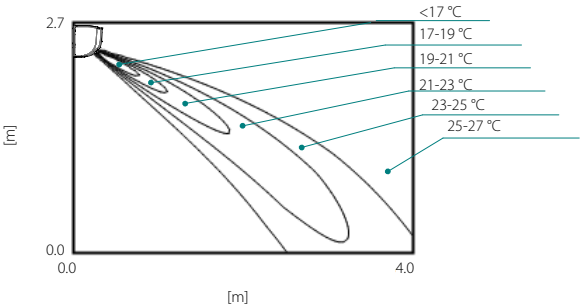
Air velocity distribution (cooling)

Air flow direction: horizontal



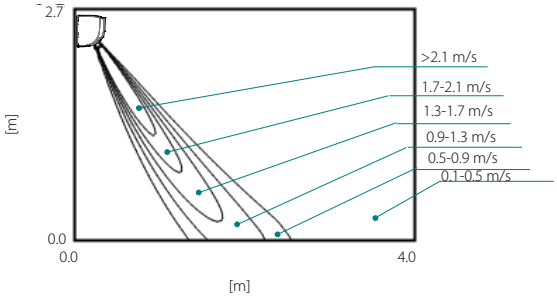
Air temperature distribution (cooling)

Air flow direction: horizontal



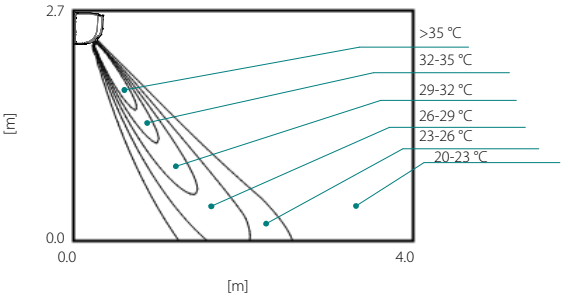
Air velocity distribution (heating)

Air flow direction: vertical



Air temperature distribution (heating)

Air flow direction: vertical

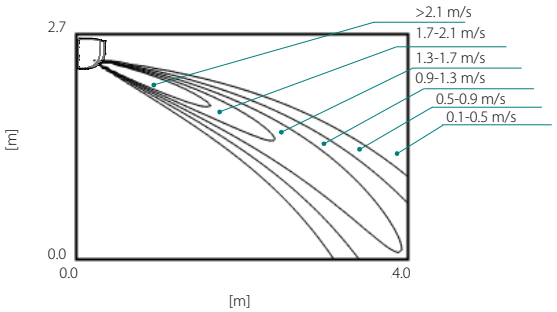


3D137553

FAA100B

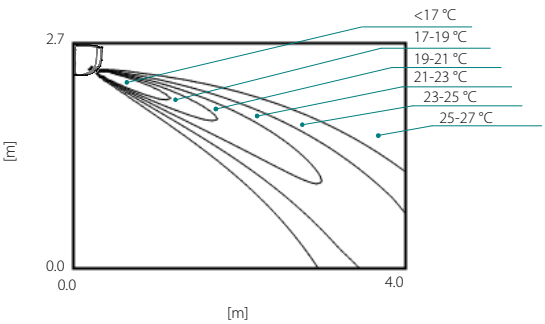
Air velocity distribution (cooling)

Air flow direction: horizontal



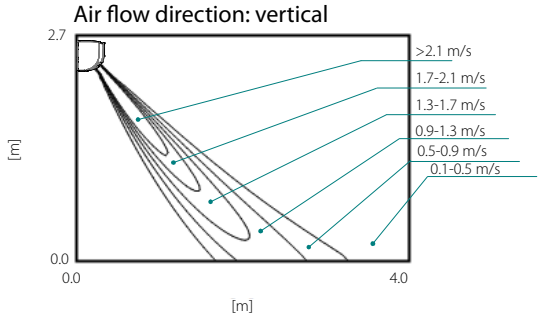
Air temperature distribution (cooling)

Air flow direction: horizontal



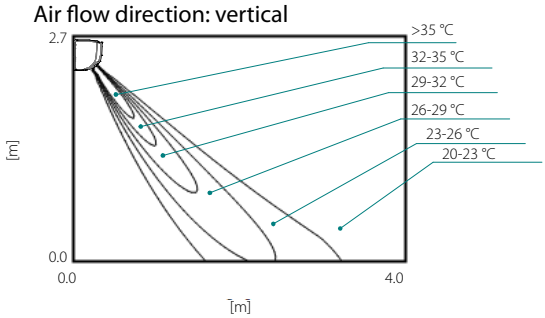
Air velocity distribution (heating)

Air flow direction: vertical



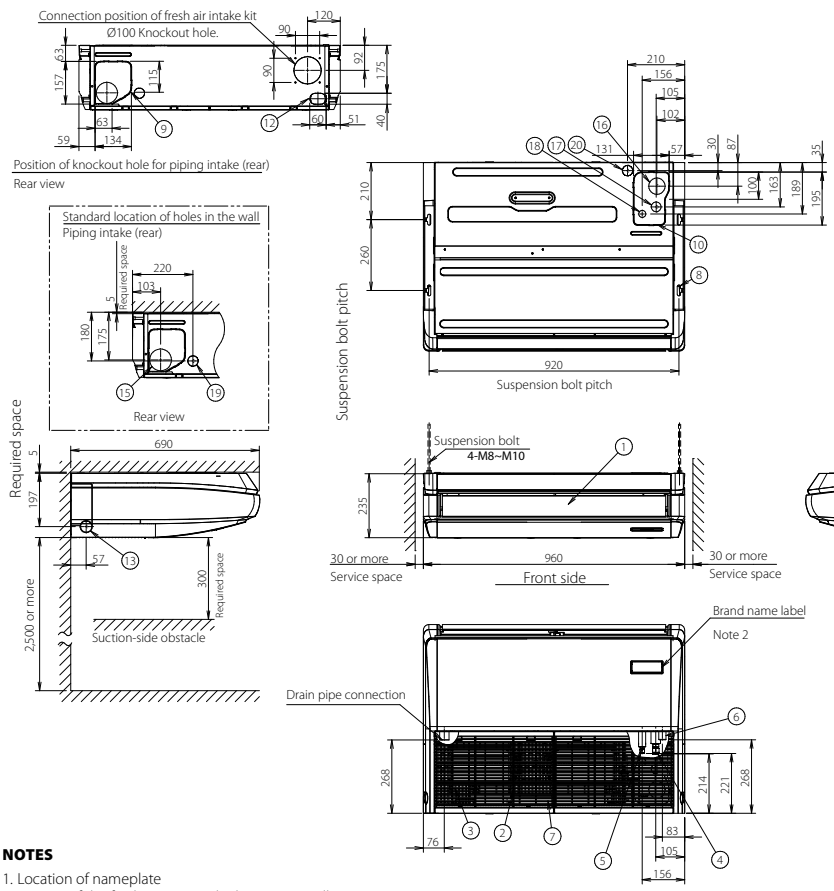
Air temperature distribution (heating)

Air flow direction: vertical



3D137557

FHA35A9



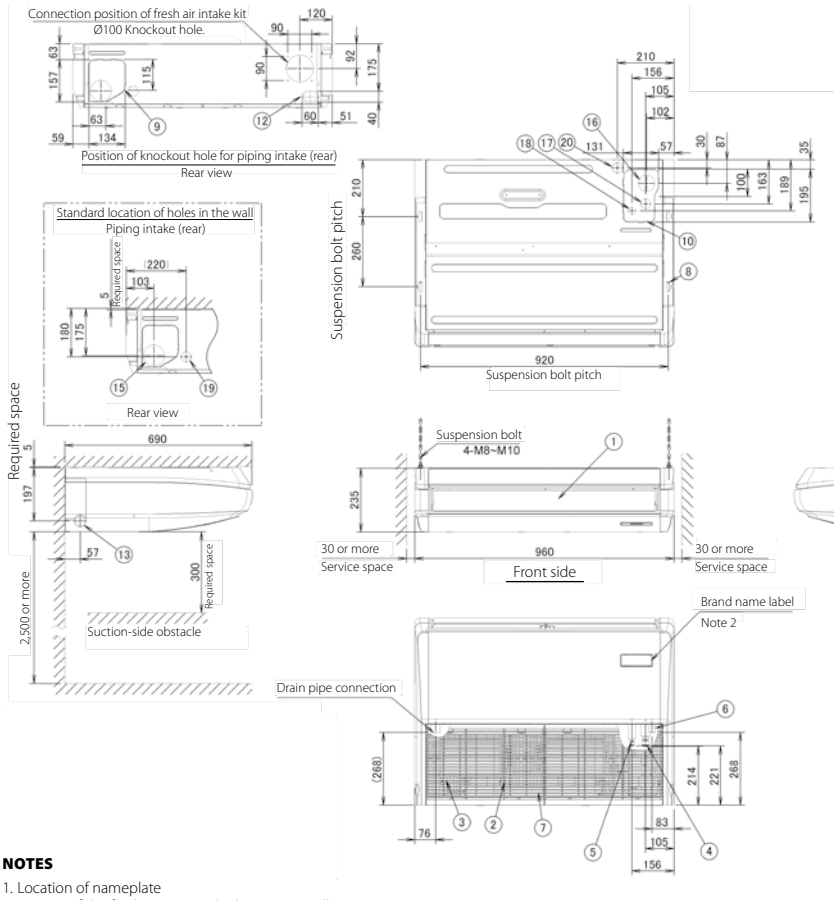
Number	Name	Description
1	Air discharge grille	
2	Air suction grille	
3	Air filter	
4	Gas pipe connection Ø9.5 flare	
5	Liquid pipe connection Ø6.4 flare	
6	Drain pipe connection	VP20
7	Terminal block with earth terminal Located inside of the unit	M4
8	Metal hanger	
9	Position of knockout hole	Rear side
10	Position of knockout hole	Top
11	Piping intake (right)	Knockout hole
12	Drain piping intake (left-rear)	Knockout hole
13	Drain piping intake (left)	Knockout hole
14	Drain piping intake (right)	Knockout hole
15	Standard location of holes in the wall Piping intake (rear)	Ø100
16	Drain piping intake (top)	Ø60
17	Gas piping intake (top)	Ø36
18	Liquid piping intake (top)	Ø26
19	Power supply wiring and control wiring intake (rear)	Ø29
20	Power supply wiring and control wiring intake (top)	Ø29

NOTES

1. Location of nameplate
   Bottom of the fan housing inside the suction grille
2. When installing a wireless controller, there will be a receiver on this location. For details, see the drawing of the wireless controller.
3. Do not place any objects under the indoor unit. In case of high humidity (>80%), clogged drain outlets, or dirty air filters, condensate may drop out.

3D106574A

FHA50A9



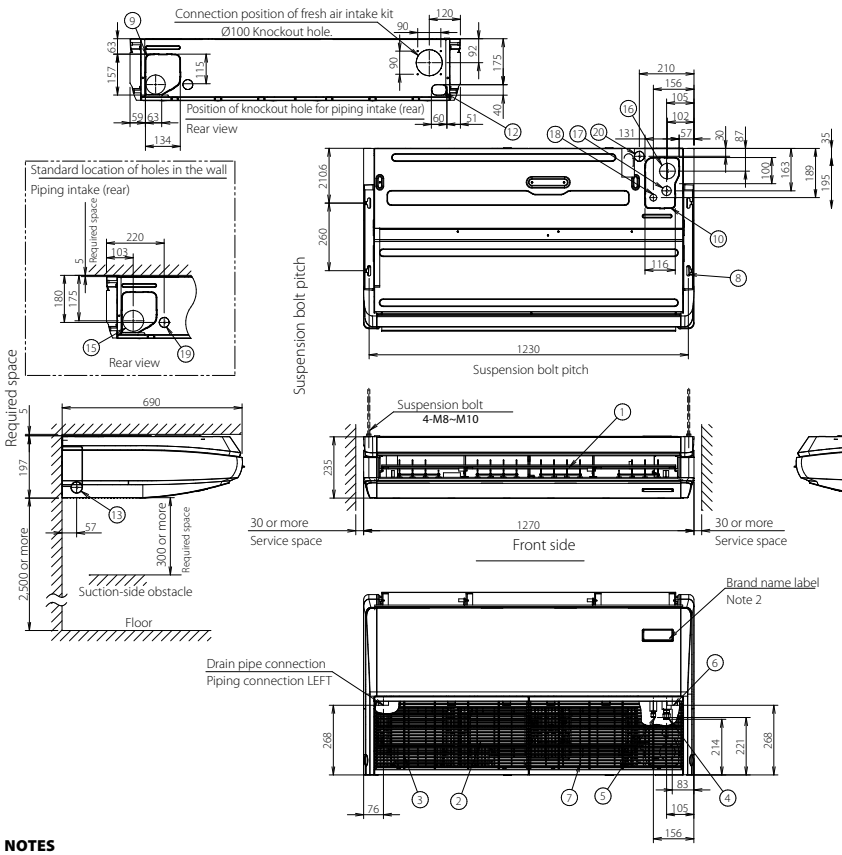
Number	Name	Description
1	Air discharge grille	
2	Air suction grille	
3	Air filter	
4	Gas pipe connection Ø12.7 flare	
5	Liquid pipe connection Ø6.4 flare	
6	Drain pipe connection	VP20
7	Terminal block with earth terminal Located inside of the unit	M4
8	Metal hanger	
9	Position of knockout hole	Rear side
10	Position of knockout hole	Top
11	Piping intake (right)	Knockout hole
12	Drain piping intake (left-rear)	Knockout hole
13	Drain piping intake (left)	Knockout hole
14	Drain piping intake (right)	Knockout hole
15	Standard location of holes in the wall Piping intake (rear)	Ø100
16	Drain piping intake (top)	Ø60
17	Gas piping intake (top)	Ø36
18	Liquid piping intake (top)	Ø26
19	Power supply wiring and control wiring intake (rear)	Ø29
20	Power supply wiring and control wiring intake (top)	Ø29

NOTES

1. Location of nameplate
   Bottom of the fan housing inside the suction grille
2. When installing a wireless controller, there will be a receiver on this location. For details, see the drawing of the wireless controller.
3. Do not place any objects under the indoor unit. In case of high humidity (>80%), clogged drain outlets, or dirty air filters, condensate may drop out.

3D109224B

FHA60A9



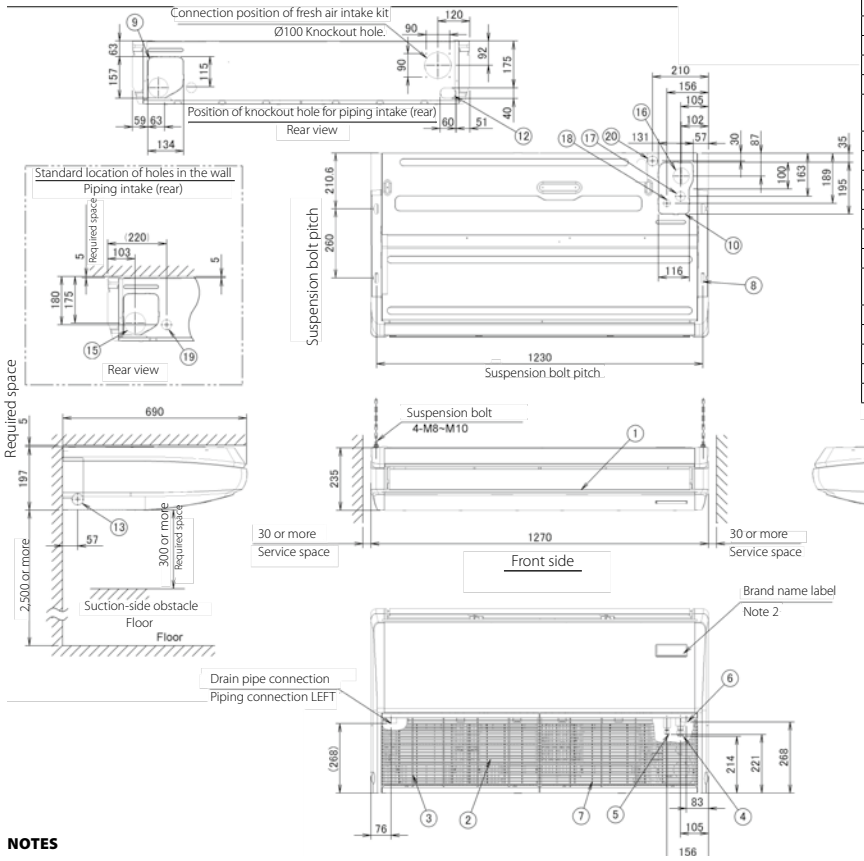
Number	Name	Description
1	Air discharge grille	
2	Air suction grille	
3	Air filter	
4	Gas pipe	Ø12.7 flare
5	Liquid pipe	Ø6.4 flare
6	Drain pipe connection	VP20
7	Terminal block with earth terminal Located inside of the unit	M4
8	Metal hanger	
9	Position of knockout hole	Rear side
10	Position of knockout hole	Top
11	Piping intake (right)	Knockout hole
12	Drain piping intake (left-rear)	Knockout hole
13	Drain piping intake (left)	Knockout hole
14	Drain piping intake (right)	Knockout hole
15	Standard location of holes in the wall Piping intake (rear)	Ø100
16	Drain piping intake (top)	Ø60
17	Gas piping intake (top)	Ø36
18	Liquid piping intake (top)	Ø26
19	Power supply wiring and control wiring intake (rear)	Ø29
20	Power supply wiring and control wiring intake (top)	Ø29

NOTES

1. Location of nameplate
   Bottom of the fan housing inside the suction grille
2. When installing a wireless controller, there will be a receiver on this location. For details, see the drawing of the wireless controller.
3. Do not place any objects under the indoor unit. In case of high humidity (>80%), clogged drain outlets, or dirty air filters, condensate may drop out.

3D106552

FHA71A9



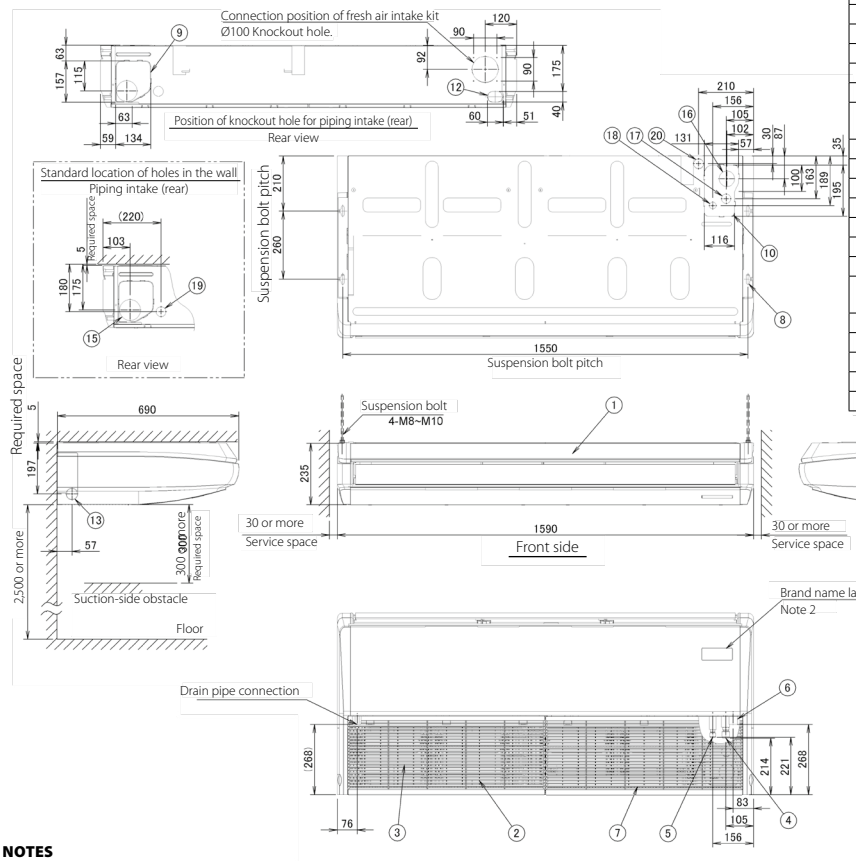
Number	Name	Description
1	Air discharge grille	
2	Air suction grille	
3	Air filter	
4	Gas pipe	Ø15.9 flare
5	Liquid pipe	Ø9.5 flare
6	Drain pipe connection	VP20
7	Terminal block with earth terminal Located inside of the unit	M4
8	Metal hanger	
9	Position of knockout hole	Rear side
10	Position of knockout hole	Top
11	Piping intake (right)	Knockout hole
12	Drain piping intake (left-rear)	Knockout hole
13	Drain piping intake (left)	Knockout hole
14	Drain piping intake (right)	Knockout hole
15	Standard location of holes in the wall Piping intake (rear)	Ø100
16	Drain piping intake (top)	Ø60
17	Gas piping intake (top)	Ø36
18	Liquid piping intake (top)	Ø26
19	Power supply wiring and control wiring intake (rear)	Ø29
20	Power supply wiring and control wiring intake (top)	Ø29

NOTES

1. Location of nameplate
   Bottom of the fan housing inside the suction grille
2. When installing a wireless controller, there will be a receiver on this location. For details, see the drawing of the wireless controller.
3. Do not place any objects under the indoor unit. In case of high humidity (>80%), clogged drain outlets, or dirty air filters, condensate may drop out.

3D109222A

FHA100-140A



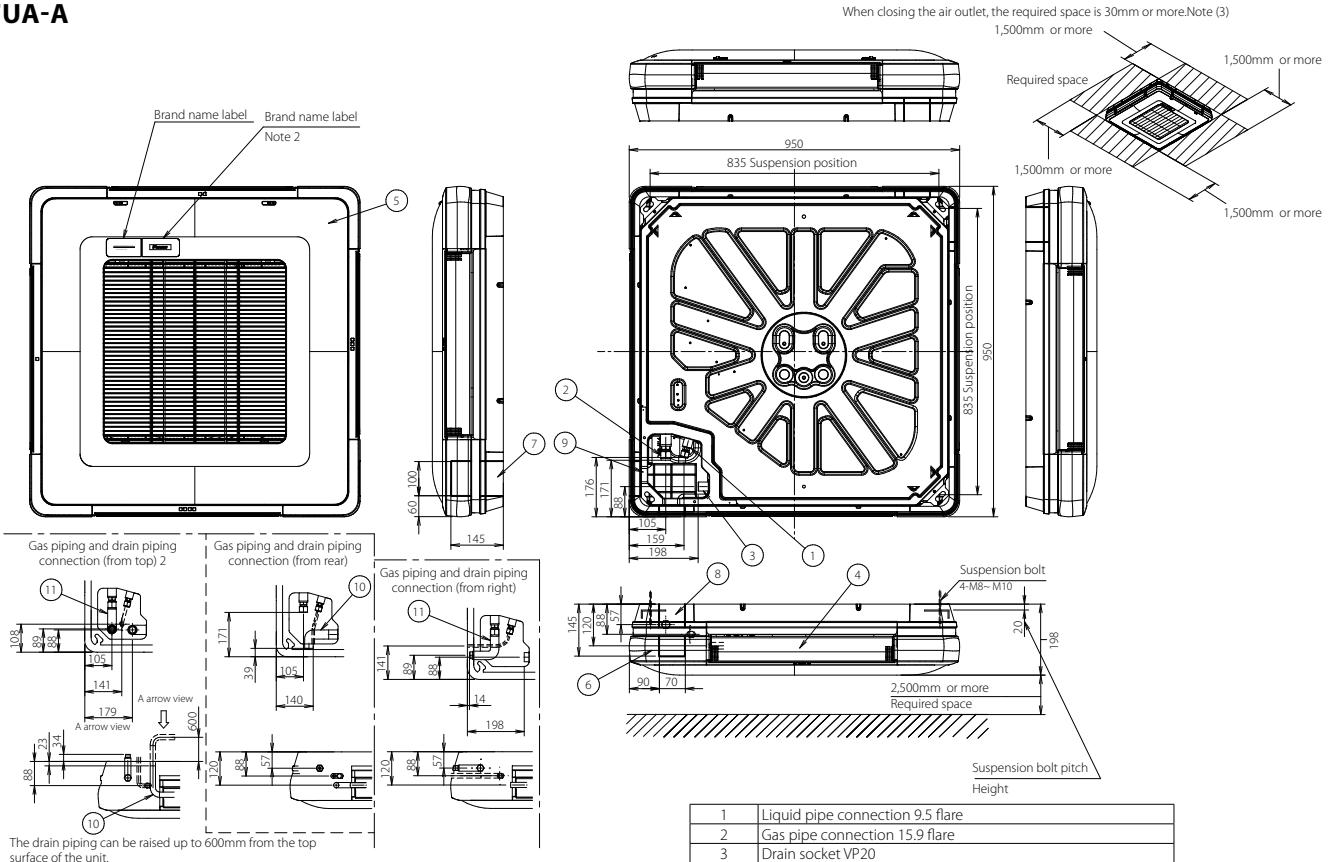
Number	Name	Description
1	Air discharge grille	
2	Air suction grille	
3	Air filter	
4	Gas pipe connection	Ø15.9 flare
5	Liquid pipe connection	Ø9.5 flare
6	Drain pipe connection	VP20
7	Terminal block with earth terminal Located inside of the unit	M4
8	Metal hanger	
9	Position of knockout hole	Rear side
10	Position of knockout hole	Top
11	Piping intake (right)	Knockout hole
12	Drain piping intake (left-rear)	Knockout hole
13	Drain piping intake (left)	Knockout hole
14	Drain piping intake (right)	Knockout hole
15	Standard location of holes in the wall Piping intake (rear)	Ø100
16	Drain piping intake (top)	Ø60
17	Gas piping intake (top)	Ø36
18	Liquid piping intake (top)	Ø26
19	Power supply wiring and control wiring intake (rear)	Ø29
20	Power supply wiring and control wiring intake (top)	Ø29

NOTES

1. Location of nameplate
   Bottom of the fan housing inside the suction grille
2. When installing a wireless controller, there will be a receiver on this location. For details, see the drawing of the wireless controller.
3. Do not place any objects under the indoor unit. In case of high humidity (>80%), clogged drain outlets, or dirty air filters, condensate may drop out.

3D106530B

FUA-A



1	Liquid pipe connection 9.5 flare
2	Gas pipe connection 15.9 flare
3	Drain socket VP20
4	Air discharge outlet
5	Air suction grille
6	Corner decoration cover
7	Piping connection right/ Wiring connection
8	Piping connection Rear/ Wiring connection
9	Pipe cover (top)
10	Drain pipe connection (outside diameter 26)
11	L-type piping kit (upward direction) 15.9 flared connection

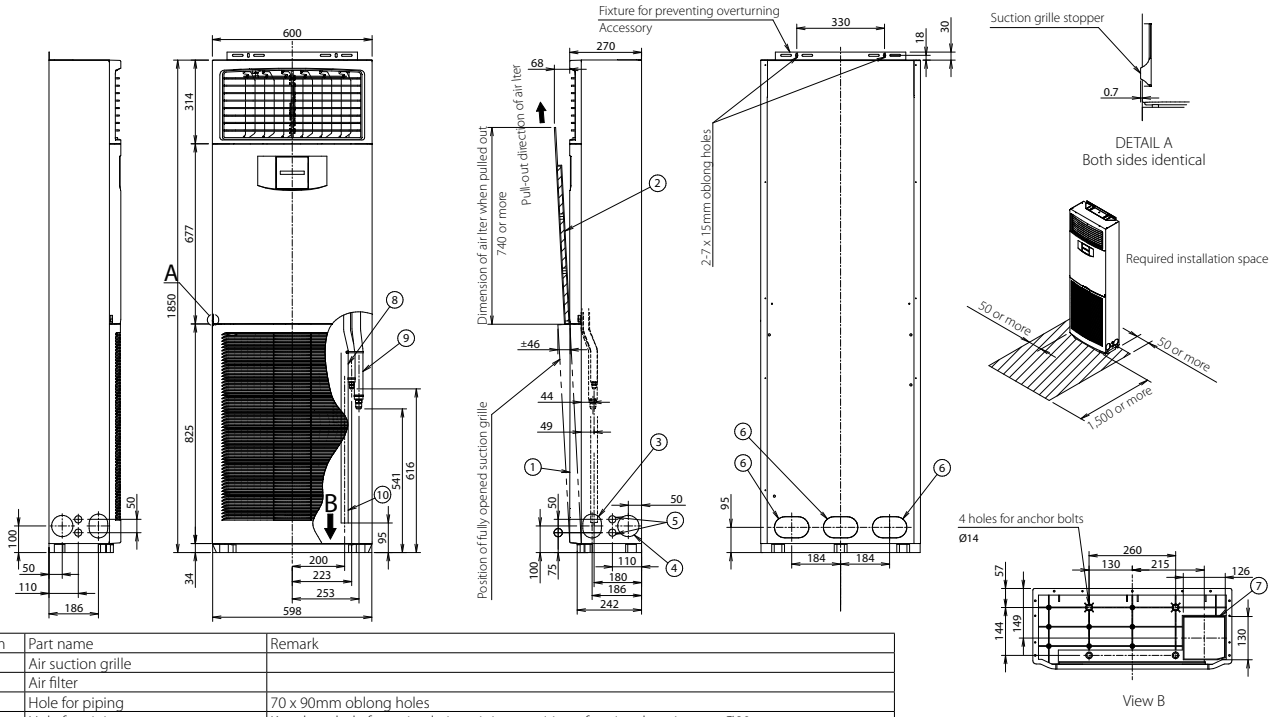
NOTES

1. The unit nameplate is located on the control box cover.
2. When installing a wireless controller, there will be a receiver on this location. For details, see the drawing of the wireless controller.
3. When closing the discharge grille in case of 2-way blow or 3-way blow, there are limitations to the piping connection direction. See the installation manual.
4. Do not place any objects under the indoor unit. In case of high humidity (>80%), clogged drain outlets, or dirty air filters, condensate may drop out.

3D106356

FVA71A

This unit has to be fixed with fixing screws as shown below.
In case of fixing it at the bottom
In case vibration resistance is required, fix it at both the bottom and the rear.



Item	Part name	Remark
1	Air suction grille	
2	Air filter	
3	Hole for piping	70 x 90mm oblong holes
4	Hole for piping	Knockout hole for recirculation piping or wiring of optional equipment Ø80
5	Hole for piping	Knockout hole for recirculation piping or wiring of optional equipment Ø27
6	Piping hole (rear)	80 x 130mm oblong holes
7	Piping hole (bottom)	126 x 130mm oblong holes
8	Liquid pipe	Ø9.5 flared connection
9	Gas pipe	Ø15.9 flared connection
10	Drain pipe connection	VP20

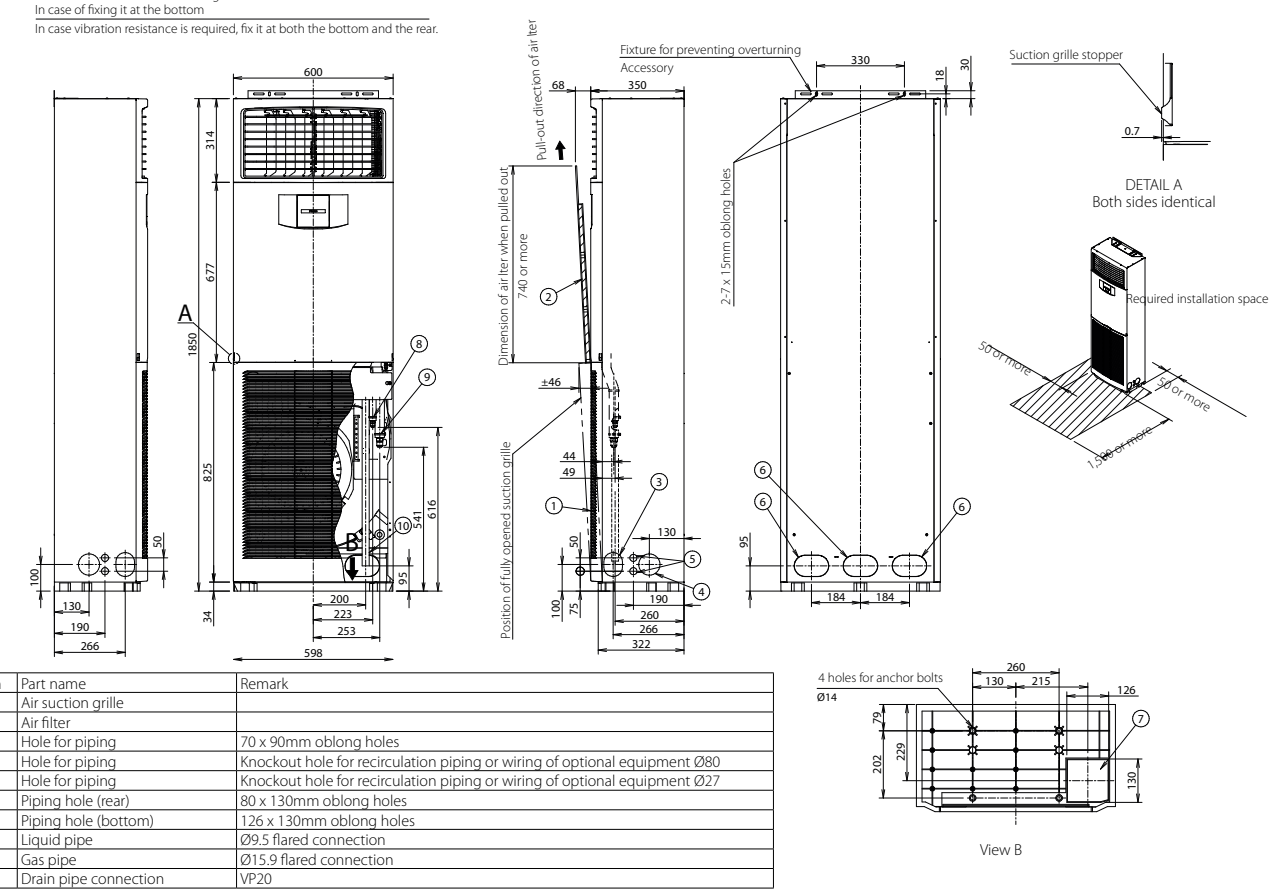
NOTES

1. The unit nameplate is located on the switch box cover, inside the suction grille.

3D110397

FVA100-125-140A

This unit has to be fixed with fixing screws as shown below.
In case of fixing it at the bottom
In case vibration resistance is required, fix it at both the bottom and the rear.



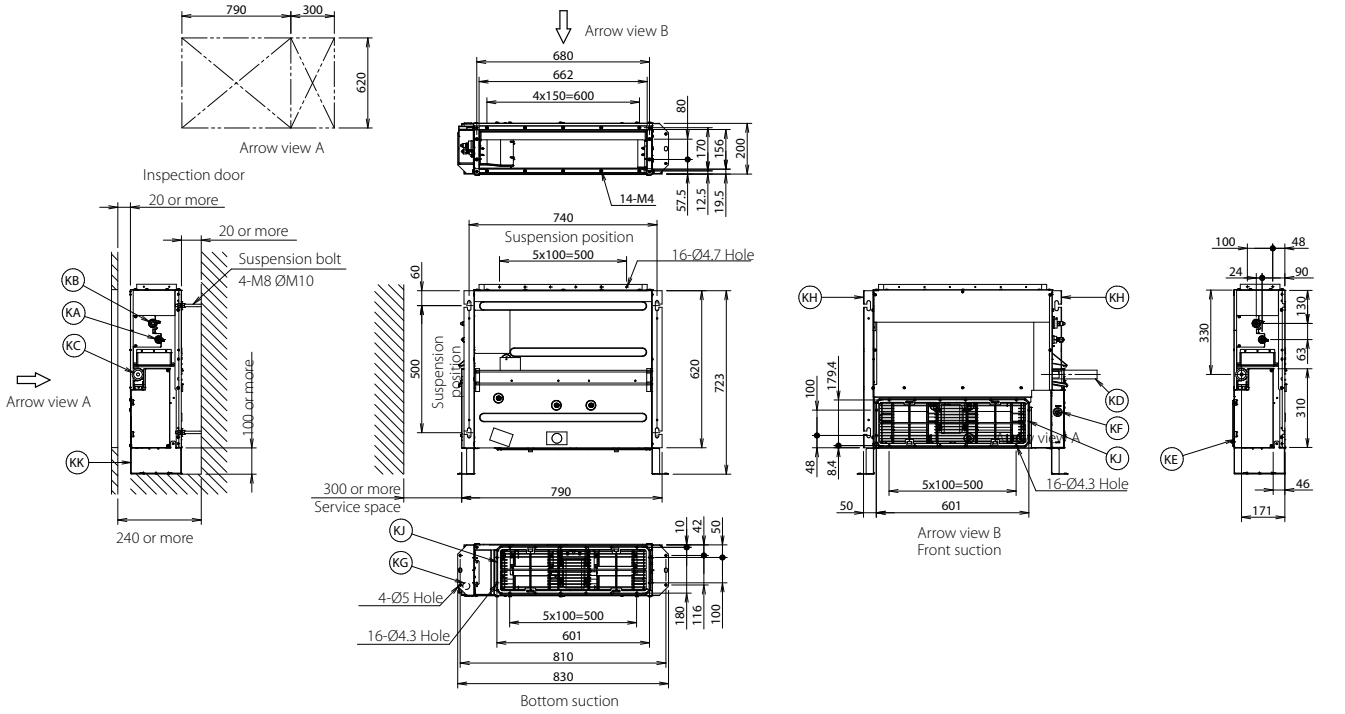
Item	Part name	Remark
1	Air suction grille	
2	Air filter	
3	Hole for piping	70 x 90mm oblong holes
4	Hole for piping	Knockout hole for recirculation piping or wiring of optional equipment Ø80
5	Hole for piping	Knockout hole for recirculation piping or wiring of optional equipment Ø27
6	Piping hole (rear)	80 x 130mm oblong holes
7	Piping hole (bottom)	126 x 130mm oblong holes
8	Liquid pipe	Ø9.5 flared connection
9	Gas pipe	Ø15.9 flared connection
10	Drain pipe connection	VP20

NOTES

1. The unit nameplate is located on the switch box cover, inside the suction grille.

3D110703

FNA25-35A9



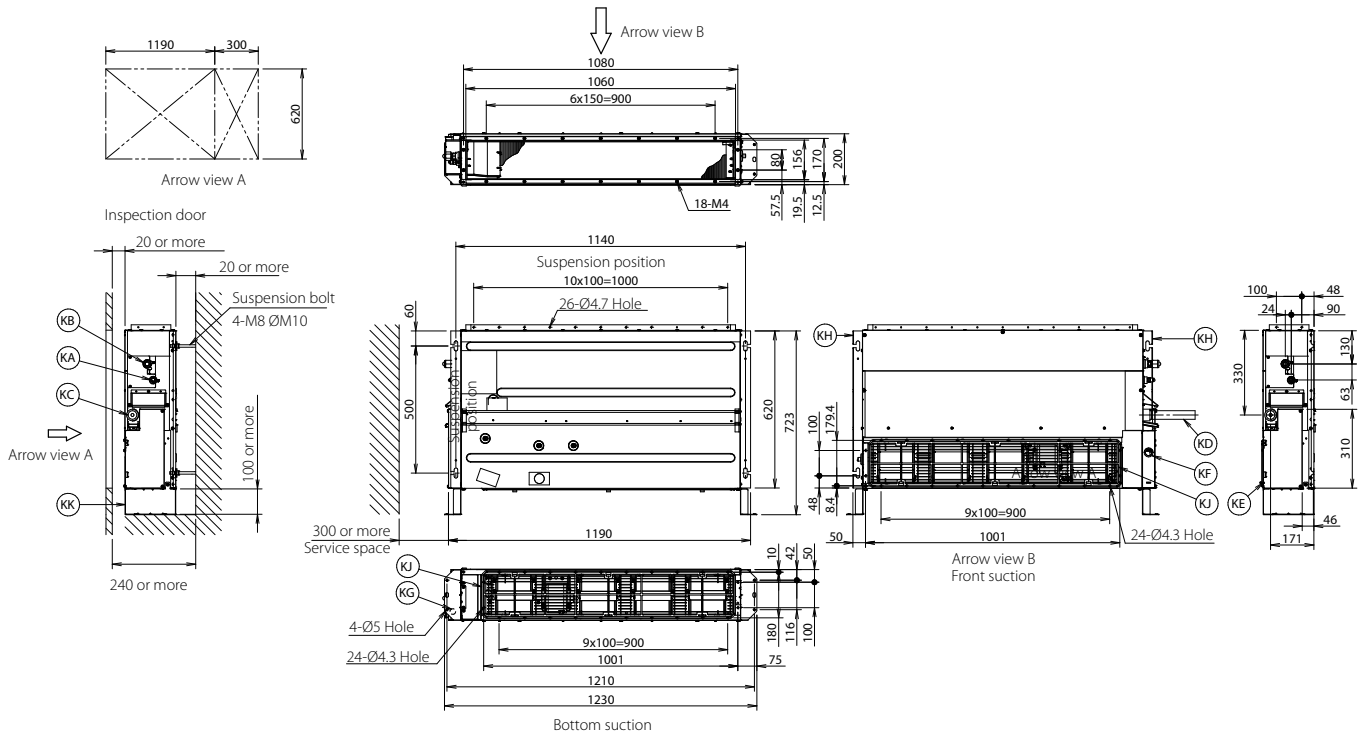
Item	Name	Description
KA	Liquid pipe connection port	Ø6.40 flared connection
KB	Gas pipe connection port	Ø9.50 flared connection
KC	Drain pipe connection	VP20 (OD Ø26, ID Ø20)
KD	Drain hose	ID Ø25
KE	Control box	/
KF	Transmission line	/
KG	Power supply connection	/
KH	Suspension bracket	/
KJ	Air filter	/
KK	Mounting foot	/

NOTES

1. When installing optional accessories, refer to their respective documentation.
2. The ceiling depth varies according to the documentation of the specific system.

3D112885

FNA50-60A9



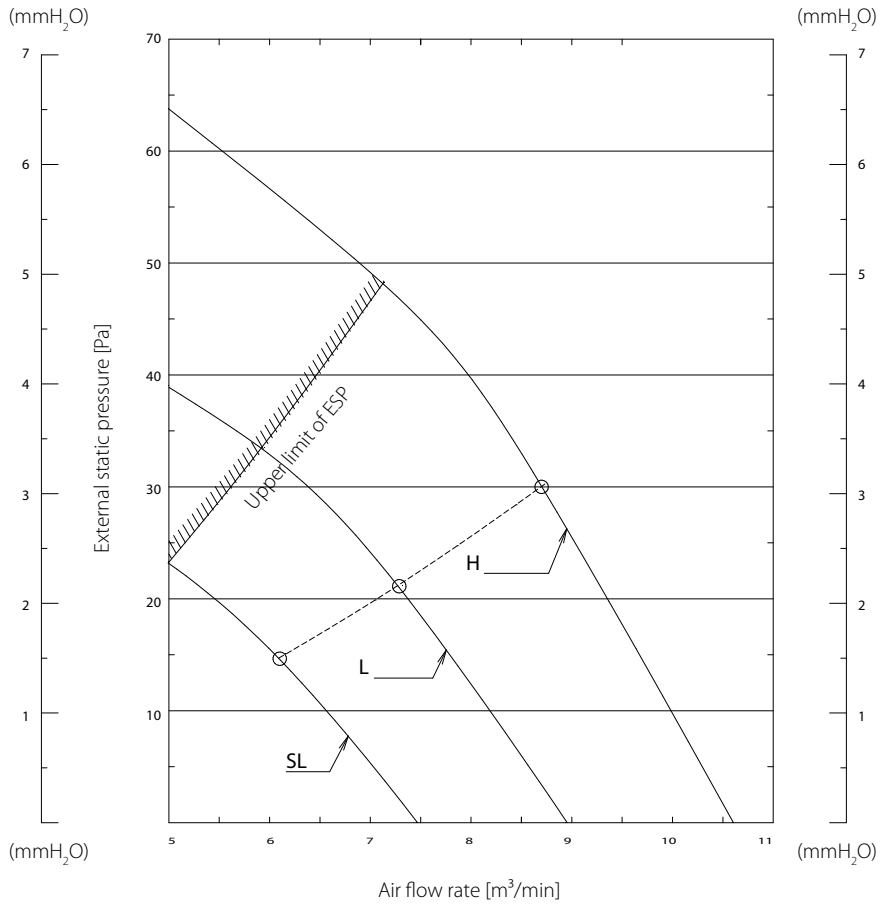
Item	Name	Description
KA	Liquid pipe connection port	Ø6.4 flared connection
KB	Gas pipe connection port	Ø12.70 flared connection
KC	Drain pipe connection	VP20 (OD Ø26, ID Ø20)
KD	Drain hose	ID Ø25
KE	Control box	/
KF	Transmission line	/
KG	Power supply connection	/
KH	Suspension bracket	/
KJ	Air filter	/
KK	Mounting foot	/

NOTES

1. When installing optional accessories, refer to their respective documentation.
2. The ceiling depth varies according to the documentation of the specific system.

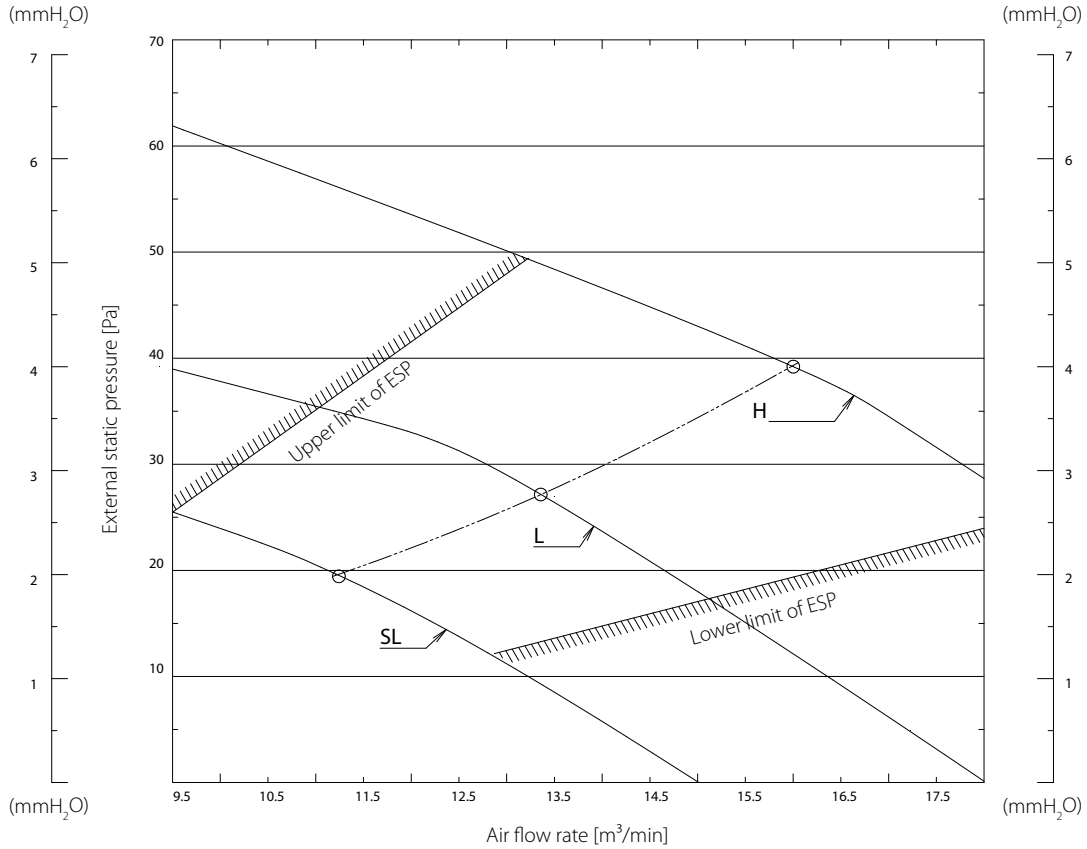
3D112884

FNA25-35A9



3D081327C

FNA50A9



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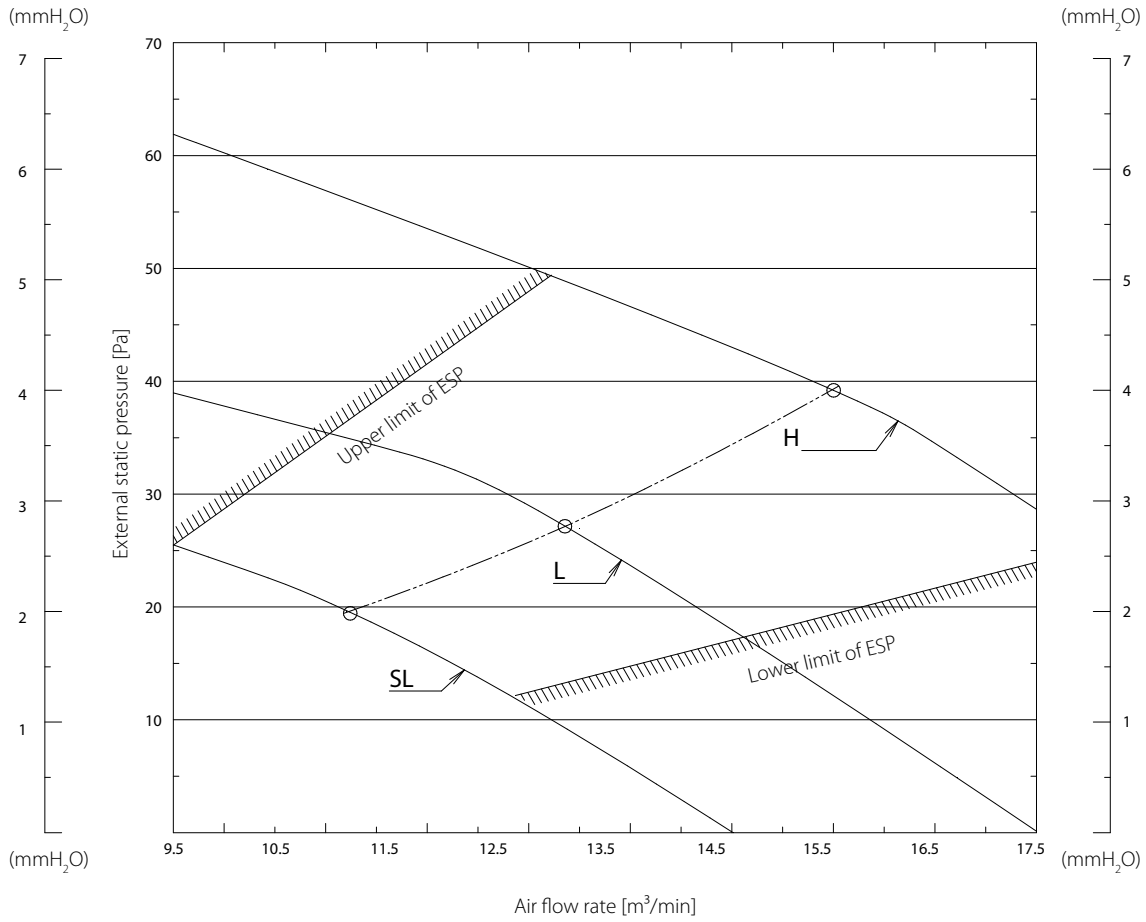

3D081329C

Technical drawings

Outdoor units

CLICK HERE TO VIEW ALL RZAG-A TECHNICAL DRAWINGS ON MY.DAIKIN.EU

RZAG35A

Unit combination restrictions		Power supply					Compressor		OFM		IFM	
Outdoor unit	Indoor unit	Hz	Voltage	Voltage range	MCA	MFA	RHz	RLA	kW	FLA	kW	FLA
RZAG35A2V1B	FDXM35F3V1B9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14.53	16	41	4.9	0.058	0.38	0.034	0.30
		50	230					4.7				
		50	240					4.5				
RZAG35A2V1B	FFA35A2VEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14.43	16	38	4.6	0.058	0.38	0.050	0.20
		50	230					4.4				
		50	240					4.2				
RZAG35A2V1B	FBA35A2VEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	15.63	16	33	3.4	0.058	0.38	0.089	1.40
		50	230					3.3				
		50	240					3.2				
RZAG35A2V1B	FCAG35BVEB	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14.53	16	37	4.3	0.058	0.38	0.048	0.30
		50	230					4.1				
		50	240					3.9				
RZAG35A2V1B	FNA35A2VEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14.73	16	41	4.9	0.058	0.38	0.034	0.50
		50	230					4.7				
		50	240					4.5				
RZAG35A2V1B	FTXM35N2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14.48	16	40	5.1	0.058	0.38	0.028	0.25
		50	230					4.9				
		50	240					4.7				
RZAG35A2V1B	FHA35AVEB98	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14.83	16	36	3.8	0.058	0.38	0.090	0.60
		50	230					3.6				
		50	240					3.5				
RZAG35A2V1B	FDXM50F3V1B9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	15.23	16	41	4.8	0.058	0.38	0.060	0.90
		50	230					4.6				
		50	240					4.4				
RZAG35A2V1B	FFA50A2VEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14.63	16	38	4.6	0.058	0.38	0.050	0.40
		50	230					4.4				
		50	240					4.2				
RZAG35A2V1B	FBA50A2VEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	15.63	16	33	3.4	0.058	0.38	0.089	1.40
		50	230					3.3				
		50	240					3.2				
RZAG35A2V1B	FCAG50BVEB	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14.53	16	37	4.3	0.058	0.38	0.048	0.30
		50	230					4.1				
		50	240					3.9				
RZAG35A2V1B	FNA50A2VEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14.73	16	41	4.8	0.058	0.38	0.060	0.50
		50	230					4.6				
		50	240					4.4				
RZAG35A2V1B	FTXM50N2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14.83	16	40	5.0	0.058	0.38	0.046	0.60
		50	230					4.8				
		50	240					4.6				
RZAG35A2V1B	FHA50AVEB98	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14.83	16	36	3.8	0.058	0.38	0.090	0.60
		50	230					3.6				
		50	240					3.5				
RZAG35A2V1B	FTXM35R2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14.53	16	40	5.1	0.058	0.38	0.030	0.30
		50	230					4.9				
		50	240					4.7				
RZAG35A2V1B	FTXM35R5V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14.53	16	40	5.1	0.058	0.38	0.030	0.30
		50	230					4.9				
		50	240					4.7				
RZAG35A2V1B	FTXM50R2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14.83	16	40	5.0	0.058	0.38	0.046	0.60
		50	230					4.8				
		50	240					4.6				

3D118439E

RZAG50A

Unit combination restrictions		Power supply					Compressor		OFM		IFM	
Outdoor unit	Indoor unit	Hz	Voltage	Voltage range	MCA	MFA	RHz	RLA	kW	FLA	kW	FLA
RZAG50A2V1B	FDXM50F3V1B9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	15.23	16	57	5.4	0.058	0.38	0.060	0.9
		50	230					5.2				
		50	240					5.0				
RZAG50A2V1B	FFA50A2VEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14.63	16	62	5.5	0.058	0.38	0.050	0.4
		50	230					5.2				
		50	240					5.0				
RZAG50A2V1B	FBA50A2VEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	15.63	16	53	6.8	0.058	0.38	0.089	1.4
		50	230					6.5				
		50	240					6.2				
RZAG50A2V1B	FCAG50BVEB	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14.53	16	56	7.3	0.058	0.38	0.048	0.3
		50	230					7.0				
		50	240					6.7				
RZAG50A2V1B	FNA50A2VEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14.73	16	57	5.4	0.058	0.38	0.060	0.5
		50	230					5.2				
		50	240					5.0				
RZAG50A2V1B	FTXM50N2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14.83	16	54	6.5	0.058	0.38	0.046	0.6
		50	230					6.2				
		50	240					5.9				
RZAG50A2V1B	FHA50AVEB98	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14.83	16	52	5.0	0.058	0.38	0.090	0.6
		50	230					4.8				
		50	240					4.6				
RZAG50A2V1B	FDXM60F3V1B9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	15.23	16	57	5.4	0.058	0.38	0.060	0.9
		50	230					5.2				
		50	240					5.0				
RZAG50A2V1B	FFA60A2VEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14.83	16	62	5.5	0.058	0.38	0.050	0.6
		50	230					5.2				
		50	240					5.0				
RZAG50A2V1B	FBA60A2VEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	15.53	16	53	6.9	0.058	0.38	0.070	1.3
		50	230					6.6				
		50	240					6.3				
RZAG50A2V1B	FCAG60BVEB	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14.53	16	56	7.3	0.058	0.38	0.048	0.3
		50	230					7.0				
		50	240					6.7				
RZAG50A2V1B	FNA60A2VEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14.83	16	57	5.4	0.058	0.38	0.060	0.6
		50	230					5.2				
		50	240					5.0				
RZAG50A2V1B	FTXM60N2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14.83	16	54	6.5	0.058	0.38	0.046	0.6
		50	230					6.2				
		50	240					5.9				
RZAG50A2V1B	FHA60AVEB98	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14.83	16	52	5.0	0.058	0.38	0.091	0.6
		50	230					4.8				
		50	240					4.6				
RZAG50A2V1B	FTXM50R2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14.83	16	54	6.5	0.058	0.38	0.046	0.6
		50	230					6.2				
		50	240					5.9				
RZAG50A2V1B	FTXM60R2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14.83	16	54	6.5	0.058	0.38	0.046	0.6
		50	230					6.2				
		50	240					5.9				

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RZAG60A

Unit combination restrictions		Power supply					Compressor		OFM		IFM	
Outdoor unit	Indoor unit	Hz	Voltage	Voltage range	MCA	MFA	RHz	RLA	kW	FLA	kW	FLA
RZAG60A2V1B	FDXM60F3V1B9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	17.10	20	70	7.3	0.058	0.38	0.060	0.9
		50	230					6.9				
		50	240					6.7				
RZAG60A2V1B	FFA60A2VEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	16.70	20	70	9.0	0.058	0.38	0.050	0.6
		50	230					8.6				
		50	240					8.2				
RZAG60A2V1B	FBA60A2VEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	17.40	20	65	7.0	0.058	0.38	0.070	1.3
		50	230					6.7				
		50	240					6.4				
RZAG60A2V1B	FCAG60BVEB	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	16.40	20	72	7.5	0.058	0.38	0.048	0.3
		50	230					7.2				
		50	240					6.9				
RZAG60A2V1B	FNA60A2VEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	16.70	20	70	9.0	0.058	0.38	0.060	0.6
		50	230					8.6				
		50	240					8.3				
RZAG60A2V1B	FTXM60N2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	16.70	20	71	8.4	0.058	0.38	0.046	0.6
		50	230					8.1				
		50	240					7.7				
RZAG60A2V1B	FHA60AVEB98	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	16.70	20	67	8.1	0.058	0.38	0.091	0.6
		50	230					7.7				
		50	240					7.4				
RZAG60A2V1B	FBA71A2VEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	17.40	20	65	8.9	0.058	0.38	0.070	1.3
		50	230					8.5				
		50	240					8.1				
RZAG60A2V1B	FCAG71BVEB	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	16.40	20	72	7.5	0.058	0.38	0.054	0.3
		50	230					7.2				
		50	240					6.9				
RZAG60A2V1B	FTXM71N2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	16.70	20	71	8.4	0.058	0.38	0.052	0.6
		50	230					8.0				
		50	240					7.7				
RZAG60A2V1B	FHA71AVEB98	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	16.90	20	67	8.1	0.058	0.38	0.110	0.8
		50	230					7.7				
		50	240					7.4				
RZAG60A2V1B	FTXM60R2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	16.70	20	71	8.4	0.058	0.38	0.046	0.6
		50	230					8.1				
		50	240					7.7				
RZAG60A2V1B	FTXM71R2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	16.70	20	71	8.4	0.058	0.38	0.052	0.6
		50	230					8.0				
		50	240					7.7				

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RZAG-A

Symbols		
MCA	Minimum Circuit Ampere	[A]
MFA	Maximum Fuse Ampere	[A]
RLA	Rated load amps	[A]
OFM	Outdoor fan motor	
IFM	Indoor fan motor	
FLA	Full Load Ampere	[A]
kW	Fan motor rated output	[kW]
RHz	Rated operating frequency	[Hz]

Notes

1 The RLA is based on the following conditions.
Outdoor temperature 35°C DB
Indoor temperature 27°C DB / 19°C WB
2 Select the wire size according to the MCA.
3 The maximum allowable voltage that is unbalanced between phases is 2%.
4 Use a circuit breaker instead of a fuse.

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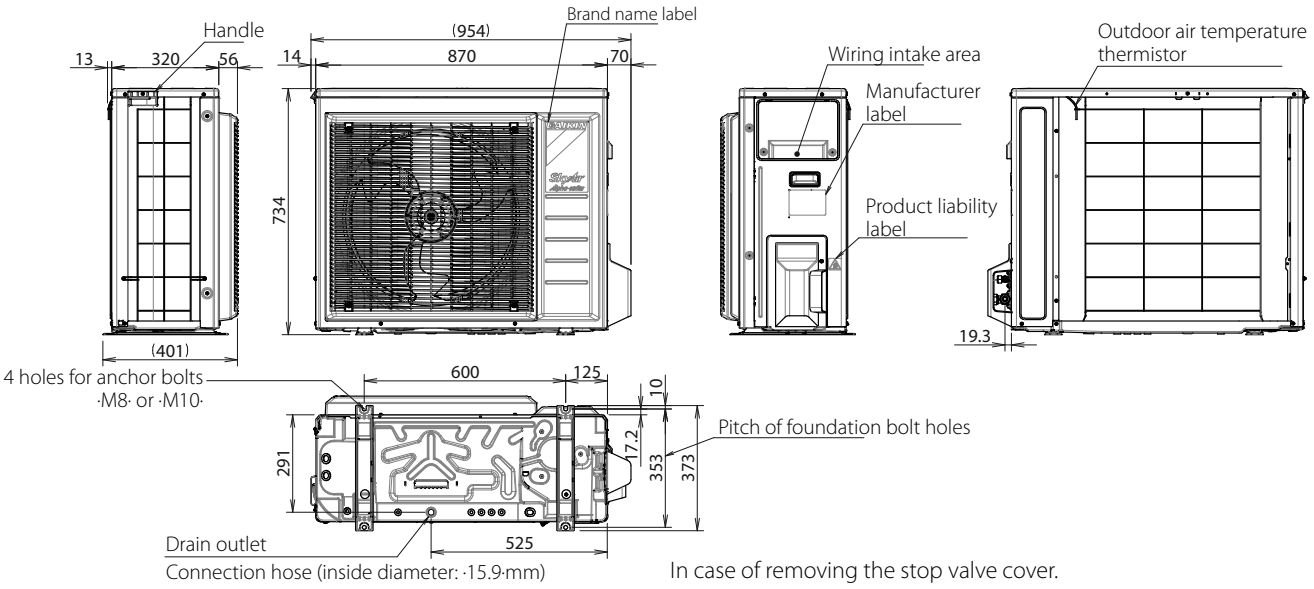
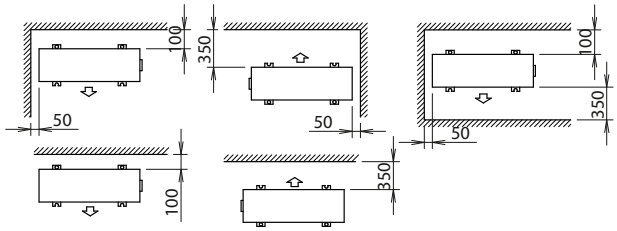
RZAG35A

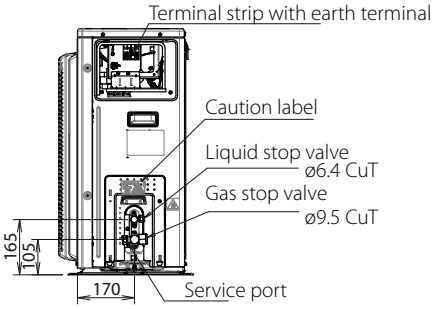


In case of removing the stop valve cover.

Minimum space for air passage



Wall height on air outlet side < 1,200 mm



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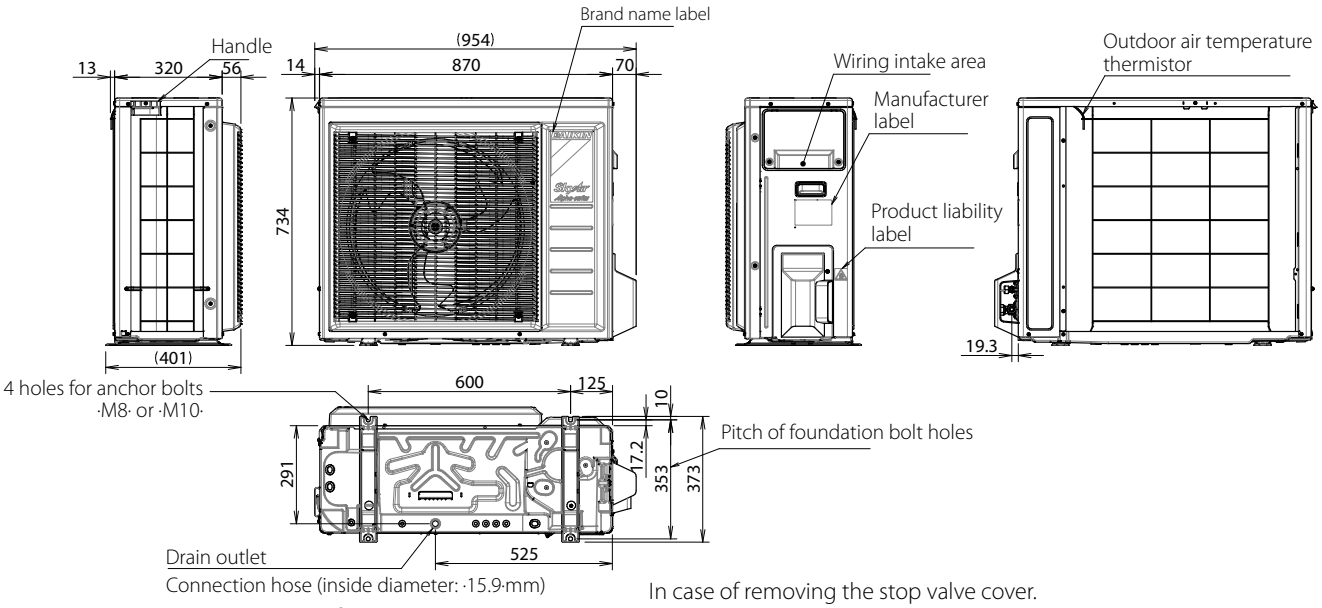
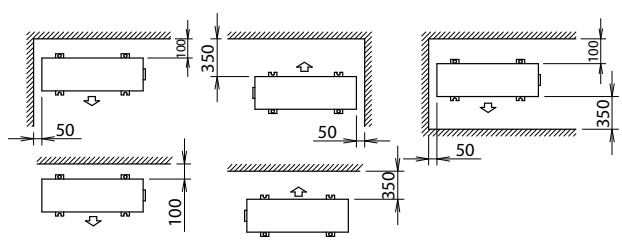
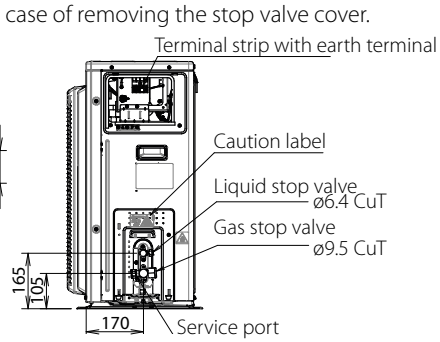


In case of removing the stop valve cover.

Minimum space for air passage



Wall height on air outlet side < 1,200 mm



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RZAG71-100NV1 COMFORT COOLING

								Compressor		OFM		IFM	
Indoor		Outdoor	Power supply	Voltage range		MCA	TOCA	MFA	MSC	RLA	kW	FLA	kW	FLA
FCAHG71HVEB		RZAG71N7V1B	50Hz ~ 220-240V	Minimum: ·198 V·	Maximum ·264 V·	17.7	–	20	–	15.5	0.234	0.8	0.091	0.7
FCAG35BVEB	x2	RZAG71N7V1B				17.6	–	20	–	15.5	0.234	0.8	0.044 x2	0.3 x2
FCAG71BVEB		RZAG71N7V1B				17.4	–	20	–	15.5	0.234	0.8	0.054	0.4
FFA35A2VEB	x2	RZAG71N7V1B				17.4	–	20	–	15.5	0.234	0.8	0.050 x2	0.2 x2
FBA35A2VEB	x2	RZAG71N7V1B				19.9	–	20	–	15.5	0.234	0.8	0.089 x2	1.4 x2
FBA71A2VEB		RZAG71N7V1B				18.3	–	20	–	15.5	0.234	0.8	0.070	1.3
FNA35A2VEB	x2	RZAG71N7V1B				18.0	–	20	–	15.5	0.234	0.8	0.034 x2	0.5 x2
FUA71AVEB9		RZAG71N7V1B				17.9	–	20	–	15.5	0.234	0.8	0.046	0.9
FAA71BUV1B		RZAG71N7V1B				17.5	–	20	–	15.5	0.234	0.8	0.048	0.5
FVA71AMVEB		RZAG71N7V1B				17.8	–	20	–	15.5	0.234	0.8	0.117	0.8
FDXM35F3V1B	x2	RZAG71N7V1B				17.6	–	20	–	15.5	0.234	0.8	0.034 x2	0.3 x2
FHA35AVEB98	x2	RZAG71N7V1B				18.2	–	20	–	15.5	0.234	0.8	0.060 x2	0.6 x2
FHA71AVEB98		RZAG71N7V1B				17.8	–	20	–	15.5	0.234	0.8	0.110	0.8
FCAHG100HVEB		RZAG100N7V1B	50Hz ~ 220-240V	Minimum: ·198 V·	Maximum ·264 V·	22.2	–	32	–	18.8	0.234	1.2	0.221	1.3
FCAG35BVEB	x3	RZAG100N7V1B				21.7	–	32	–	18.8	0.234	1.2	0.044 x3	0.3 x3
FCAG50BVEB	x2	RZAG100N7V1B				21.4	–	32	–	18.8	0.234	1.2	0.039 x2	0.3 x2
FCAG100BVEB		RZAG100N7V1B				21.5	–	32	–	18.8	0.234	1.2	0.117	0.7
FFA35A2VEB	x3	RZAG100N7V1B				21.4	–	32	–	18.8	0.234	1.2	0.050 x3	0.2 x3
FFA50A2VEB	x2	RZAG100N7V1B				21.6	–	32	–	18.8	0.234	1.2	0.050 x2	0.4 x2
FBA35A2VEB	x3	RZAG100N7V1B				25.2	–	32	–	18.8	0.234	1.2	0.089 x3	1.4 x3
FBA50A2VEB	x2	RZAG100N7V1B				23.7	–	32	–	18.8	0.234	1.2	0.089 x2	1.4 x2
FBA100A2VEB		RZAG100N7V1B				24.4	–	32	–	18.8	0.234	1.2	0.127	3.5
FNA35A2VEB	x3	RZAG100N7V1B				22.4	–	32	–	18.8	0.234	1.2	0.034 x3	0.5 x3
FNA50A2VEB	x2	RZAG100N7V1B				21.8	–	32	–	18.8	0.234	1.2	0.060 x2	0.5 x2
FUA100AVEB9		RZAG100N7V1B				22.2	–	32	–	18.8	0.234	1.2	0.106	1.3
FAA100BUV1B		RZAG100N7V1B				21.7	–	32	–	18.8	0.234	1.2	0.064	0.5
FVA100AMVEB		RZAG100N7V1B				22.4	–	32	–	18.8	0.234	1.2	0.238	1.5
FDXM35F3V1B	x3	RZAG100N7V1B				21.7	–	32	–	18.8	0.234	1.2	0.034 x3	0.3 x3
FDXM50F3V1B	x2	RZAG100N7V1B				22.7	–	32	–	18.8	0.234	1.2	0.060 x2	0.9 x2
FHA35AVEB98	x3	RZAG100N7V1B				22.7	–	32	–	18.8	0.234	1.2	0.060 x3	0.6 x3
FHA50AVEB98	x2	RZAG100N7V1B				22.0	–	32	–	18.8	0.234	1.2	0.060 x2	0.6 x2
FHA100AVEB8		RZAG100N7V1B				22.2	–	32	–	18.8	0.234	1.2	0.172	1.3

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RZAG125-140NV1 COMFORT COOLING

								Compressor		OFM		IFM	
Indoor		Outdoor	Power supply	Voltage range		MCA	TOCA	MFA	MSC	RLA	kW	FLA	kW	FLA
FCAHG125HVEB		RZAG125N7V1B	50Hz ~ 220-240V	Minimum: ·198 V·	Maximum ·264 V·	27.5	–	32	–	23.8	0.234	1.2	0.244	1.4
FCAG35BVEB	x4	RZAG125N7V1B				27.2	–	32	–	23.8	0.234	1.2	0.044 x4	0.3 x4
FCAG50BVEB	x3	RZAG125N7V1B				26.9	–	32	–	23.8	0.234	1.2	0.039 x3	0.3 x3
FCAG60BVEB	x2	RZAG125N7V1B				26.6	–	32	–	23.8	0.234	1.2	0.044 x2	0.3 x2
FCAG125BVEB		RZAG125N7V1B				27.0	–	32	–	23.8	0.234	1.2	0.168	1.0
FFA35A2VEB	x4	RZAG125N7V1B				26.8	–	32	–	23.8	0.234	1.2	0.050 x4	0.2 x4
FFA50A2VEB	x3	RZAG125N7V1B				27.2	–	32	–	23.8	0.234	1.2	0.050 x3	0.4 x3
FFA60A2VEB	x2	RZAG125N7V1B				27.2	–	32	–	23.8	0.234	1.2	0.050 x2	0.6 x2
FBA35A2VEB	x4	RZAG125N7V1B				31.8	–	32	–	23.8	0.234	1.2	0.089 x4	1.4 x4
FBA50A2VEB	x3	RZAG125N7V1B				30.4	–	32	–	23.8	0.234	1.2	0.089 x3	1.4 x3
FBA60A2VEB	x2	RZAG125N7V1B				28.7	–	32	–	23.8	0.234	1.2	0.070 x2	1.3 x2
FBA125A2VEB		RZAG125N7V1B				30.1	–	32	–	23.8	0.234	1.2	0.187	3.9
FNA35A2VEB	x4	RZAG125N7V1B				28.1	–	32	–	23.8	0.234	1.2	0.034 x4	0.5 x4
FNA50A2VEB	x3	RZAG125N7V1B				27.6	–	32	–	23.8	0.234	1.2	0.060 x3	0.5 x3
FNA60A2VEB	x2	RZAG125N7V1B				27.2	–	32	–	23.8	0.234	1.2	0.060 x2	0.6 x2
FUA125AVEB9		RZAG125N7V1B				27.5	–	32	–	23.8	0.234	1.2	0.106	1.4
FDA125A5VEB		RZAG125N7V1B				28.2	–	32	–	23.8	0.234	1.2	0.350	2.1
FVA125AMVEB		RZAG125N7V1B				27.6	–	32	–	23.8	0.234	1.2	0.238	1.5
FDXM35F3V1B	x4	RZAG125N7V1B				27.2	–	32	–	23.8	0.234	1.2	0.034 x4	0.3 x4
FDXM50F3V1B	x3	RZAG125N7V1B				28.8	–	32	–	23.8	0.234	1.2	0.060 x3	0.9 x3
FDXM60F3V1B	x2	RZAG125N7V1B				27.9	–	32	–	23.8	0.234	1.2	0.060 x2	0.9 x2
FHA35AVEB98	x4	RZAG125N7V1B				28.5	–	32	–	23.8	0.234	1.2	0.060 x4	0.6 x4
FHA50AVEB98	x3	RZAG125N7V1B				27.9	–	32	–	23.8	0.234	1.2	0.060 x3	0.6 x3
FHA60AVEB98	x2	RZAG125N7V1B				27.2	–	32	–	23.8	0.234	1.2	0.091 x2	0.6 x2
FHA125AVEB9		RZAG125N7V1B				27.6	–	32	–	23.8	0.234	1.2	0.150	1.5
FCAHG71HVEB	x2	RZAG140N7V1B	50Hz ~ 220-240V	Minimum: ·198 V·	Maximum ·264 V·	27.5	–	32	–	23.6	0.234	1.4	0.091 x2	0.7 x2
FCAHG140HVEB		RZAG140N7V1B				27.5	–	32	–	23.6	0.234	1.4	0.244	1.4
FCAG35BVEB	x4	RZAG140N7V1B				27.2	–	32	–	23.6	0.234	1.4	0.044 x4	0.3 x4
FCAG50BVEB	x3	RZAG140N7V1B				26.9	–	32	–	23.6	0.234	1.4	0.039 x3	0.3 x3
FCAG71BVEB	x2	RZAG140N7V1B				26.8	–	32	–	23.6	0.234	1.4	0.054 x2	0.4 x2
FCAG140BVEB		RZAG140N7V1B				27.4	–	32	–	23.6	0.234	1.4	0.168	1.3
FFA35A2VEB	x4	RZAG140N7V1B				26.8	–	32	–	23.6	0.234	1.4	0.050 x4	0.2 x4
FFA50A2VEB	x3	RZAG140N7V1B				27.2	–	32	–	23.6	0.234	1.4	0.050 x3	0.4 x3
FBA35A2VEB	x4	RZAG140N7V1B				31.8	–	32	–	23.6	0.234	1.4	0.089 x4	1.4 x4
FBA50A2VEB	x3	RZAG140N7V1B				30.4	–	32	–	23.6	0.234	1.4	0.089 x3	1.4 x3
FBA71A2VEB	x2	RZAG140N7V1B				28.7	–	32	–	23.6	0.234	1.4	0.070 x2	1.3 x2
FBA140A2VEB		RZAG140N7V1B				30.1	–	32	–	23.6	0.234	1.4	0.187	3.9
FNA35A2VEB	x4	RZAG140N7V1B				28.1	–	32	–	23.6	0.234	1.4	0.034 x4	0.5 x4
FNA50A2VEB	x3	RZAG140N7V1B				27.6	–	32	–	23.6	0.234	1.4	0.060 x3	0.5 x3
FUA71AVEB9	x2	RZAG140N7V1B				27.9	–	32	–	23.6	0.234	1.4	0.046 x2	0.9 x2
FAA71BUV1B	x2	RZAG140N7V1B				27.0	–	32	–	23.6	0.234	1.4	0.048 x2	0.5 x2
FVA71AMVEB	x2	RZAG140N7V1B				27.7	–	32	–	23.6	0.234	1.4	0.117 x2	0.8 x2
FVA140AMVEB		RZAG140N7V1B				27.9	–	32	–	23.6	0.234	1.4	0.276	1.8
FDXM35F3V1B	x4	RZAG140N7V1B				27.2	–	32	–	23.6	0.234	1.4	0.034 x4	0.3 x4
FDXM50F3V1B	x3	RZAG140N7V1B				28.8	–	32	–	23.6	0.234	1.4	0.060 x3	0.9 x3
FHA35AVEB98	x4	RZAG140N7V1B				28.5	–	32	–	23.6	0.234	1.4	0.090 x4	0.6 x4
FHA50AVEB98	x3	RZAG140N7V1B				27.9	–	32	–	23.6	0.234	1.4	0.090 x3	0.6 x3
FHA71AVEB98	x2	RZAG140N7V1B				27.7	–	32	–	23.6	0.234	1.4	0.110 x2	0.8 x2
FHA140AVEB8		RZAG140N7V1B				27.9	–	32	–	23.6	0.234	1.4	0.251	1.8

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RZAG71-100NY1 COMFORT COOLING

								Compressor		OFM		IFM	
Indoor		Outdoor	Power supply	Voltage range		MCA	TOCA	MFA	MSC	RLA	kW	FLA	kW	FLA
FCAHG71HVEB		RZAG71N7Y1B	3N~ 50Hz 380-415V	Minimum: ·342 V·	Maximum ·457 V·	11.1	–	16	–	9.2	0.234	0.8	0.091	0.7
FCAG35BVEB	x2	RZAG71N7Y1B				11.0	–	16	–	9.2	0.234	0.8	0.044 x2	0.3 x2
FCAG71BVEB		RZAG71N7Y1B				10.8	–	16	–	9.2	0.234	0.8	0.054	0.4
FFA35A2VEB	x2	RZAG71N7Y1B				10.8	–	16	–	9.2	0.234	0.8	0.050 x2	0.2 x2
FBA35A2VEB	x2	RZAG71N7Y1B				13.2	–	16	–	9.2	0.234	0.8	0.089 x2	1.4 x2
FBA71A2VEB		RZAG71N7Y1B				11.7	–	16	–	9.2	0.234	0.8	0.070	1.3
FNA35A2VEB	x2	RZAG71N7Y1B				11.4	–	16	–	9.2	0.234	0.8	0.034 x2	0.5 x2
FUA71AVEB9		RZAG71N7Y1B				11.3	–	16	–	9.2	0.234	0.8	0.046	0.9
FAA71BUV1B		RZAG71N7Y1B				10.9	–	16	–	9.2	0.234	0.8	0.048	0.5
FVA71AMVEB		RZAG71N7Y1B				11.2	–	16	–	9.2	0.234	0.8	0.117	0.8
FDXM35F3V1B	x2	RZAG71N7Y1B				11.0	–	16	–	9.2	0.234	0.8	0.034 x2	0.3 x2
FHA35AVEB98	x2	RZAG71N7Y1B				11.6	–	16	–	9.2	0.234	0.8	0.090 x2	0.6 x2
FHA71AVEB98		RZAG71N7Y1B				11.2	–	16	–	9.2	0.234	0.8	0.110	0.8
FCAHG100HVEB		RZAG100N7Y1B	3N~ 50Hz 380-415V	Minimum: ·342 V·	Maximum ·457 V·	14.9	–	16	–	11.8	0.234	1.2	0.221	1.3
FCAG35BVEB	x3	RZAG100N7Y1B				13.0	–	16	–	10.4	0.234	1.2	0.044 x3	0.3 x3
FCAG50BVEB	x2	RZAG100N7Y1B				12.7	–	16	–	10.4	0.234	1.2	0.039 x2	0.3 x2
FCAG100BVEB		RZAG100N7Y1B				14.2	–	16	–	11.8	0.234	1.2	0.117	0.7
FFA35A2VEB	x3	RZAG100N7Y1B				12.7	–	16	–	10.4	0.234	1.2	0.050 x3	0.2 x3
FFA50A2VEB	x2	RZAG100N7Y1B				12.9	–	16	–	10.4	0.234	1.2	0.050 x2	0.4 x2
FBA35A2VEB	x3	RZAG100N7Y1B				16.3	–	16	–	10.4	0.234	1.2	0.089 x3	1.4 x3
FBA50A2VEB	x2	RZAG100N7Y1B				14.9	–	16	–	10.4	0.234	1.2	0.089 x2	1.4 x2
FBA100A2VEB		RZAG100N7Y1B				17.0	–	16	–	11.8	0.234	1.2	0.127	3.5
FNA35A2VEB	x3	RZAG100N7Y1B				13.6	–	16	–	10.4	0.234	1.2	0.034 x3	0.5 x3
FNA50A2VEB	x2	RZAG100N7Y1B				13.1	–	16	–	10.4	0.234	1.2	0.060 x2	0.5 x2
FUA100AVEB9		RZAG100N7Y1B				14.9	–	16	–	11.8	0.234	1.2	0.106	1.3
FAA100BUV1B		RZAG100N7Y1B				14.4	–	16	–	11.8	0.234	1.2	0.064	0.9
FVA100AMVEB		RZAG100N7Y1B				15.1	–	16	–	11.8	0.234	1.2	0.238	1.5
FDXM35F3V1B	x3	RZAG100N7Y1B				13.0	–	16	–	10.4	0.234	1.2	0.034 x3	0.3 x3
FDXM50F3V1B	x2	RZAG100N7Y1B				13.9	–	16	–	10.4	0.234	1.2	0.060 x2	0.9 x2
FHA35AVEB98	x3	RZAG100N7Y1B				13.9	–	16	–	10.4	0.234	1.2	0.090 x3	0.6 x3
FHA50AVEB98	x2	RZAG100N7Y1B				13.3	–	16	–	10.4	0.234	1.2	0.090 x2	0.6 x2
FHA100AVEB8		RZAG100N7Y1B				14.9	–	16	–	11.8	0.234	1.2	0.172	1.3

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RZAG125-140NY1 COMFORT COOLING

								Compressor		OFM		IFM	
Indoor		Outdoor	Power supply	Voltage range		MCA	TOCA	MFA	MSC	RLA	kW	FLA	kW	FLA
FCAHG125HVEB		RZAG125N7Y1B	3N~ 50Hz 380-415V	Minimum: ·342 V·	Maximum ·457 V·	15.0	–	16	–	11.8	0.234	1.2	0.244	1.4
FCAG35BVEB	x4	RZAG125N7Y1B				12.2	–	16	–	9.3	0.234	1.2	0.044 x4	0.3 x4
FCAG50BVEB	x3	RZAG125N7Y1B				12.9	–	16	–	10.3	0.234	1.2	0.039 x3	0.3 x3
FCAG60BVEB	x2	RZAG125N7Y1B				14.1	–	16	–	11.8	0.234	1.2	0.044 x2	0.3 x2
FCAG125BVEB		RZAG125N7Y1B				14.6	–	16	–	11.8	0.234	1.2	0.168	1.0
FFA35A2VEB	x4	RZAG125N7Y1B				11.8	–	16	–	9.3	0.234	1.2	0.050 x4	0.2 x4
FFA50A2VEB	x3	RZAG125N7Y1B				13.2	–	16	–	10.3	0.234	1.2	0.050 x3	0.4 x3
FFA60A2VEB	x2	RZAG125N7Y1B				14.8	–	16	–	11.8	0.234	1.2	0.050 x2	0.6 x2
FBA35A2VEB	x4	RZAG125N7Y1B				16.5	–	16	–	9.3	0.234	1.2	0.089 x4	1.4 x4
FBA50A2VEB	x3	RZAG125N7Y1B				16.2	–	16	–	10.3	0.234	1.2	0.089 x3	1.4 x3
FBA60A2VEB	x2	RZAG125N7Y1B				16.1	–	16	–	11.8	0.234	1.2	0.070 x2	1.3 x2
FBA125A2VEB		RZAG125N7Y1B				17.4	–	16	–	11.8	0.234	1.2	0.187	3.9
FNA35A2VEB	x4	RZAG125N7Y1B				13.0	–	16	–	9.3	0.234	1.2	0.034 x4	0.5 x4
FNA50A2VEB	x3	RZAG125N7Y1B				13.5	–	16	–	10.3	0.234	1.2	0.060 x3	0.5 x3
FNA60A2VEB	x2	RZAG125N7Y1B				14.8	–	16	–	11.8	0.234	1.2	0.060 x2	0.6 x2
FUA125AVEB9		RZAG125N7Y1B				15.0	–	16	–	11.8	0.234	1.2	0.106	1.4
FDA125A5VEB		RZAG125N7Y1B				15.7	–	16	–	11.8	0.234	1.2	0.350	2.1
FVA125AMVEB		RZAG125N7Y1B				15.1	–	16	–	11.8	0.234	1.2	0.238	1.5
FDXM35F3V1B	x4	RZAG125N7Y1B				12.2	–	16	–	9.3	0.234	1.2	0.034 x4	0.3 x4
FDXM50F3V1B	x3	RZAG125N7Y1B				14.8	–	16	–	10.3	0.234	1.2	0.060 x3	0.9 x3
FDXM60F3V1B	x2	RZAG125N7Y1B				15.4	–	16	–	11.8	0.234	1.2	0.060 x2	0.9 x2
FHA35AVEB98	x4	RZAG125N7Y1B				13.4	–	16	–	9.3	0.234	1.2	0.090 x4	0.6 x4
FHA50AVEB98	x3	RZAG125N7Y1B				13.8	–	16	–	10.3	0.234	1.2	0.090 x3	0.6 x3
FHA60AVEB98	x2	RZAG125N7Y1B				14.8	–	16	–	11.8	0.234	1.2	0.091 x2	0.6 x2
FHA125AVEB8		RZAG125N7Y1B				15.1	–	16	–	11.8	0.234	1.2	0.217	1.5
FCAHG71HVEB	x2	RZAG140N7Y1B	3N~ 50Hz 380-415V	Minimum: ·342 V·	Maximum ·457 V·	15.0	–	16	–	11.6	0.234	1.4	0.091 x2	0.7 x2
FCAHG140HVEB		RZAG140N7Y1B				15.0	–	16	–	11.6	0.234	1.4	0.244	1.4
FCAG35BVEB	x4	RZAG140N7Y1B				12.2	–	16	–	9.1	0.234	1.4	0.044 x4	0.3 x4
FCAG50BVEB	x3	RZAG140N7Y1B				12.9	–	16	–	10.1	0.234	1.4	0.039 x3	0.3 x3
FCAG71BVEB	x2	RZAG140N7Y1B				14.4	–	16	–	11.6	0.234	1.4	0.054 x2	0.4 x2
FCAG140BVEB		RZAG140N7Y1B				14.9	–	16	–	11.6	0.234	1.4	0.168	1.3
FFA35A2VEB	x4	RZAG140N7Y1B				11.8	–	16	–	9.1	0.234	1.4	0.050 x4	0.2 x4
FFA50A2VEB	x3	RZAG140N7Y1B				13.2	–	16	–	10.1	0.234	1.4	0.050 x3	0.4 x3
FBA35A2VEB	x4	RZAG140N7Y1B				16.5	–	16	–	9.1	0.234	1.4	0.089 x4	1.4 x4
FBA50A2VEB	x3	RZAG140N7Y1B				16.2	–	16	–	10.1	0.234	1.4	0.089 x3	1.4 x3
FBA71A2VEB	x2	RZAG140N7Y1B				16.1	–	16	–	11.6	0.234	1.4	0.070 x2	1.3 x2
FBA140A2VEB		RZAG140N7Y1B				17.4	–	16	–	11.6	0.234	1.4	0.187	3.9
FNA35A2VEB	x4	RZAG140N7Y1B				13.0	–	16	–	9.1	0.234	1.4	0.034 x4	0.5 x4
FNA50A2VEB	x3	RZAG140N7Y1B				13.5	–	16	–	10.1	0.234	1.4	0.060 x3	0.5 x3
FUA71AVEB9	x2	RZAG140N7Y1B				15.4	–	16	–	11.6	0.234	1.4	0.046 x2	0.9 x2
FAA71BUV1B	x2	RZAG140N7Y1B				14.6	–	16	–	11.6	0.234	1.4	0.048 x2	0.5 x2
FVA71AMVEB	x2	RZAG140N7Y1B				15.2	–	16	–	11.6	0.234	1.4	0.117 x2	0.8 x2
FVA140AMVEB		RZAG140N7Y1B				15.4	–	16	–	11.6	0.234	1.4	0.276	1.8
FDXM35F3V1B	x4	RZAG140N7Y1B				12.2	–	16	–	9.1	0.234	1.4	0.034 x4	0.3 x4
FDXM50F3V1B	x3	RZAG140N7Y1B				14.8	–	16	–	10.1	0.234	1.4	0.060 x3	0.9 x3
FHA35AVEB98	x4	RZAG140N7Y1B				13.4	–	16	–	9.1	0.234	1.4	0.090 x4	0.6 x4
FHA50AVEB98	x3	RZAG140N7Y1B				13.8	–	16	–	10.1	0.234	1.4	0.090 x3	0.6 x3
FHA71AVEB98	x2	RZAG140N7Y1B				15.2	–	16	–	11.6	0.234	1.4	0.110 x2	0.8 x2
FHA140AVEB8		RZAG140N7Y1B				15.4	–	16	–	11.6	0.234	1.4	0.251	1.8

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RZAG-NV1/NY1

Symbols		
MCA	Minimum Circuit Ampere	[A]
TOCA	Total overcurrent amps	[A]
MFA	Maximum Fuse Ampere	[A]
MSC	Maximum current of the starting compressor	[A]
RLA	Rated load amps	[A]
OFM	Outdoor fan motor	
IFM	Indoor fan motor	
FLA	Full Load Ampere	[A]
kW	Fan motor rated output	[kW]

Notes

1 The ·RLA· is based on the following conditions.
Cooling
Indoor temperature ·27.0·°C DB / ·19.0·°C WB
Outdoor temperature ·35.0·°C DB
Heating
Indoor temperature ·20.0·°C DB
Outdoor temperature ·7.0·°C DB / ·6.0·°C WB
2 ·TOCA· is the total value of each overcurrent set.
3 Voltage range
The units are suitable for use with electrical systems in which the voltage supplied to the unit terminals is not below or above the listed range limits.
4 The maximum allowable voltage that is unbalanced between phases is ·2·%.
5 ·MCA· is the maximum input current.
The capacity of the ·MFA· must be greater than that of the ·MCA·.
Select the ·MFA· according to the table.
6 Select the wire size according to the MCA.
7 ·MFA· is used to select the circuit breaker and the ground fault circuit interruptor.
Earth leakage circuit breaker

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RZAG71-100NV1 INFRASTRUCTURE COOLING

									Compressor		OFM		IFM	
Indoor		Outdoor	Power supply	Voltage range		MCA	TOCA	MFA	MSC	RLA	kW	FLA	kW	FLA
FCAHG100HVEB		RZAG71N7V1B	50Hz ~ 220-240V	Minimum: ·198 V·	Maximum ·264 V·	18.3	–	20	–	15.5	0.234	0.8	0.221	1.3
FCAG35BVEB	x3	RZAG71N7V1B				17.9	–	20	–	15.5	0.234	0.8	0.044 x3	0.3 x3
FCAG50BVEB	x2	RZAG71N7V1B				17.6	–	20	–	15.5	0.234	0.8	0.039 x2	0.3 x2
FCAG100BVEB		RZAG71N7V1B				17.7	–	20	–	15.5	0.234	0.8	0.117	0.7
FFA35A2VEB	x3	RZAG71N7V1B				17.6	–	20	–	15.5	0.234	0.8	0.050 x3	0.2 x3
FFA50A2VEB	x2	RZAG71N7V1B				17.8	–	20	–	15.5	0.234	0.8	0.050 x2	0.4 x2
FBA35A2VEB	x3	RZAG71N7V1B				21.3	–	20	–	15.5	0.234	0.8	0.089 x3	1.4 x3
FBA50A2VEB	x2	RZAG71N7V1B				19.9	–	20	–	15.5	0.234	0.8	0.089 x2	1.4 x2
FBA100A2VEB		RZAG71N7V1B				20.6	–	20	–	15.5	0.234	0.8	0.127	3.5
FUA100AVEB9		RZAG71N7V1B				18.3	–	20	–	15.5	0.234	0.8	0.106	1.3
FAA100BUV1B		RZAG71N7V1B				17.9	–	20	–	15.5	0.234	0.8	0.064	0.9
FVA100AMVEB		RZAG71N7V1B				18.5	–	20	–	15.5	0.234	0.8	0.238	1.5
FDXM35F3V1B	x3	RZAG71N7V1B				17.9	–	20	–	15.5	0.234	0.8	0.034 x3	0.3 x3
FDXM50F3V1B	x2	RZAG71N7V1B				18.8	–	20	–	15.5	0.234	0.8	0.060 x2	0.9 x2
FHA35AVEB98	x3	RZAG71N7V1B				18.8	–	20	–	15.5	0.234	0.8	0.090 x3	0.6 x3
FHA50AVEB98	x2	RZAG71N7V1B				18.2	–	20	–	15.5	0.234	0.8	0.090 x2	0.6 x2
FHA100AVEB98		RZAG71N7V1B				18.3	–	20	–	15.5	0.234	0.8	0.172	1.3
FCAHG71HVEB	x2	RZAG100N7V1B	50Hz ~ 220-240V	Minimum: ·198 V·	Maximum ·264 V·	22.3	–	32	–	18.8	0.234	1.2	0.091 x2	0.7 x2
FCAHG140HVEB		RZAG100N7V1B				22.3	–	32	–	18.8	0.234	1.2	0.244	1.4
FCAG35BVEB	x4	RZAG100N7V1B				22.0	–	32	–	18.8	0.234	1.2	0.044 x4	0.3 x4
FCAG50BVEB	x3	RZAG100N7V1B				21.7	–	32	–	18.8	0.234	1.2	0.039 x3	0.3 x3
FCAG71BVEB	x2	RZAG100N7V1B				21.6	–	32	–	18.8	0.234	1.2	0.054 x2	0.4 x2
FCAG140BVEB		RZAG100N7V1B				22.2	–	32	–	18.8	0.234	1.2	0.168	1.3
FFA35A2VEB	x4	RZAG100N7V1B				21.6	–	32	–	18.8	0.234	1.2	0.050 x4	0.8
FFA50A2VEB	x3	RZAG100N7V1B				22.0	–	32	–	18.8	0.234	1.2	0.050 x3	0.4 x3
FBA35A2VEB	x4	RZAG100N7V1B				26.6	–	32	–	18.8	0.234	1.2	0.089 x4	1.4 x4
FBA50A2VEB	x3	RZAG100N7V1B				25.2	–	32	–	18.8	0.234	1.2	0.089 x3	1.4 x3
FBA71A2VEB	x2	RZAG100N7V1B				23.5	–	32	–	18.8	0.234	1.2	0.07 x2	1.3 x2
FBA140A2VEB		RZAG100N7V1B				24.9	–	32	–	18.8	0.234	1.2	0.187	3.9
FUA71AVEB9	x2	RZAG100N7V1B				22.7	–	32	–	18.8	0.234	1.2	0.046 x2	0.9 x2
FAA71BUV1B	x2	RZAG100N7V1B				21.8	–	32	–	18.8	0.234	1.2	0.048 x2	0.5 x2
FVA140AMVEB		RZAG100N7V1B				22.7	–	32	–	18.8	0.234	1.2	0.276	1.8
FDXM35F3V1B	x4	RZAG100N7V1B				22.0	–	32	–	18.8	0.234	1.2	0.034 x4	0.3 x4
FDXM50F3V1B	x3	RZAG100N7V1B				23.6	–	32	–	18.8	0.234	1.2	0.060 x3	0.9 x3
FHA35AVEB98	x4	RZAG100N7V1B				23.3	–	32	–	18.8	0.234	1.2	0.090 x4	0.6 x4
FHA50AVEB98	x3	RZAG100N7V1B				22.7	–	32	–	18.8	0.234	1.2	0.090 x3	0.6 x3
FHA71AVEB98	x2	RZAG100N7V1B				22.5	–	32	–	18.8	0.234	1.2	0.110 x2	0.8 x2
FHA140AVEB8		RZAG100N7V1B				22.7	–	32	–	18.8	0.234	1.2	0.251	1.8

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RZAG125-140NV1 INFRASTRUCTURE COOLING

								Compressor		OFM		IFM	
Indoor		Outdoor	Power supply	Voltage range	MCA	TOCA	MFA	MSC	RLA	kW	FLA	kW	FLA
FCAHG71HVEB	x2	RZAG125N7V1B	50Hz ~ 220-240V	Minimum: ·198 V· Maximum ·264 V·	27.5	–	32	–	23.8	0.234	1.2	0.091 x2	0.7 x2
FCAHG140HVEB		RZAG125N7V1B			27.5	–	32	–	23.8	0.234	1.2	0.244	1.4
FCAG35BVEB	x4	RZAG125N7V1B			27.2	–	32	–	23.8	0.234	1.2	0.044 x4	0.3 x4
FCAG50BVEB	x3	RZAG125N7V1B			26.9	–	32	–	23.8	0.234	1.2	0.039 x3	0.3 x3
FCAG71BVEB	x2	RZAG125N7V1B			26.8	–	32	–	23.8	0.234	1.2	0.054 x2	0.4 x2
FCAG140BVEB		RZAG125N7V1B			27.4	–	32	–	23.8	0.234	1.2	0.168	1.3
FFA35A2VEB	x4	RZAG125N7V1B			26.8	–	32	–	23.8	0.234	1.2	0.050 x4	0.2 x4
FFA50A2VEB	x3	RZAG125N7V1B			27.2	–	32	–	23.8	0.234	1.2	0.050 x3	0.4 x3
FBA35A2VEB	x4	RZAG125N7V1B			31.8	–	32	–	23.8	0.234	1.2	0.089 x4	1.4 x4
FBA50A2VEB	x3	RZAG125N7V1B			30.4	–	32	–	23.8	0.234	1.2	0.089 x3	1.4 x3
FBA71A2VEB	x2	RZAG125N7V1B			28.7	–	32	–	23.8	0.234	1.2	0.070 x2	1.3 x2
FBA140A2VEB		RZAG125N7V1B			30.1	–	32	–	23.8	0.234	1.2	0.187	3.9
FUA71AVEB9	x2	RZAG125N7V1B			27.9	–	32	–	23.8	0.234	1.2	0.046 x2	0.9 x2
FAA71BUV1B	x2	RZAG125N7V1B			27.0	–	32	–	23.8	0.234	1.2	0.048 x2	0.5 x2
FVA140AMVEB		RZAG125N7V1B			27.9	–	32	–	23.8	0.234	1.2	0.276	1.8
FDXM35F3V1B	x4	RZAG125N7V1B			27.2	–	32	–	23.8	0.234	1.2	0.034 x4	0.3 x4
FDXM50F3V1B	x3	RZAG125N7V1B			28.8	–	32	–	23.8	0.234	1.2	0.060 x3	0.9 x3
FHA35AVEB98	x4	RZAG125N7V1B			28.5	–	32	–	23.8	0.234	1.2	0.090 x4	0.6 x4
FHA50AVEB98	x3	RZAG125N7V1B			27.9	–	32	–	23.8	0.234	1.2	0.090 x3	0.6 x3
FHA71AVEB98	x2	RZAG125N7V1B			27.7	–	32	–	23.8	0.234	1.2	0.110 x2	0.8 x2
FHA140AVEB8		RZAG125N7V1B			27.9	–	32	–	23.8	0.234	1.2	0.251	1.8
FCAHG71HVEB	x2	RZAG140N7V1B	50Hz ~ 220-240V	Minimum: ·198 V· Maximum ·264 V·	27.5	–	32	–	23.6	0.234	1.4	0.091 x2	0.7 x2
FCAHG140HVEB		RZAG140N7V1B			27.5	–	32	–	23.6	0.234	1.4	0.244	1.4
FCAG35BVEB	x4	RZAG140N7V1B			27.2	–	32	–	23.6	0.234	1.4	0.044 x4	0.3 x4
FCAG50BVEB	x3	RZAG140N7V1B			26.9	–	32	–	23.6	0.234	1.4	0.039 x3	0.3 x3
FCAG71BVEB	x2	RZAG140N7V1B			26.8	–	32	–	23.6	0.234	1.4	0.054 x2	0.4 x2
FCAG140BVEB		RZAG140N7V1B			27.4	–	32	–	23.6	0.234	1.4	0.168	1.3
FFA35A2VEB	x4	RZAG140N7V1B			26.8	–	32	–	23.6	0.234	1.4	0.050 x4	0.2 x4
FFA50A2VEB	x3	RZAG140N7V1B			27.2	–	32	–	23.6	0.234	1.4	0.050 x3	0.4 x3
FBA35A2VEB	x4	RZAG140N7V1B			31.8	–	32	–	23.6	0.234	1.4	0.089 x4	1.4 x4
FBA50A2VEB	x3	RZAG140N7V1B			30.4	–	32	–	23.6	0.234	1.4	0.089 x3	1.4 x3
FBA71A2VEB	x2	RZAG140N7V1B			28.7	–	32	–	23.6	0.234	1.4	0.070 x2	1.3 x2
FBA140A2VEB		RZAG140N7V1B			30.1	–	32	–	23.6	0.234	1.4	0.187	3.9
FUA71AVEB9	x2	RZAG140N7V1B			27.9	–	32	–	23.6	0.234	1.4	0.046 x2	0.9 x2
FAA71BUV1B	x2	RZAG140N7V1B			27.0	–	32	–	23.6	0.234	1.4	0.048 x2	0.5 x2
FVA140AMVEB		RZAG140N7V1B			27.9	–	32	–	23.6	0.234	1.4	0.276	1.8
FDXM35F3V1B	x4	RZAG140N7V1B			27.2	–	32	–	23.6	0.234	1.4	0.034 x4	0.3 x4
FDXM50F3V1B	x3	RZAG140N7V1B			28.8	–	32	–	23.6	0.234	1.4	0.060 x3	0.9 x3
FHA35AVEB98	x4	RZAG140N7V1B			28.5	–	32	–	23.6	0.234	1.4	0.090 x4	0.6 x4
FHA50AVEB98	x3	RZAG140N7V1B			27.9	–	32	–	23.6	0.234	1.4	0.090 x3	0.6 x3
FHA71AVEB98	x2	RZAG140N7V1B			27.7	–	32	–	23.6	0.234	1.4	0.110 x2	0.8 x2
FHA140AVEB8		RZAG140N7V1B			27.9	–	32	–	23.6	0.234	1.4	0.251	1.8

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RZAG71-100NY1 INFRASTRUCTURE COOLING

								Compressor		OFM		IFM	
Indoor		Outdoor	Power supply	Voltage range	MCA	TOCA	MFA	MSC	RLA	kW	FLA	kW	FLA
FCAHG100HVEB		RZAG71N7Y1B	3N~ 50Hz 380-415V	Minimum: ·342 V· Maximum ·457 V·	11.8	–	16	–	9.2	0.234	0.8	0.221	1.3
FCAG35BVEB	x3	RZAG71N7Y1B			11.3	–	16	–	9.2	0.234	0.8	0.044 x3	0.3 x3
FCAG50BVEB	x2	RZAG71N7Y1B			11.0	–	16	–	9.2	0.234	0.8	0.039 x2	0.3 x2
FCAG100BVEB		RZAG71N7Y1B			11.1	–	16	–	9.2	0.234	0.8	0.117	0.7
FFA35A2VEB	x3	RZAG71N7Y1B			11.0	–	16	–	9.2	0.234	0.8	0.050 x3	0.2 x3
FFA50A2VEB	x2	RZAG71N7Y1B			11.2	–	16	–	9.2	0.234	0.8	0.050 x2	0.4 x2
FBA35A2VEB	x3	RZAG71N7Y1B			14.6	–	16	–	9.2	0.234	0.8	0.089 x3	1.4 x3
FBA50A2VEB	x2	RZAG71N7Y1B			13.2	–	16	–	9.2	0.234	0.8	0.089 x2	1.4 x2
FBA100A2VEB		RZAG71N7Y1B			13.9	–	16	–	9.2	0.234	0.8	0.127	3.5
FUA100AVEB9		RZAG71N7Y1B			11.8	–	16	–	9.2	0.234	0.8	0.106	1.3
FAA100BUV1B		RZAG71N7Y1B			11.3	–	16	–	9.2	0.234	0.8	0.064	0.5
FVA100AMVEB		RZAG71N7Y1B			12.0	–	16	–	9.2	0.234	0.8	0.238	1.5
FDXM35F3V1B	x3	RZAG71N7Y1B			11.3	–	16	–	9.2	0.234	0.8	0.034 x3	0.3 x3
FDXM50F3V1B	x2	RZAG71N7Y1B			12.3	–	16	–	9.2	0.234	0.8	0.060 x2	0.9 x2
FHA35AVEB98	x3	RZAG71N7Y1B			12.3	–	16	–	9.2	0.234	0.8	0.090 x3	0.6 x3
FHA50AVEB98	x2	RZAG71N7Y1B			11.6	–	16	–	9.2	0.234	0.8	0.090 x2	0.6 x2
FHA100AVEB8		RZAG71N7Y1B			11.8	–	16	–	9.2	0.234	0.8	0.172	1.3
FCAHG71HVEB	x2	RZAG100N7Y1B	3N~ 50Hz 380-415V	Minimum: ·342 V· Maximum ·457 V·	13.5	–	16	–	10.4	0.234	1.2	0.091 x2	0.7 x2
FCAHG140HVEB		RZAG100N7Y1B			15.0	–	16	–	11.8	0.234	1.2	0.244	1.4
FCAG35BVEB	x4	RZAG100N7Y1B			13.3	–	16	–	10.4	0.234	1.2	0.044 x4	0.3 x4
FCAG50BVEB	x3	RZAG100N7Y1B			13.0	–	16	–	10.4	0.234	1.2	0.039 x3	0.3 x3
FCAG71BVEB	x2	RZAG100N7Y1B			12.9	–	16	–	10.4	0.234	1.2	0.054 x2	0.4 x2
FCAG140BVEB		RZAG100N7Y1B			14.9	–	16	–	11.8	0.234	1.2	0.168	1.3
FFA35A2VEB	x4	RZAG100N7Y1B			12.9	–	16	–	10.4	0.234	1.2	0.050 x4	0.8
FFA50A2VEB	x3	RZAG100N7Y1B			13.3	–	16	–	10.4	0.234	1.2	0.050 x3	0.4 x3
FBA35A2VEB	x4	RZAG100N7Y1B			17.7	–	16	–	10.4	0.234	1.2	0.089 x4	1.4 x4
FBA50A2VEB	x3	RZAG100N7Y1B			16.3	–	16	–	10.4	0.234	1.2	0.089 x3	1.4 x3
FBA71A2VEB	x2	RZAG100N7Y1B			14.7	–	16	–	10.4	0.234	1.2	0.07 x2	1.3 x2
FBA140A2VEB		RZAG100N7Y1B			17.4	–	16	–	11.8	0.234	1.2	0.187	3.9
FUA71AVEB9	x2	RZAG100N7Y1B			13.9	–	16	–	10.4	0.234	1.2	0.046 x2	0.9 x2
FAA71BUV1B	x2	RZAG100N7Y1B			13.1	–	16	–	10.4	0.234	1.2	0.048 x2	0.5 x2
FVA140AMVEB		RZAG100N7Y1B			15.4	–	16	–	11.8	0.234	1.2	0.276	1.8
FDXM35F3V1B	x4	RZAG100N7Y1B			13.3	–	16	–	10.4	0.234	1.2	0.034 x4	0.3 x4
FDXM50F3V1B	x3	RZAG100N7Y1B			14.9	–	16	–	10.4	0.234	1.2	0.060 x3	0.9 x3
FHA35AVEB98	x4	RZAG100N7Y1B			14.6	–	16	–	10.4	0.234	1.2	0.090 x4	0.6 x4
FHA50AVEB98	x3	RZAG100N7Y1B			13.9	–	16	–	10.4	0.234	1.2	0.090 x3	0.6 x3
FHA71AVEB98	x2	RZAG100N7Y1B			13.7	–	16	–	10.4	0.234	1.2	0.110 x2	0.8 x2
FHA140AVEB8		RZAG100N7Y1B			15.4	–	16	–	11.8	0.234	1.2	0.251	1.8

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RZAG125-140NY1 INFRASTRUCTURE COOLING

								Compressor		OFM		IFM	
Indoor		Outdoor	Power supply	Voltage range	MCA	TOCA	MFA	MSC	RLA	kW	FLA	kW	FLA
FCAHG71HVEB	x2	RZAG125N7Y1B	3N~ 50Hz 380-415V	Minimum: ·342 V· Maximum ·457 V·	15.0	–	16	–	11.8	0.234	1.2	0.091 x2	0.7 x2
FCAHG140HVEB		RZAG125N7Y1B			15.0	–	16	–	11.8	0.234	1.2	0.244	1.4
FCAG35BVEB	x4	RZAG125N7Y1B			12.2	–	16	–	9.3	0.234	1.2	0.044 x4	0.3 x4
FCAG50BVEB	x3	RZAG125N7Y1B			12.9	–	16	–	10.3	0.234	1.2	0.039 x3	0.3 x3
FCAG71BVEB	x2	RZAG125N7Y1B			14.4	–	16	–	11.8	0.234	1.2	0.054 x2	0.4 x2
FCAG140BVEB		RZAG125N7Y1B			14.9	–	16	–	11.8	0.234	1.2	0.168	1.3
FFA35A2VEB	x4	RZAG125N7Y1B			11.8	–	16	–	9.3	0.234	1.2	0.050 x4	0.2 x4
FFA50A2VEB	x3	RZAG125N7Y1B			13.2	–	16	–	10.3	0.234	1.2	0.050 x3	0.4 x3
FBA35A2VEB	x4	RZAG125N7Y1B			16.5	–	16	–	9.3	0.234	1.2	0.089 x4	1.4 x4
FBA50A2VEB	x3	RZAG125N7Y1B			16.2	–	16	–	10.3	0.234	1.2	0.089 x3	1.4 x3
FBA71A2VEB	x2	RZAG125N7Y1B			16.1	–	16	–	11.8	0.234	1.2	0.070 x2	1.3 x2
FBA140A2VEB		RZAG125N7Y1B			17.4	–	16	–	11.8	0.234	1.2	0.187	3.9
FUA71AVEB9	x2	RZAG125N7Y1B			15.4	–	16	–	11.8	0.234	1.2	0.046 x2	0.9 x2
FAA71BUV1B	x2	RZAG125N7Y1B			14.6	–	16	–	11.8	0.234	1.2	0.048 x2	0.5 x2
FVA140AMVEB9		RZAG125N7Y1B			15.4	–	16	–	11.8	0.234	1.2	0.276	1.8
FDXM35F3V1B	x4	RZAG125N7Y1B			12.2	–	16	–	9.3	0.234	1.2	0.034 x4	0.3 x4
FDXM50F3V1B	x3	RZAG125N7Y1B			14.8	–	16	–	10.3	0.234	1.2	0.060 x3	0.9 x3
FHA35AVEB98	x4	RZAG125N7Y1B			13.4	–	16	–	9.3	0.234	1.2	0.090 x4	0.6 x4
FHA50AVEB98	x3	RZAG125N7Y1B			13.8	–	16	–	10.3	0.234	1.2	0.090 x3	0.6 x3
FHA71AVEB98	x2	RZAG125N7Y1B			15.2	–	16	–	11.8	0.234	1.2	0.110 x2	0.8 x2
FHA140AVEB8		RZAG125N7Y1B			15.4	–	16	–	11.8	0.234	1.2	0.251	1.8
FCAHG71HVEB	x2	RZAG140N7Y1B	3N~ 50Hz 380-415V	Minimum: ·342 V· Maximum ·457 V·	15.0	–	16	–	11.6	0.234	1.4	0.091 x2	0.7 x2
FCAHG140HVEB		RZAG140N7Y1B			15.0	–	16	–	11.6	0.234	1.4	0.244	1.4
FCAG35BVEB	x4	RZAG140N7Y1B			12.2	–	16	–	9.1	0.234	1.4	0.044 x4	0.3 x4
FCAG50BVEB	x3	RZAG140N7Y1B			12.9	–	16	–	10.1	0.234	1.4	0.039 x3	0.3 x3
FCAG71BVEB	x2	RZAG140N7Y1B			14.4	–	16	–	11.6	0.234	1.4	0.054 x2	0.4 x2
FCAG140BVEB		RZAG140N7Y1B			14.9	–	16	–	11.6	0.234	1.4	0.168	1.3
FFA35A2VEB	x4	RZAG140N7Y1B			11.8	–	16	–	9.1	0.234	1.4	0.050 x4	0.2 x4
FFA50A2VEB	x3	RZAG140N7Y1B			13.2	–	16	–	10.1	0.234	1.4	0.050 x3	0.4 x3
FBA35A2VEB	x4	RZAG140N7Y1B			16.5	–	16	–	9.1	0.234	1.4	0.089 x4	1.4 x4
FBA50A2VEB	x3	RZAG140N7Y1B			16.2	–	16	–	10.1	0.234	1.4	0.089 x3	1.4 x3
FBA71A2VEB	x2	RZAG140N7Y1B			16.1	–	16	–	11.6	0.234	1.4	0.070 x2	1.3 x2
FBA140A2VEB		RZAG140N7Y1B			17.4	–	16	–	11.6	0.234	1.4	0.187	3.9
FUA71AVEB9	x2	RZAG140N7Y1B			15.4	–	16	–	11.6	0.234	1.4	0.046 x2	0.9 x2
FAA71BUV1B	x2	RZAG140N7Y1B			14.6	–	16	–	11.6	0.234	1.4	0.048 x2	0.5 x2
FVA140AMVEB		RZAG140N7Y1B			15.4	–	16	–	11.6	0.234	1.4	0.276	1.8
FDXM35F3V1B	x4	RZAG140N7Y1B			12.2	–	16	–	9.1	0.234	1.4	0.034 x4	0.3 x4
FDXM50F3V1B	x3	RZAG140N7Y1B			14.8	–	16	–	10.1	0.234	1.4	0.060 x3	0.9 x3
FHA35AVEB98	x4	RZAG140N7Y1B			13.4	–	16	–	9.1	0.234	1.4	0.090 x4	0.6 x4
FHA50AVEB98	x3	RZAG140N7Y1B			13.8	–	16	–	10.1	0.234	1.4	0.090 x3	0.6 x3
FHA71AVEB98	x2	RZAG140N7Y1B			15.2	–	16	–	11.6	0.234	1.4	0.110 x2	0.8 x2
FHA140AVEB8		RZAG140N7Y1B			15.4	–	16	–	11.6	0.234	1.4	0.251	1.8

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RZAG-NV1/NY1

Symbols

MCA	Minimum Circuit Ampere	[A]
TOCA	Total overcurrent amps	[A]
MFA	Maximum Fuse Ampere	[A]
MSC	Maximum current of the starting compressor	[A]
RLA	Rated load amps	[A]
OFM	Outdoor fan motor	
IFM	Indoor fan motor	
FLA	Full Load Ampere	[A]
kW	Fan motor rated output	[kW]

Notes

1 The ·RLA· is based on the following conditions.
Cooling
Indoor temperature ·27.0·°C DB / ·19.0·°C WB
Outdoor temperature ·35.0·°C DB
Heating
Indoor temperature ·20.0·°C DB
Outdoor temperature ·7.0·°C DB / ·6.0·°C WB
2 ·TOCA· is the total value of each overcurrent set.
3 Voltage range
The units are suitable for use with electrical systems in which the voltage supplied to the unit terminals is not below or above the listed range limits.
4 The maximum allowable voltage that is unbalanced between phases is ·2·%.
5 ·MCA· is the maximum input current.
The capacity of the ·MFA· must be greater than that of the ·MCA·.
Select the ·MFA· according to the table.
6 Select the wire size according to the MCA.
7 ·MFA· is used to select the circuit breaker and the ground fault circuit interruptor.
Earth leakage circuit breaker

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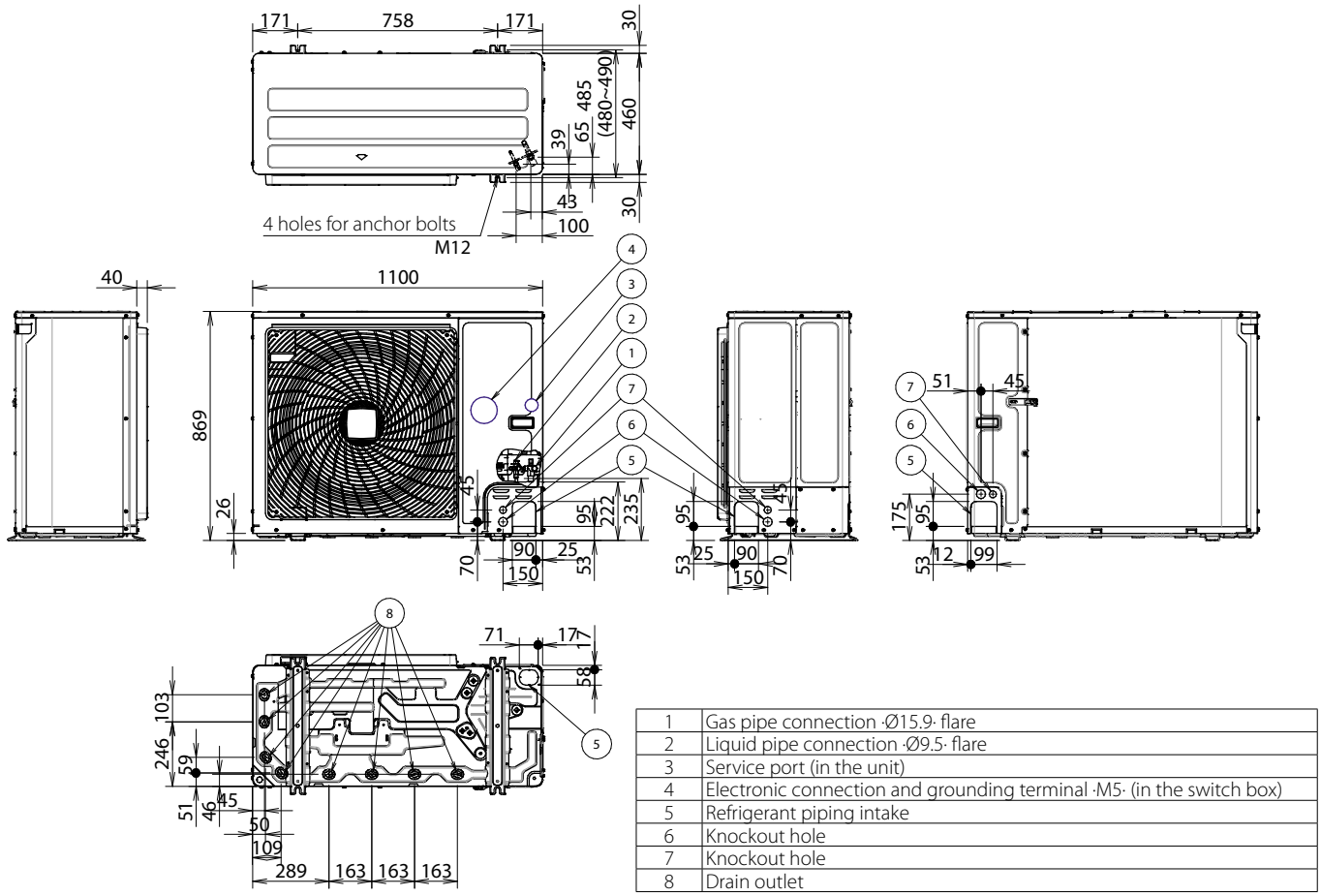
CLICK HERE TO VIEW ALL RZAG-NV1 TECHNICAL DRAWINGS ON MY.DAIKIN.EU

CLICK HERE TO VIEW ALL RZAG-NY1 TECHNICAL DRAWINGS ON MY.DAIKIN.EU

RZAG-NV1 / RZAG-NY1



1	Gas pipe connection ·Ø15.9· flare
2	Liquid pipe connection ·Ø9.5· flare
3	Service port (in the unit)
4	Electronic connection and grounding terminal ·M5· (in the switch box)
5	Refrigerant piping intake
6	Knockout hole
7	Knockout hole
8	Drain outlet

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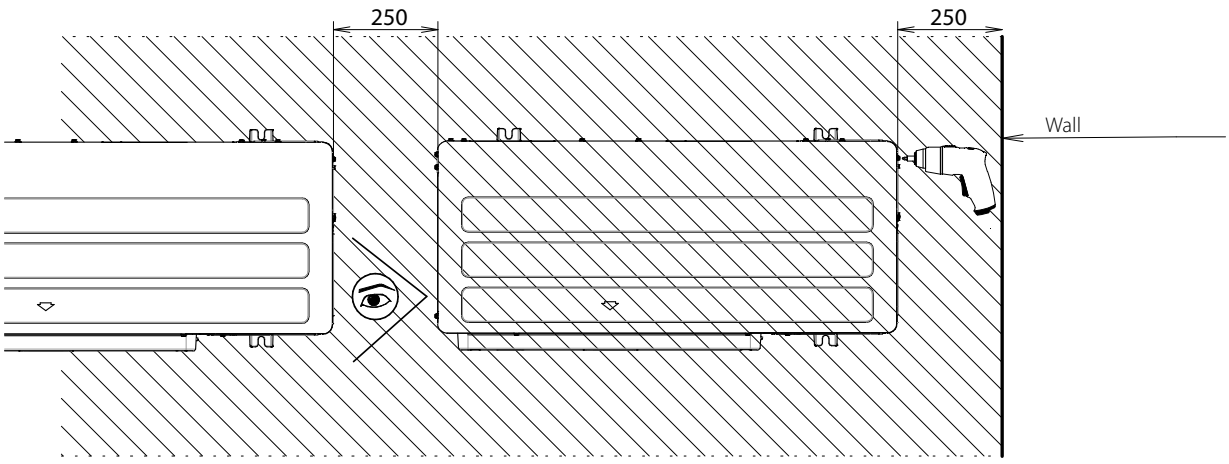
RZAG-NV1/NY1
RZA-D



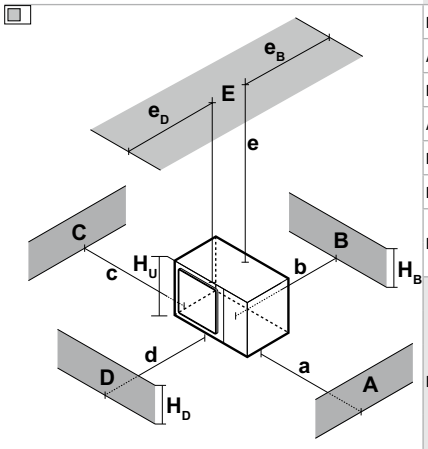
* For optimal serviceability, provide ·250·mm of free space.
For more installation and service space guidelines, see drawing ·3D069554·.

3D110012

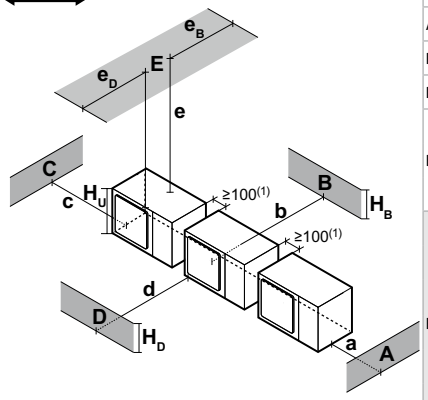
RZAG-NV1/NY1
RZA-D

Suction side	In the illustrations below, the service space at the suction side is based on 35°C DB and cooling operation. Foresee more space in the following cases: • When the suction side temperature regularly exceeds this temperature. • When the heat load of the outdoor units is expected to regularly exceed the maximum operating capacity.
Discharge side	Take refrigerant piping work into account when positioning the units. If your layout does not match with any of the layouts below, contact your dealer.

Single unit (□) | Single row of units (□□□)



A~E	H_B H_D H_U		(mm) a	b	c	d	e	e_B	e_D	
B	—			≥100						
A, B, C	—		≥100(1)	≥100	≥100					
B, E	—			≥100			≥1,000		≤500	
A, B, C, E	—		≥150(1)	≥150	≥150		≥1,000		≤500	
D	—					≥500				
D, E	—					≥500	≥1,000	≥500		
B, D	$H_D>H_U$			≥100		≥500				
	$H_D≤H_U$			≥100		≥500				
B, D, E	$H_D>H_U$	$H_B≤½H_U$		≥250		≥750	≥1,000	≤500		1
		$½H_U<H_B≤H_U$		≥250		≥1,000	≥1,000	≤500		
		$H_B>H_U$	⊘							
	$H_D≤H_U$	$H_D≤½H_U$		≥100		≥1,000	≥1,000		≤500	
		$½H_U<H_D≤H_U$		≥200		≥1,000	≥1,000		≤500	
		$H_D>H_U$	⊘							



A~E	H_B H_D H_U		(mm) a	b	c	d	e	e_B	e_D	
A, B, C	—		≥200(1)	≥300	≥1,000					
A, B, C, E	—		≥200(1)	≥300	≥1,000		≥1,000		≤500	
D	—					≥1,000				
D, E	—					≥1,000	≥1,000	≤500		
B, D	$H_D>H_U$			≥300		≥1,000				
	$H_D≤H_U$	$H_D≤½H_U$		≥250		≥1,500				
		$½H_U<H_D≤H_U$		≥300		≥1,500				
B, D, E	$H_D>H_U$	$H_B≤½H_U$		≥300		≥1,000	≥1,000	≤500		1+2
		$½H_U<H_B≤H_U$		≥300		≥1,250	≥1,000	≤500		
		$H_B>H_U$	⊘							
	$H_D≤H_U$	$H_D≤½H_U$		≥250		≥1,500	≥1,000		≤500	
		$½H_U<H_D≤H_U$		≥300		≥1,500	≥1,000		≤500	
		$H_D>H_U$	⊘							

(1) For better serviceability, use a distance ≥250 mm

A,B,C,D Obstacles (walls/baffle plates)

E Obstacle (roof)

a,b,c,d,e Minimum service space between the unit and obstacles A, B, C, D and E

eB Maximum distance between the unit and the edge of obstacle E, in the direction of obstacle B

eD Maximum distance between the unit and the edge of obstacle E, in the direction of obstacle D

HU Height of the unit

HB,HD Height of obstacles B and D

1 Seal the bottom of the installation frame to prevent discharged air from flowing back to the suction side through the bottom of the unit.

2 Maximum two units can be installed.

⊘ Not allowed

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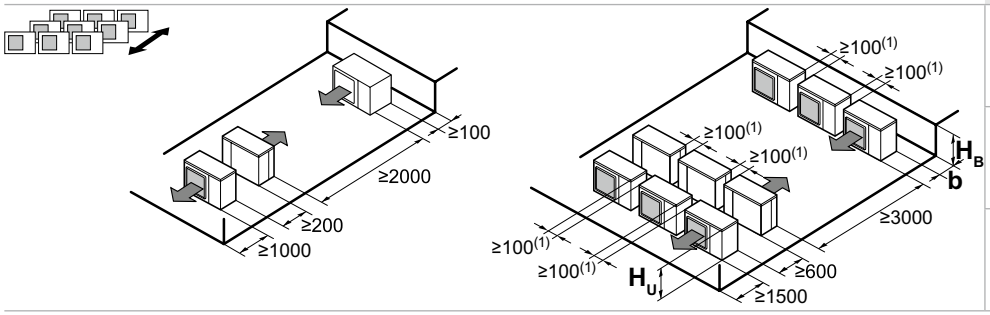
RZAG-NV1/NY1
RZA-D

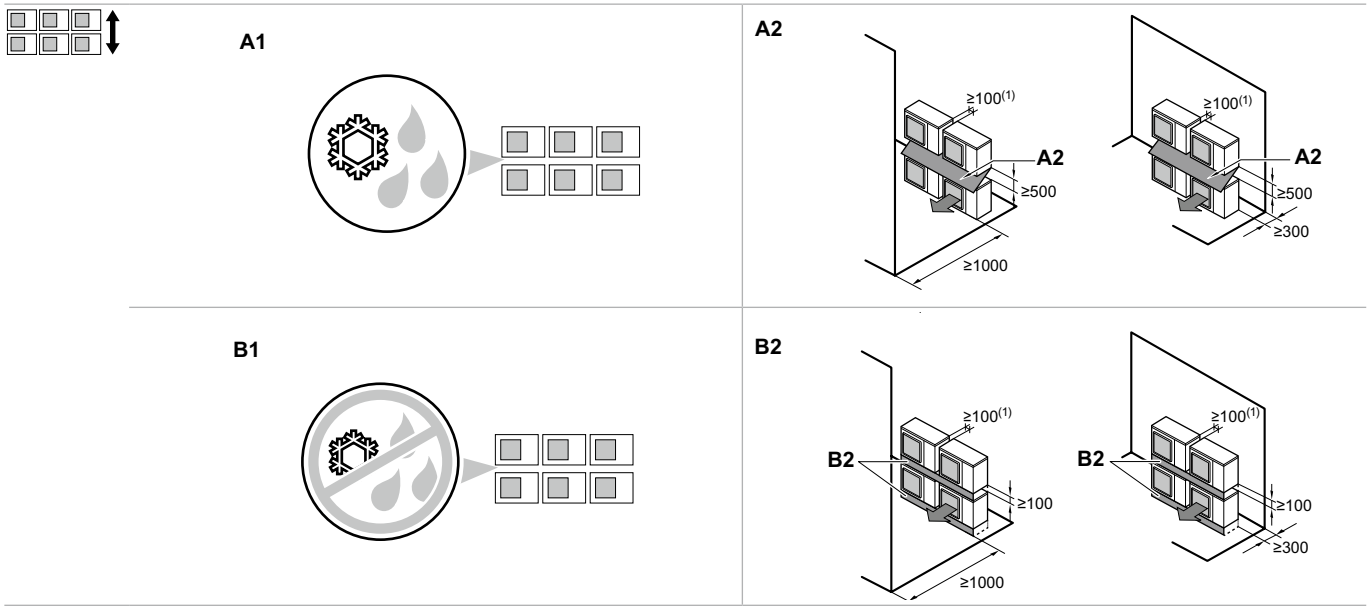
Multiple rows of units ( )



H_B H_U	b (mm)
$H_B \leq ½H_U$	b≥250
$½H_U < H_B \leq H_U$	b≥300
$H_B > H_U$	⊘

(1) For better serviceability, use a distance ≥250 mm

Stacked units (max. 2 levels) ( )



(1) For better serviceability, use a distance ≥250 mm

A1=>A2 (A1) If there is danger of drainage dripping and freezing between the upper and lower units…

(A2) Then install a roof between the upper and lower units. Install the upper unit high enough above the lower unit to prevent ice buildup at the upper unit's bottom plate.

B1=>B2 (B1) If there is no danger of drainage dripping and freezing between the upper and lower units…

(B2) Then it is not required to install a roof, but seal the gap between the upper and lower units to prevent discharged air from flowing back to the suction side through the bottom of the unit.

RZAG-NV1/NY1

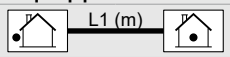
To determine if adding additional refrigerant is necessary

If	Then
(L1+L2+L3+L4+L5+L6+L7)≤ chargeless length Chargeless length= • 10 m (size-down) • 40 m (standard) • 15 m (size-up)	You do not have to add additional refrigerant.
(L1+L2+L3+L4+L5+L6+L7)> chargeless length	You must add additional refrigerant. For future servicing, encircle the selected amount in the tables below.

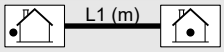
INFORMATION

Piping length is the largest one way length of liquid piping.

To determine the additional refrigerant amount (R in kg) (in case of pair)

Standard liquid pipe size						
						
L1 (standard):	**40~50**	**50~55**	**55~60**	**60~70**	**70~80**	**85~85**
R:	0.35	0.7 [a] 0.55 [b]	0.7 [a]	1.05 [a]	1.4 [a]	1.55 [a]

(a) Only for RZAG100~140.
(b) Only for RZAG71.

Size-up liquid pipe size				
				
L1 (size-up):	**15~20**	**20~25**	**25~30**	**30~35**
R:	0.35	0.7	1.05 [a]	1.4 [a]

(a) Only for RZAG100~140.

To determine the additional refrigerant amount (R in kg) (in case of twin, triple and double twin)

1. Determine G1 and G2.

G1 (m)	Total length of <x> liquid piping x= **Ø9.5 mm** (standard) x= **Ø12.7 mm** (size-up)
G2 (m)	Total length of **Ø6.4** mm liquid piping

2. Determine R1 and R2.

If	Then
G1>40 m[a]	Use the table below to determine R1 (length= **G1−40 m**)[a] and R2 (length=**G2**).
G1≤40 m[a] (and G1+G2>40 m)[a]	R1=0.0 kg. Use the table below to determine R2 (length= **G1+G2−40 m**)[a]

(a) In case of size-up: Replace 40 m by 15 m.

Standard liquid pipe size						
	Length (m)					
	0~10	**10~15**	**15~20**	**20~30**	**30~40**	**40~45**
R1:	0.35	0.7 [a] 0.55 [b]	0.7 [a]	1.05 [a]	1.4 [a]	1.55 [a]
R2:	0.2	0.4	0.4	0.6	0.8 [a]	1.0 [a]

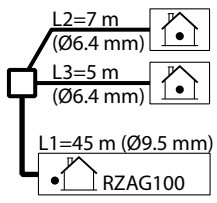
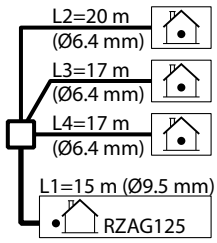
(a) Only for RZAG100~140.
(b) Only for RZAG71.

Size-up liquid pipe size							
	Length (m)						
	0~5	**5~10**	**10~15**	**15~20**	**20~30**	**30~40**	**40~45**
R1:	0.35	0.7	1.05 [a]	1.4 [a]	-	-	-
R2:	0.35		0.7 [a]		1.05 [a]	1.4 [a]	-

(a) Only for RZAG100~140.

3. Determine the additional refrigerant amount: R=R1+R2.

Examples

Layout	Additional refrigerant amount (R)		
	Case: Twin, standard liquid pipe size		
	1.	G1	Total Ø9.5 => G1=45 m
		G2	Total Ø6.4 => G2=7+5=12 m
	2.	Case: G1>40 m	
		R1	Length=G1−40 m=5 m => R1=0.35 kg
		R2	Length=G2=12 m => R2=0.4 kg
	3.	R	R=R1+R2=0.35+0.4=0.75 kg
	Case: Triple, standard liquid pipe size		
	1.	G1	Total Ø9.5 => G1=15 m
		G2	Total Ø6.4 => G2=20+17+17=54 m
	2.	Case: G1≤40 m (and G1+G2>40 m)	
		R1	R1=0.0 kg
		R2	Length=G1+G2−40 m=15+54−40=29 m => R2=0.6 kg
	3.	R	R=R1+R2=0.0+0.6=0.6 kg

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RZASG71-100MV1

								Compressor		OFM		IFM	
Indoor		Outdoor	Power supply	Voltage range		MCA	TOCA	MFA	MSC	RLA	kW	FLA	kW	FLA
FCAG35BVEB	x2	RZASG71M2V1B	50Hz ~ 220-240V	Minimum: ·198 V·	Maximum ·264 V·	17.6	–	20	–	15.4	0.094	0.9	0.044 x2	0.3 x2
FCAG71BVEB		RZASG71M2V1B				17.4	–	20	–	15.4	0.094	0.9	0.054	0.4
FFA35A2VEB	x2	RZASG71M2V1B				17.8	–	20	–	15.4	0.094	0.9	0.050 x2	0.4 x2
FBA35A2VEB	x2	RZASG71M2V1B				18.2	–	20	–	15.4	0.094	0.9	0.089 x2	0.6 x2
FBA71A2VEB		RZASG71M2V1B				17.5	–	20	–	15.4	0.094	0.9	0.07	0.5
FNA35A2VEB	x2	RZASG71M2V1B				17.3	–	20	–	15.4	0.094	0.9	0.034 x2	0.3
FUA71AVEB9		RZASG71M2V1B				17.9	–	20	–	15.4	0.094	0.9	0.046	0.9
FAA71BUV1B		RZASG71M2V1B				17.4	–	20	–	15.4	0.094	0.9	0.048	0.5
FVA71AMVEB		RZASG71M2V1B				17.6	–	20	–	15.4	0.094	0.9	0.117	0.6
FDXM35F3V1B	x2	RZASG71M2V1B				17.6	–	20	–	15.4	0.094	0.9	0.034 x2	0.3 x2
FHA35AVEB98	x2	RZASG71M2V1B				18.2	–	20	–	15.4	0.094	0.9	0.090 x2	0.6 x2
FHA71AVEB98		RZASG71M2V1B				17.8	–	20	–	15.4	0.094	0.9	0.110	0.8
FCAG35BVEB	x3	RZASG100M7V1B	50Hz ~ 220-240V	Minimum: ·198 V·	Maximum ·264 V·	21.7	–	25	–	19.0	0.2	1	0.044 x3	0.3 x3
FCAG50BVEB	x2	RZASG100M7V1B				21.4	–	25	–	19.0	0.2	1	0.039 x2	0.3 x2
FCAG100BVEB		RZASG100M7V1B				21.5	–	25	–	19.0	0.2	1	0.117	0.7
FFA35A2VEB	x3	RZASG100M7V1B				22.0	–	25	–	19.0	0.2	1	0.050 x3	0.4 x3
FFA50A2VEB	x2	RZASG100M7V1B				21.6	–	25	–	19.0	0.2	1	0.050 x2	0.4 x2
FBA35A2VEB	x3	RZASG100M7V1B				22.7	–	25	–	19.0	0.2	1	0.089 x3	0.6 x3
FBA50A2VEB	x2	RZASG100M7V1B				22.0	–	25	–	19.0	0.2	1	0.089 x2	0.6 x2
FBA100A2VEB		RZASG100M7V1B				21.8	–	25	–	19.0	0.2	1	0.127	1
FNA35A2VEB	x3	RZASG100M7V1B				21.7	–	25	–	19.0	0.2	1	0.034 x3	0.3 x3
FNA50A2VEB	x2	RZASG100M7V1B				21.8	–	25	–	19.0	0.2	1	0.060 x2	0.5 x2
FUA100AVEB9		RZASG100M7V1B				22.2	–	25	–	19.0	0.2	1	0.106	1.3
FAA100BUV1B		RZASG100M7V1B				21.7	–	25	–	19.0	0.2	1	0.064	0.9
FVA100AMVEB		RZASG100M7V1B				22.0	–	25	–	19.0	0.2	1	0.238	1.2
FDXM35F3V1B	x3	RZASG100M7V1B				21.7	–	25	–	19.0	0.2	1	0.034 x3	0.3 x3
FDXM50F3V1B	x2	RZASG100M7V1B				21.8	–	25	–	19.0	0.2	1	0.060 x2	0.5 x2
FHA35AVEB98	x3	RZASG100M7V1B				22.7	–	25	–	19.0	0.2	1	0.090 x3	0.6 x3
FHA50AVEB98	x2	RZASG100M7V1B				22.0	–	25	–	19.0	0.2	1	0.090 x2	0.6 x2
FHA100AVEB8		RZASG100M7V1B				22.2	–	25	–	19.0	0.2	1	0.172	1.3

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RZASG125-140MV1

								Compressor		OFM		IFM	
Indoor		Outdoor	Power supply	Voltage range		MCA	TOCA	MFA	MSC	RLA	kW	FLA	kW	FLA
FCAG35BVEB	x4	RZASG125M7V1B	50Hz ~ 220-240V	Minimum: ·198 V·	Maximum ·264 V·	28.0	–	32	–	24.7	0.2	1	0.044 x4	0.3 x4
FCAG50BVEB	x3	RZASG125M7V1B				27.7	–	32	–	24.7	0.2	1	0.039 x3	0.3 x3
FCAG60BVEB	x2	RZASG125M7V1B				27.4	–	32	–	24.7	0.2	1	0.044 x2	0.3 x2
FCAG125BVEB		RZASG125M7V1B				27.8	–	32	–	24.7	0.2	1	0.168	1
FFA35A2VEB	x4	RZASG125M7V1B				28.4	–	32	–	24.7	0.2	1	0.050 x4	0.4 x4
FFA50A2VEB	x3	RZASG125M7V1B				28.0	–	32	–	24.7	0.2	1	0.050 x3	0.4 x3
FFA60A2VEB	x2	RZASG125M7V1B				28.0	–	32	–	24.7	0.2	1	0.050 x2	0.6 x2
FBA35A2VEB	x4	RZASG125M7V1B				29.2	–	32	–	24.7	0.2	1	0.089 x4	0.6 x4
FBA50A2VEB	x3	RZASG125M7V1B				28.6	–	32	–	24.7	0.2	1	0.089 x3	0.6 x3
FBA60A2VEB	x2	RZASG125M7V1B				27.8	–	32	–	24.7	0.2	1	0.070 x2	0.5 x2
FBA125A2VEB		RZASG125M7V1B				28.3	–	32	–	24.7	0.2	1	0.187	1.5
FNA35A2VEB	x4	RZASG125M7V1B				28.0	–	32	–	24.7	0.2	1	0.034 x4	0.3 x4
FNA50A2VEB	x3	RZASG125M7V1B				28.3	–	32	–	24.7	0.2	1	0.060 x3	0.5 x3
FNA60A2VEB	x2	RZASG125M7V1B				27.8	–	32	–	24.7	0.2	1	0.060 x2	0.5 x2
FUA125AVEB9		RZASG125M7V1B				28.2	–	32	–	24.7	0.2	1	0.106	1.4
FDA125A5VEB		RZASG125M7V1B				28.9	–	32	–	24.7	0.2	1	0.35	2.1
FVA125AMVEB		RZASG125M7V1B				28.0	–	32	–	24.7	0.2	1	0.238	1.2
FDXM35F3V1B	x4	RZASG125M7V1B				28.0	–	32	–	24.7	0.2	1	0.034 x4	0.3 x4
FDXM50F3V1B	x3	RZASG125M7V1B				28.3	–	32	–	24.7	0.2	1	0.060 x3	0.5 x3
FDXM60F3V1B	x2	RZASG125M7V1B				27.8	–	32	–	24.7	0.2	1	0.060 x2	0.5 x2
FHA35AVEB98	x4	RZASG125M7V1B				29.2	–	32	–	24.7	0.2	1	0.090 x4	0.6 x4
FHA50AVEB98	x3	RZASG125M7V1B				28.6	–	32	–	24.7	0.2	1	0.090 x3	0.6 x3
FHA60AVEB98	x2	RZASG125M7V1B				28.0	–	32	–	24.7	0.2	1	0.091 x2	0.6 x2
FHA125AVEB8		RZASG125M7V1B				28.3	–	32	–	24.7	0.2	1	0.217	1.5
FCAG35BVEB	x4	RZASG140M7V1B	50Hz ~ 220-240V	Minimum: ·198 V·	Maximum ·264 V·	27.2	–	32	–	24	0.2	1	0.044 x4	0.3 x4
FCAG50BVEB	x3	RZASG140M7V1B				26.9	–	32	–	24	0.2	1	0.039 x3	0.3 x3
FCAG71BVEB	x2	RZASG140M7V1B				26.8	–	32	–	24	0.2	1	0.054 x2	0.4 x2
FCAG140BVEB		RZASG140M7V1B				27.0	–	32	–	24	0.2	1	0.168	1
FFA35A2VEB	x4	RZASG140M7V1B				27.7	–	32	–	24	0.2	1	0.050 x4	0.4 x4
FFA50A2VEB	x3	RZASG140M7V1B				27.2	–	32	–	24	0.2	1	0.050 x3	0.4 x3
FBA35A2VEB	x4	RZASG140M7V1B				28.5	–	32	–	24	0.2	1	0.089 x4	0.6 x4
FBA50A2VEB	x3	RZASG140M7V1B				27.9	–	32	–	24	0.2	1	0.089 x3	0.6 x3
FBA71A2VEB	x2	RZASG140M7V1B				27.0	–	32	–	24	0.2	1	0.070 x2	0.5 x2
FBA140A2VEB		RZASG140M7V1B				27.6	–	32	–	24	0.2	1	0.187	1.5
FNA35A2VEB	x4	RZASG140M7V1B				27.2	–	32	–	24	0.2	1	0.034 x4	0.3 x4
FNA50A2VEB	x3	RZASG140M7V1B				27.6	–	32	–	24	0.2	1	0.060 x3	0.5 x3
FUA71AVEB9	x2	RZASG140M7V1B				27.9	–	32	–	24	0.2	1	0.046 x2	0.9 x2
FAA71BUV1B	x2	RZASG140M7V1B				26.8	–	32	–	24	0.2	1	0.048 x2	0.4 x2
FVA71AMVEB	x2	RZASG140M7V1B				27.2	–	32	–	24	0.2	1	0.117 x2	0.6 x2
FVA140AMVEB		RZASG140M7V1B				27.5	–	32	–	24	0.2	1	0.276	1.4
FDXM35F3V1B	x4	RZASG140M7V1B				27.2	–	32	–	24	0.2	1	0.034 x4	0.3 x4
FDXM50F3V1B	x3	RZASG140M7V1B				27.6	–	32	–	24	0.2	1	0.060 x3	0.5 x3
FHA35AVEB98	x4	RZASG140M7V1B				28.5	–	32	–	24	0.2	1	0.090 x4	0.6 x4
FHA50AVEB98	x3	RZASG140M7V1B				27.9	–	32	–	24	0.2	1	0.090 x3	0.6 x3
FHA71AVEB98	x2	RZASG140M7V1B				27.7	–	32	–	24	0.2	1	0.110 x2	0.8 x2
FHA140AVEB8		RZASG140M7V1B				27.9	–	32	–	24	0.2	1	0.251	1.8

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RZASG100MY1

Indoor		Outdoor	Power supply	Voltage range		MCA	TOCA	MFA	Compressor MSC	Compressor RLA	OFM kW	OFM FLA	IFM kW	IFM FLA
FCAG35BVEB	x3	RZASG100M7Y1B				13.0	–	16	–	10.6	0.2	1	0.044 x3	0.3 x3
FCAG50BVEB	x2	RZASG100M7Y1B				12.7	–	16	–	10.6	0.2	1	0.039 x2	0.3 x2
FCAG100BVEB		RZASG100M7Y1B				14.2	–	16	–	12	0.2	1	0.117	0.7
FFA35A2VEB	x3	RZASG100M7Y1B				13.3	–	16	–	10.6	0.2	1	0.050 x3	0.4 x3
FFA50A2VEB	x2	RZASG100M7Y1B				12.9	–	16	–	10.6	0.2	1	0.050 x2	0.4 x2
FBA35A2VEB	x3	RZASG100M7Y1B				13.9	–	16	–	10.6	0.2	1	0.089 x3	0.6 x3
FBA50A2VEB	x2	RZASG100M7Y1B				13.3	–	16	–	10.6	0.2	1	0.089 x2	0.6 x2
FBA100A2VEB		RZASG100M7Y1B				14.6	–	16	–	12	0.2	1	0.127	1
FNA35A2VEB	x3	RZASG100M7Y1B	3N~ 50Hz	Minimum:	Maximum	13.0	–	16	–	10.6	0.2	1	0.034 x3	0.3 x3
FNA50A2VEB	x2	RZASG100M7Y1B	380-415V	·342 V·	·456 V·	13.1	–	16	–	10.6	0.2	1	0.060 x2	0.5 x2
FUA100AVEB9		RZASG100M7Y1B				14.9	–	16	–	12	0.2	1	0.106	1.3
FAA100BUV1B		RZASG100M7Y1B				14.4	–	16	–	12	0.2	1	0.064	0.9
FVA100AMVEB		RZASG100M7Y1B				14.8	–	16	–	12	0.2	1	0.238	1.2
FDXM35F3V1B	x3	RZASG100M7Y1B				13.0	–	16	–	10.6	0.2	1	0.034 x3	0.3 x3
FDXM50F3V1B	x2	RZASG100M7Y1B				13.1	–	16	–	10.6	0.2	1	0.060 x2	0.5 x2
FHA35AVEB98	x3	RZASG100M7Y1B				13.9	–	16	–	10.6	0.2	1	0.090 x3	0.6 x3
FHA50AVEB98	x2	RZASG100M7Y1B				13.3	–	16	–	10.6	0.2	1	0.090 x2	0.6 x2
FHA100AVEB8		RZASG100M7Y1B				14.9	–	16	–	12	0.2	1	0.172	1.3

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RZASG125-140MY1

Indoor		Outdoor	Power supply	Voltage range		MCA	TOCA	MFA	Compressor MSC	Compressor RLA	OFM kW	OFM FLA	IFM kW	IFM FLA
FCAG35BVEB	x4	RZASG125M7Y1B				12.2	–	16	–	9.5	0.2	1	0.044 x4	0.3 x4
FCAG50BVEB	x3	RZASG125M7Y1B				13.0	–	16	–	10.6	0.2	1	0.039 x3	0.3 x3
FCAG60BVEB	x2	RZASG125M7Y1B				12.7	–	16	–	10.6	0.2	1	0.044 x2	0.3 x2
FCAG125BVEB		RZASG125M7Y1B				14.6	–	16	–	12	0.2	1	0.168	1
FFA35A2VEB	x4	RZASG125M7Y1B				12.6	–	16	–	9.5	0.2	1	0.050 x4	0.4 x4
FFA50A2VEB	x3	RZASG125M7Y1B				13.3	–	16	–	10.6	0.2	1	0.050 x3	0.4 x3
FFA60A2VEB	x2	RZASG125M7Y1B				13.3	–	16	–	10.6	0.2	1	0.050 x2	0.6 x2
FBA35A2VEB	x4	RZASG125M7Y1B				13.4	–	16	–	9.5	0.2	1	0.089 x4	0.6 x4
FBA50A2VEB	x3	RZASG125M7Y1B				13.9	–	16	–	10.6	0.2	1	0.089 x3	0.6 x3
FBA60A2VEB	x2	RZASG125M7Y1B				13.1	–	16	–	10.6	0.2	1	0.070 x2	0.5 x2
FBA125A2VEB		RZASG125M7Y1B				15.1	–	16	–	12	0.2	1	0.187	1.5
FNA35A2VEB	x4	RZASG125M7Y1B	3N~ 50Hz	Minimum:	Maximum	12.2	–	16	–	9.5	0.2	1	0.034 x4	0.3 x4
FNA50A2VEB	x3	RZASG125M7Y1B	380-415V	·342 V·	·456 V·	13.6	–	16	–	10.6	0.2	1	0.060 x3	0.5 x3
FNA60A2VEB	x2	RZASG125M7Y1B				13.1	–	16	–	10.6	0.2	1	0.060 x2	0.5 x2
FUA125AVEB9		RZASG125M7Y1B				15.0	–	16	–	12	0.2	1	0.106	1.4
FDA125A5VEB		RZASG125M7Y1B				15.7	–	16	–	12	0.2	1	0.35	2.1
FVA125AMVEB		RZASG125M7Y1B				14.8	–	16	–	12	0.2	1	0.238	1.2
FDXM35F3V1B	x4	RZASG125M7Y1B				12.2	–	16	–	9.5	0.2	1	0.034 x4	0.3 x4
FDXM50F3V1B	x3	RZASG125M7Y1B				13.6	–	16	–	10.6	0.2	1	0.060 x3	0.5 x3
FDXM60F3V1B	x2	RZASG125M7Y1B				13.1	–	16	–	10.6	0.2	1	0.060 x2	0.5 x2
FHA35AVEB98	x4	RZASG125M7Y1B				13.4	–	16	–	9.5	0.2	1	0.090 x4	0.6 x4
FHA50AVEB98	x3	RZASG125M7Y1B				13.9	–	16	–	10.6	0.2	1	0.090 x3	0.6 x3
FHA60AVEB98	x2	RZASG125M7Y1B				13.3	–	16	–	10.6	0.2	1	0.091 x2	0.6 x2
FHA125AVEB8		RZASG125M7Y1B				15.1	–	16	–	12	0.2	1	0.217	1.5
FCAG35BVEB	x4	RZASG140M7Y1B				12.2	–	16	–	9.5	0.2	1	0.044 x4	0.3 x4
FCAG50BVEB	x3	RZASG140M7Y1B				12.9	–	16	–	10.5	0.2	1	0.039 x3	0.3 x3
FCAG71BVEB	x2	RZASG140M7Y1B				14.4	–	16	–	12	0.2	1	0.054 x2	0.4 x2
FCAG140BVEB		RZASG140M7Y1B				14.6	–	16	–	12	0.2	1	0.168	1
FFA35A2VEB	x4	RZASG140M7Y1B				12.6	–	16	–	9.5	0.2	1	0.050 x4	0.4 x4
FFA50A2VEB	x3	RZASG140M7Y1B				13.2	–	16	–	10.5	0.2	1	0.050 x3	0.4 x3
FBA35A2VEB	x4	RZASG140M7Y1B				13.4	–	16	–	9.5	0.2	1	0.089 x4	0.6 x4
FBA50A2VEB	x3	RZASG140M7Y1B				13.8	–	16	–	10.5	0.2	1	0.089 x3	0.6 x3
FBA71A2VEB	x2	RZASG140M7Y1B				14.6	–	16	–	12	0.2	1	0.070 x2	0.5 x2
FBA140A2VEB		RZASG140M7Y1B				15.1	–	16	–	12	0.2	1	0.187	1.5
FNA35A2VEB	x4	RZASG140M7Y1B	3N~ 50Hz	Minimum:	Maximum	12.2	–	16	–	9.5	0.2	1	0.034 x4	0.3 x4
FNA50A2VEB	x3	RZASG140M7Y1B	380-415V	·342 V·	·456 V·	13.5	–	16	–	10.5	0.2	1	0.060 x3	0.5 x3
FUA71AVEB9	x2	RZASG140M7Y1B				15.4	–	16	–	12	0.2	1	0.046 x2	0.9 x2
FAA71BUV1B	x2	RZASG140M7Y1B				14.4	–	16	–	12	0.2	1	0.048 x2	0.4 x2
FVA71AMVEB	x2	RZASG140M7Y1B				14.8	–	16	–	12	0.2	1	0.117 x2	0.6 x2
FVA140AMVEB		RZASG140M7Y1B				15.0	–	16	–	12	0.2	1	0.276	1.4
FDXM35F3V1B	x4	RZASG140M7Y1B				12.2	–	16	–	9.5	0.2	1	0.034 x4	0.3 x4
FDXM50F3V1B	x3	RZASG140M7Y1B				13.5	–	16	–	10.5	0.2	1	0.060 x3	0.5 x3
FHA35AVEB98	x4	RZASG140M7Y1B				13.4	–	16	–	9.5	0.2	1	0.090 x4	0.6 x4
FHA50AVEB98	x3	RZASG140M7Y1B				13.8	–	16	–	10.5	0.2	1	0.090 x3	0.6 x3
FHA71AVEB98	x2	RZASG140M7Y1B				15.2	–	16	–	12	0.2	1	0.110 x2	0.8 x2
FHA140AVEB8		RZASG140M7Y1B				15.4	–	16	–	12	0.2	1	0.251	1.8

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RZASG-MV1/MY1

Symbols		
MCA	Minimum Circuit Ampere	[A]
TOCA	Total overcurrent amps	[A]
MFA	Maximum Fuse Ampere	[A]
MSC	Maximum current of the starting compressor	[A]
RLA	Rated load amps	[A]
OFM	Outdoor fan motor	
IFM	Indoor fan motor	
FLA	Full Load Ampere	[A]
kW	Fan motor rated output	[kW]

Notes

1 The ·RLA· is based on the following conditions.
Cooling
Indoor temperature ·27.0·°C DB / ·19.0·°C WB
Outdoor temperature ·35.0·°C DB
Heating
Indoor temperature ·20.0·°C DB
Outdoor temperature ·7.0·°C DB / ·6.0·°C WB
2 ·TOCA· is the total value of each overcurrent set.
3 Voltage range
The units are suitable for use with electrical systems in which the voltage supplied to the unit terminals is not below or above the listed range limits.
4 The maximum allowable voltage that is unbalanced between phases is ·2·%.
5 ·MCA· is the maximum input current.
The capacity of the ·MFA· must be greater than that of the ·MCA·.
Select the ·MFA· according to the table.
6 Select the wire size according to the MCA.
7 ·MFA· is used to select the circuit breaker and the ground fault circuit interruptor.
Earth leakage circuit breaker

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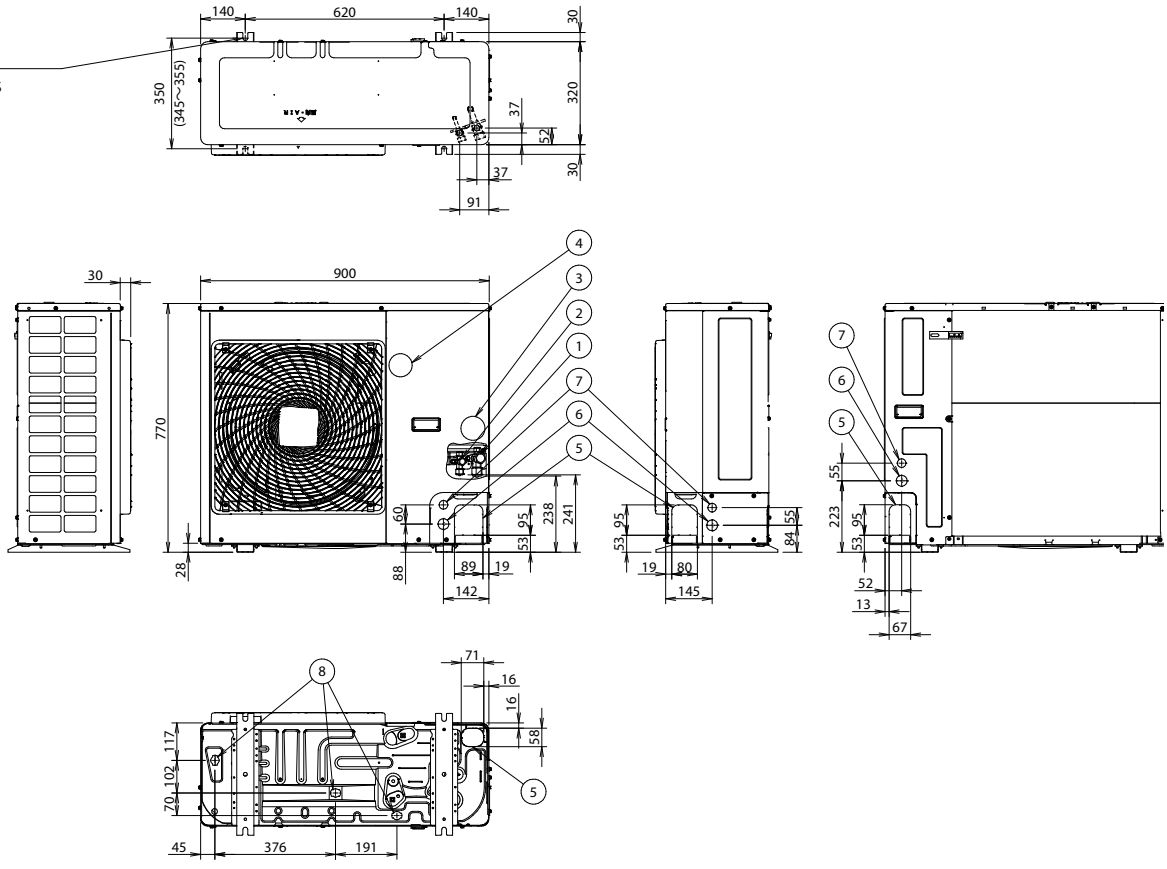
RZASG71MV1

4 holes for anchor bolts
M12



1	Gas pipe connection ·Ø15.9· flare
2	Liquid pipe connection ·Ø9.5· flare
3	Service port (in the unit)
4	Electronic connection and grounding terminal ·M5· (in the switch box)
5	Refrigerant piping intake
6	Power supply wiring intake (knockout hole Ø34)
7	Control wiring intake (knockout hole Ø27)
8	Drain outlet

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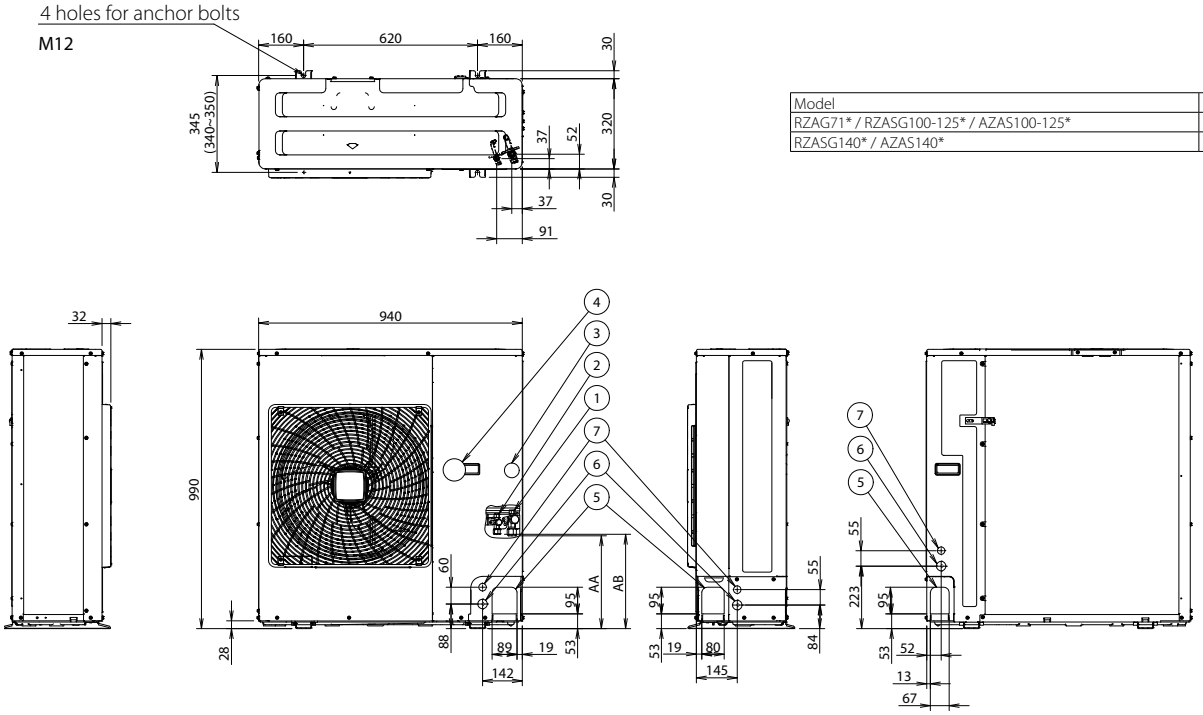
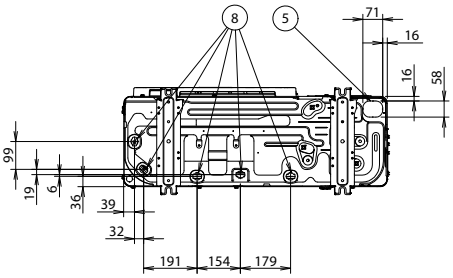
RZASG100-140MV1/MY1



Model	AA	AB
RZAG71* / RZASG100-125* / AZAS100-125*	331	337
RZASG140* / AZAS140*	414	420



1	Gas pipe connection ·Ø15.9· flare
2	Liquid pipe connection ·Ø9.5· flare
3	Service port (in the unit)
4	Electronic connection and grounding terminal ·M5· (in the switch box)
5	Refrigerant piping intake
6	Power supply wiring intake (knockout hole Ø34)
7	Control wiring intake (knockout hole Ø27)
8	Drain outlet

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RZASG-MV1/MY1

Installation service space

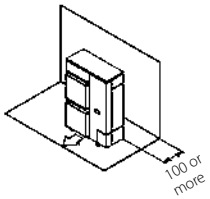
The measure of these values is "mm".

(A) When there are obstacles on suction sides.

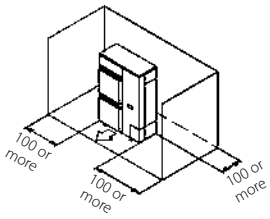
- **No obstacle above**

(1) Stand-alone installation

- Obstacle on the suction side only

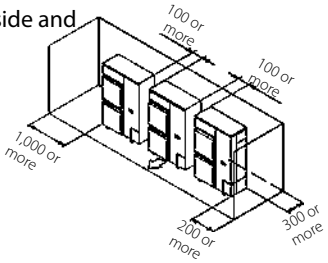


- Obstacle on both sides and suction side, too



(2) Series installation (2 or more) (note 1)

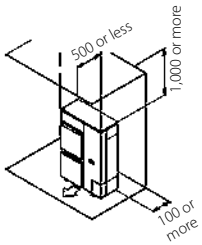
- Obstacle on the suction side and both sides



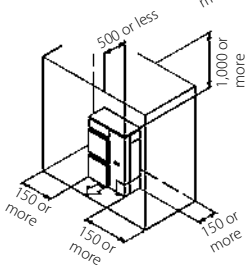
- **Obstacle above, too**

(1) Stand-alone installation

- Obstacle on the suction side, too

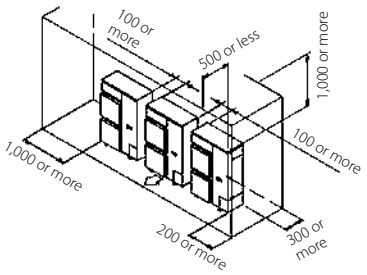


- Obstacle on both sides and suction side, too



(2) Series installation (2 or more) (note 1)

- Obstacle on the suction side and both sides

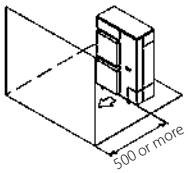


(B) When there are obstacles on discharge sides.

- **No obstacle above**

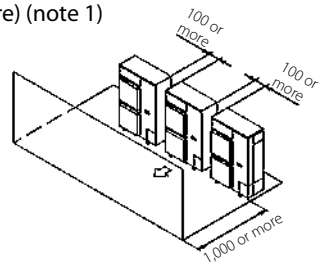
(1) Stand-alone installation

- Obstacle on the discharge side only



(2) Series installation (2 or more) (note 1)

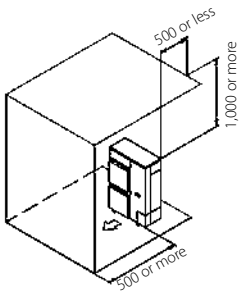
- Obstacle on the suction side only



- **Obstacle above, too**

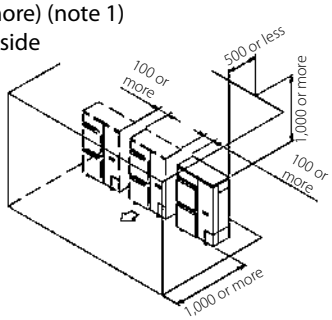
(1) Stand-alone installation

- Obstacle on the discharge side only, too



(2) Series installaton (2 or more) (note 1)

- Obstacle on discharge side



(C) When there are obstacles on both suction and discharge sides:

Pattern 1

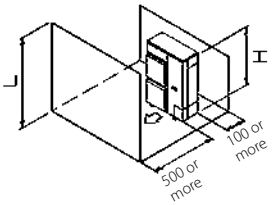
When the obstades on the discharge side is higher than the unit. (L > H)

(There is no limit for the height of obstructions on the suction side.)

- **No obstacle above**

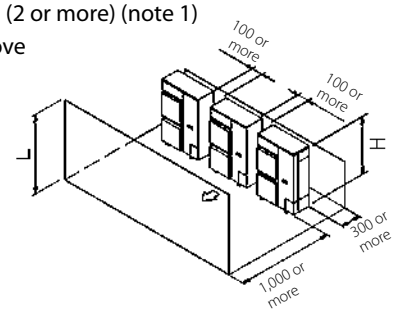
(1) Stand-alone installation

- No obstacle above



(2) Series installation (2 or more) (note 1)

- No obstacle above



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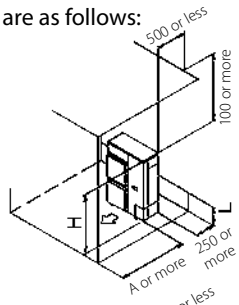
RZASG-MV1/MY1

- **Obstacle above, too**

(1) Stand-alone installation (note 2)

- When there are obstacles on suction, discharge and top sides. The relations between H, A and L are as follows:

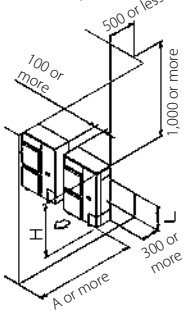
	L	A
L ≤ H	L ≤ 1/2H	750 or more
	1/2H < L ≤ H	1,000 or more
H < L	Set the stand as: L ≤ H Refer to the column of L ≤ H for A	



(2) Series installation (2 or more) (note 1,2)

- When there are obstacles on suction, discharge and top sides. The relations between H, A and L are as follows:

	L	A
L ≤ H	L ≤ 1/2H	1,000 or more
	1/2H < L ≤ H	1,250 or more
H < L	Set the stand as: L ≤ H Refer to the column of L ≤ H for A	



Limit of series installation is 2 units.

Pattern 2

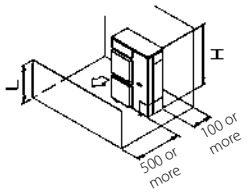
When the obstade on the discharge side is lower than the unit (L ≤ H)

(There is no limit for the height of obstructions on the suction side.)

- **No obstacle above**

(1) Stand-alone installation

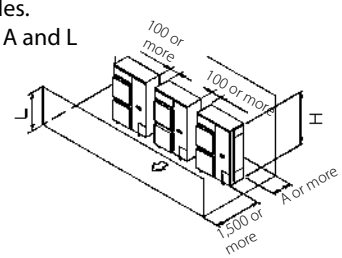
- No obstacle above



(2) Series installation (2 or more) (note 1, 2)

- When there are obstacles on both suction and discharge sides. The relations between H, A and L are as follows.

L	A
L ≤ 1/2H	250 or more
1/2H < L ≤ H	300 or more

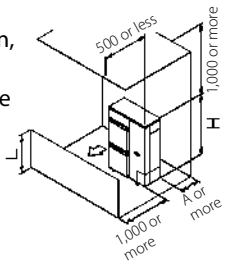


- **Obstacle above**

(1) Stand-alone installation (note 2)

- When there are obstacles on suction, discharge and top sides. The relations between H, A and L are as follows.

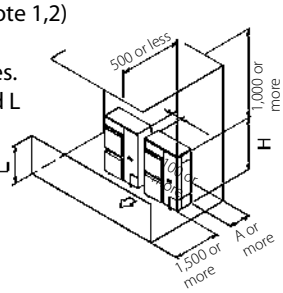
	L	A
L ≤ H	L ≤ 1/2H	100 or more
	1/2H < L ≤ H	200 or more
H < L	Set the stand as: L ≤ H Refer to the column of L ≤ H for A	



(2) Series installation (2 or more) (note 1,2)

- When there are obstacles on suction, discharge and top sides. The relations between H, A and L are as follows.

	L	A
L ≤ H	L ≤ 1/2H	250 or more
	1/2H < L ≤ H	300 or more
H < L	Set the stand as: L ≤ H Refer to the column of L ≤ H for A	

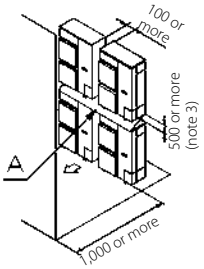


Limit of series installation is 2 units.

(D) Double-decker installation

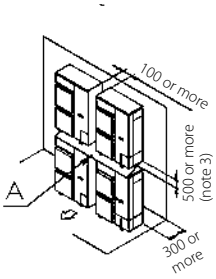
(1) Obstacle on the discharge side. (1)

- Do not exceed two levels for stacked installation.
- Install a roof cover similar to A (field supply), as outdoor units with downward drainage are prone to dripping and freezing.
- Install the upper-level outdoor unit so that its bottom plate is a sufficient height above the roof cover. This is to prevent the buildup of ice on the underside of the bottom plate.



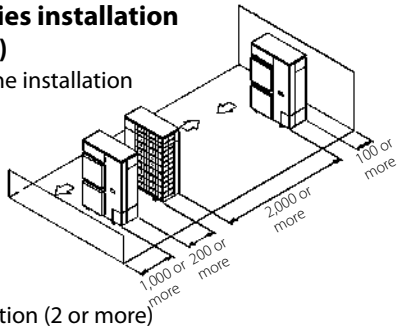
(2) Obstacle on the suction side. (1)

- Do not exceed two levels for stacked installation.
- Install a roof cover similar to A (field supply), as outdoor units with downward drainage are prone to dripping and freezing.
- Install the upper-level outdoor unit so that its bottom plate is a sufficient height above the roof cover. This is to prevent the buildup of ice on the underside of the bottom plate.



(E) Multiple rows of series installation (on the rooftop, etc.)

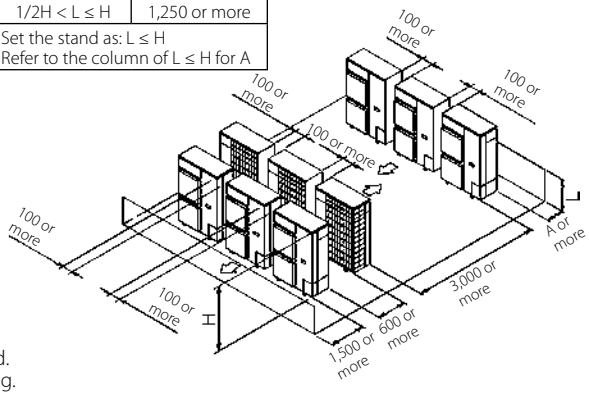
(1) One row of stand-alone installation



(2) Rows of series installation (2 or more)

The relations between H, A and L are as follows.

	L	A
L ≤ H	L ≤ 1/2H	1,000 or more
	1/2H < L ≤ H	1,250 or more
H < L	Set the stand as: L ≤ H Refer to the column of L ≤ H for A	



NOTES

1. In case of the sideway's piping, make a 100mm gap between the unit above.
2. Close the bottom of the installation frame to prevent the discharged air from being bypassed.
3. It is not necessary to install a roof cover if there is no danger of drainage dripping and freezing. In this case, the space between the upper and lower outdoor units should be at least 100mm. Close off the gap between the upper and lower units so there is no reintake of discharged air.

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RZASG-MV1/MY1

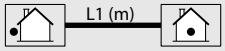
To determine if adding additional refrigerant is necessary

If	Then
(L1+L2+L3+L4+L5+L6+L7)≤ 30 m (chargeless length)	You do not have to add additional refrigerant.
(L1+L2+L3+L4+L5+L6+L7)> 30 m (chargeless length)	You must add additional refrigerant. For future servicing, encircle the selected amount in the tables below.

INFORMATION

Piping length is the largest one way length of liquid piping.

To determine the additional refrigerant amount (R in kg) (in case of pair)

		
L1:	**30~40 m**	**40~50 m**
R:	0.35 kg	0.7 kg

To determine the additional refrigerant amount (R in kg) (in case of twin, triple and double twin)

1. Determine R1 and R2.

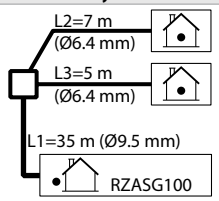
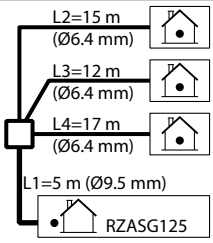
If	Then
G1>30 m	Use the table below to determine R1
G1≤30 m (and G1+G2>30 m)	R1=0.0 kg. Use the table below to determine R2.

	Length (total length of liquid piping−30 m)				
	0~10 m	**10~20 m**	**20~30 m**	**30~40 m**	**40~45 m**
R1:	0.35 kg	0.7 kg	1.05 kg[a]	1.4 kg[a]	
R2:	0.2 kg	0.4 kg	0.6 kg	0.8 kg[a]	1 kg[b]

a) Only for RZASG100~140.
b) Only for RZASG100+125.

2. Determine the additional refrigerant amount: R=R1+R2.

Examples

Layout	Additional refrigerant amount (R)		
	Case: Twin, standard liquid pipe size		
	1.	G1	Total Ø9.5 => G1=35 m
		G2	Total Ø6.4 => G2=7+5=12 m
	2.	Case: G1>30 m	
		R1	Length=G1−30 m=5 m => R1=0.35 kg
		R2	Length=G2=12 m => R2=0.4 kg
	3.	R	R=R1+R2=0.35+0.4=0.75 kg
	Case: Triple, standard liquid pipe size		
	1.	G1	Total Ø9.5 => G1=5 m
		G2	Total Ø6.4 => G2=15+12+17=44 m
	2.	Case: G1≤30 m (and G1+G2>30 m)	
		R1	R1=0.0 kg
		R2	Length=G1+G2−30 m = 5+44−30=19 m => R2=0.4 kg
	3.	R	R=R1+R2=0.0+0.4=0.4 kg

RZA-D

Indoor		Outdoor	Power supply	Voltage range		MCA	TOCA	MFA	Compressor MSC	Compressor RLA	OFM kW	OFM FLA	IFM FLA
FDA200A2VEB		RZA200D7Y1B	3N~ 50Hz 380-415V	Minimum: ·342 V·	Maximum ·457 V·	16.9	–	20	–	14.0	0.6	1.3	4.0
FCAG50BVEB	x4	RZA200D7Y1B				16.1	–	20	–	13.0	0.6	1.3	0.3 x4
FCAG60BVEB	x3	RZA200D7Y1B				16.7	–	20	–	13.9	0.6	1.3	0.3 x3
FCAG71BVEB	x3	RZA200D7Y1B				16.7	–	20	–	13.9	0.6	1.3	0.3 x3
FCAG100BVEB	x2	RZA200D7Y1B				16.4	–	20	–	13.1	0.6	1.3	0.7 x2
FFA50A2VEB	x4	RZA200D7Y1B				16.5	–	20	–	13.0	0.6	1.3	0.4 x4
FFA60A2VEB	x3	RZA200D7Y1B				17.7	–	20	–	13.9	0.6	1.3	0.6 x3
FBA50A2VEB	x4	RZA200D7Y1B				20.5	–	20	–	13.0	0.6	1.3	1.4 x4
FBA60A2VEB	x3	RZA200D7Y1B				19.7	–	20	–	13.9	0.6	1.3	1.3 x3
FBA71A2VEB	x3	RZA200D7Y1B				19.7	–	20	–	13.9	0.6	1.3	1.3 x3
FBA100A2VEB	x2	RZA200D7Y1B				22	–	20	–	13.1	0.6	1.3	3.5 x2
FHA50AVEB98	x4	RZA200D7Y1B				17.4	–	20	–	13.0	0.6	1.3	0.6 x4
FHA60AVEB98	x3	RZA200D7Y1B				17.7	–	20	–	13.9	0.6	1.3	0.6 x3
FHA71AVEB98	x3	RZA200D7Y1B				18.3	–	20	–	13.9	0.6	1.3	0.8 x3
FHA100AVEB8	x2	RZA200D7Y1B				17.7	–	20	–	13.1	0.6	1.3	1.3 x2
FUA71AVEB	x3	RZA200D7Y1B				18.6	–	20	–	13.9	0.6	1.3	0.9 x3
FUA100AVEB	x2	RZA200D7Y1B				17.7	–	20	–	13.1	0.6	1.3	1.3 x2
FAA71BUV1B	x3	RZA200D7Y1B				17.4	–	20	–	13.9	0.6	1.3	0.5 x3
FAA100BUV1B	x2	RZA200D7Y1B				16.8	–	20	–	13.1	0.6	1.3	0.9 x2
FVA71AMVEB	x3	RZA200D7Y1B				18.3	–	20	–	13.9	0.6	1.3	0.8 x3
FVA100AMVEB	x2	RZA200D7Y1B				18.1	–	20	–	13.1	0.6	1.3	1.5 x2
FDXM50F3V1B	x4	RZA200D7Y1B				18.6	–	20	–	13.0	0.6	1.3	0.9 x4
FDXM60F3V1B	x3	RZA200D7Y1B				18.6	–	20	–	13.9	0.6	1.3	0.9 x3
FNA50A2VEB	x4	RZA200D7Y1B				17.0	–	20	–	13.0	0.6	1.3	0.5 x4
FNA60A2VEB	x3	RZA200D7Y1B				17.7	–	20	–	13.9	0.6	1.3	0.6 x3
FDA250A2VEB		RZA250D7Y1B	3N~ 50Hz 380-415V	Minimum: ·342 V·	Maximum ·457 V·	20.2	–	20	–	14.0	0.6	1.3	4.3
FCAG60BVEB	x4	RZA250D7Y1B				17.2	–	20	–	14.0	0.6	1.3	0.3 x4
FCAG125BVEB	x2	RZA250D7Y1B				18.2	–	20	–	13.6	0.6	1.3	1.3 x2
FFA60A2VEB	x4	RZA250D7Y1B				18.4	–	20	–	14.0	0.6	1.3	0.6 x4
FBA60A2VEB	x4	RZA250D7Y1B				21.1	–	20	–	14.0	0.6	1.3	1.3 x4
FBA125A2VEB	x2	RZA250D7Y1B				22.7	–	20	–	13.6	0.6	1.3	3.6 x2
FHA60AVEB98	x4	RZA250D7Y1B				18.4	–	20	–	14.0	0.6	1.3	0.6 x4
FHA125AVEB98	x2	RZA250D7Y1B				18.6	–	20	–	13.6	0.6	1.3	1.5 x2
FUA125AVEB	x2	RZA250D7Y1B				18.4	–	20	–	13.6	0.6	1.3	1.4 x2
FDA125A5VEB	x2	RZA250D7Y1B				19.9	–	20	–	13.6	0.6	1.3	2.1 x2
FVA125AMVEB	x2	RZA250D7Y1B				18.6	–	20	–	13.6	0.6	1.3	1.5 x2
FDXM60F3V1B	x4	RZA250D7Y1B				19.7	–	20	–	14.0	0.6	1.3	0.9 x4
FNA60A2VEB	x4	RZA250D7Y1B				18.4	–	20	–	14.0	0.6	1.3	0.6 x4

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RZA-D

Symbols

MCA	Minimum Circuit Ampere	[A]
TOCA	Total overcurrent amps	[A]
MFA	Maximum Fuse Ampere	[A]
MSC	Maximum current of the starting compressor	[A]
RLA	Rated load amps	[A]
OFM	Outdoor fan motor	
IFM	Indoor fan motor	
FLA	Full Load Ampere	[A]
kW	Fan motor rated output	[kW]

Notes

1 The ·RLA· is based on the following conditions.
Cooling
Indoor temperature ·27.0·°C DB / ·19.0·°C WB
Outdoor temperature ·35.0·°C DB
Heating
Indoor temperature ·20.0·°C DB
Outdoor temperature ·7.0·°C DB / ·6.0·°C WB
2 ·TOCA· is the total value of each overcurrent set.
3 Voltage range
The units are suitable for use with electrical systems in which the voltage supplied to the unit terminals is not below or above the listed range limits.
4 The maximum allowable voltage that is unbalanced between phases is ·2·%.
5 ·MCA· is the maximum input current.
The capacity of the ·MFA· must be greater than that of the ·MCA·.
Select the ·MFA· according to the table.
6 Select the wire size according to the MCA.
7 ·MFA· is used to select the circuit breaker and the ground fault circuit interruptor.
Earth leakage circuit breaker

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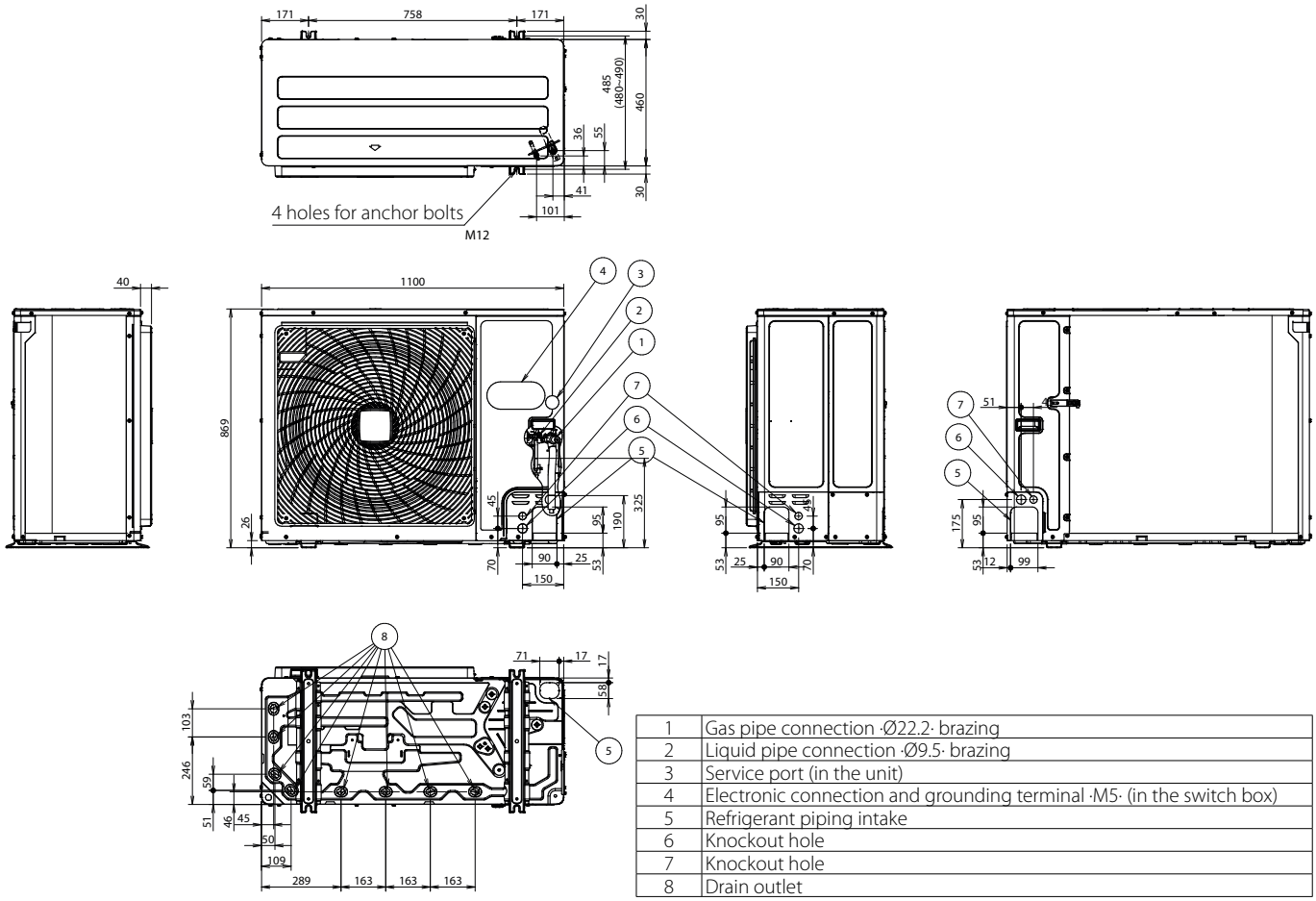
RZA-D



1	Gas pipe connection ·Ø22.2· brazing
2	Liquid pipe connection ·Ø9.5· brazing
3	Service port (in the unit)
4	Electronic connection and grounding terminal ·M5· (in the switch box)
5	Refrigerant piping intake
6	Knockout hole
7	Knockout hole
8	Drain outlet

3D120937

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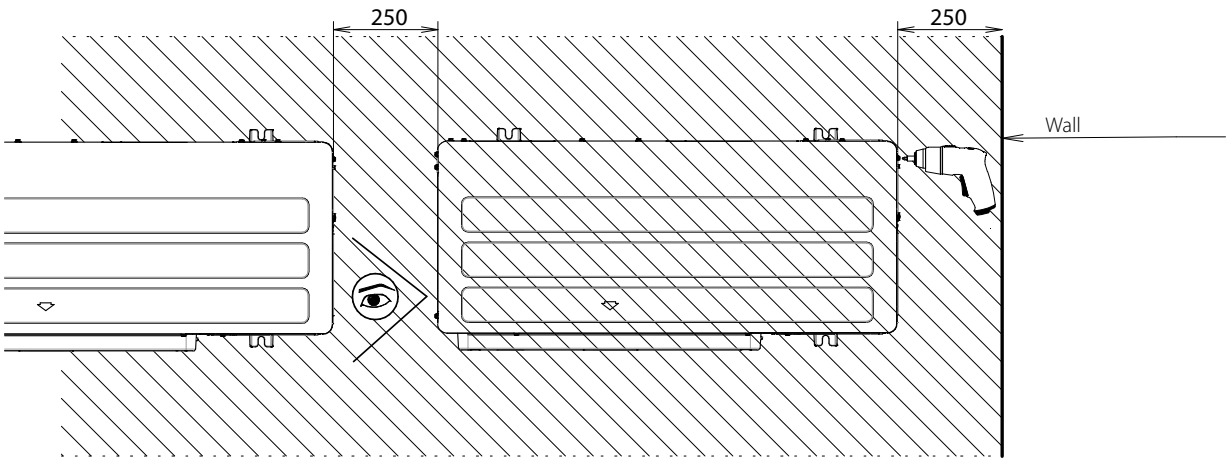

* For optimal serviceability, provide ·250·mm of free space.
For more installation and service space guidelines, see drawing ·3D069554·.

3D110012

RZAG-NV1/NY1
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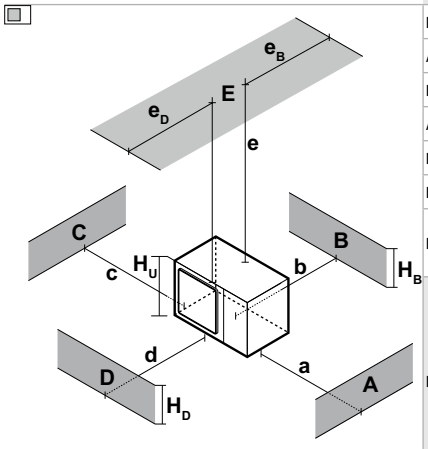
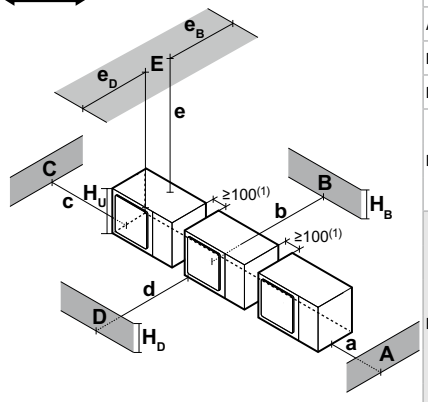
Suction side	In the illustrations below, the service space at the suction side is based on 35°C DB and cooling operation. Foresee more space in the following cases: • When the suction side temperature regularly exceeds this temperature. • When the heat load of the outdoor units is expected to regularly exceed the maximum operating capacity.
Discharge side	Take refrigerant piping work into account when positioning the units. If your layout does not match with any of the layouts below, contact your dealer.

Single unit (□) | Single row of units (□□□)



A~E	H_B H_D H_U		(mm) a	b	c	d	e	e_B	e_D	
B	—			≥100						
A, B, C	—		≥100(1)	≥100	≥100					
B, E	—			≥100			≥1,000		≤500	
A, B, C, E	—		≥150(1)	≥150	≥150		≥1,000		≤500	
D	—					≥500				
D, E	—					≥500	≥1,000	≥500		
B, D	$H_D>H_U$			≥100		≥500				
	$H_D≤H_U$			≥100		≥500				
B, D, E	$H_D>H_U$	$H_B≤½H_U$		≥250		≥750	≥1,000	≤500		1
		$½H_U<H_B≤H_U$		≥250		≥1,000	≥1,000	≤500		
		$H_B>H_U$	⊘							
	$H_D≤H_U$	$H_D≤½H_U$		≥100		≥1,000	≥1,000		≤500	
		$½H_U<H_D≤H_U$		≥200		≥1,000	≥1,000		≤500	
		$H_D>H_U$	⊘							



A~E	H_B H_D H_U		(mm) a	b	c	d	e	e_B	e_D	
A, B, C	—		≥200(1)	≥300	≥1,000					
A, B, C, E	—		≥200(1)	≥300	≥1,000		≥1,000		≤500	
D	—					≥1,000				
D, E	—					≥1,000	≥1,000	≤500		
B, D	$H_D>H_U$			≥300		≥1,000				
	$H_D≤H_U$	$H_D≤½H_U$		≥250		≥1,500				
		$½H_U<H_D≤H_U$		≥300		≥1,500				
B, D, E	$H_D>H_U$	$H_B≤½H_U$		≥300		≥1,000	≥1,000	≤500		1+2
		$½H_U<H_B≤H_U$		≥300		≥1,250	≥1,000	≤500		
		$H_B>H_U$	⊘							
	$H_D≤H_U$	$H_D≤½H_U$		≥250		≥1,500	≥1,000		≤500	
		$½H_U<H_D≤H_U$		≥300		≥1,500	≥1,000		≤500	
		$H_D>H_U$	⊘							

(1) For better serviceability, use a distance ≥250 mm

A,B,C,D Obstacles (walls/baffle plates)

E Obstacle (roof)

a,b,c,d,e Minimum service space between the unit and obstacles A, B, C, D and E

eB Maximum distance between the unit and the edge of obstacle E, in the direction of obstacle B

eD Maximum distance between the unit and the edge of obstacle E, in the direction of obstacle D

HU Height of the unit

HB,HD Height of obstacles B and D

1 Seal the bottom of the installation frame to prevent discharged air from flowing back to the suction side through the bottom of the unit.

2 Maximum two units can be installed.

⊘ Not allowed

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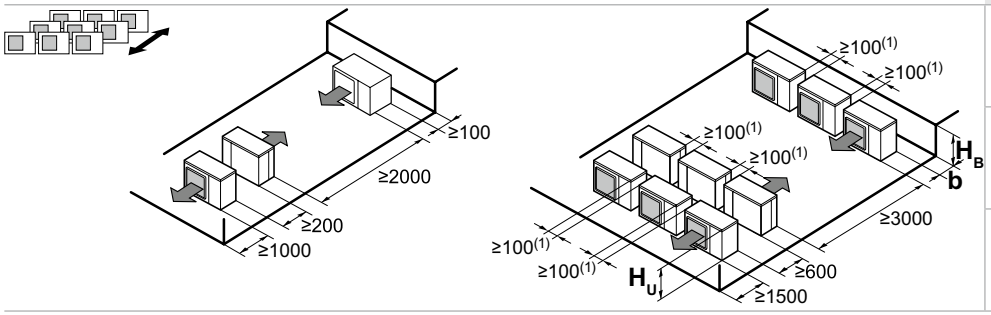
RZA-D

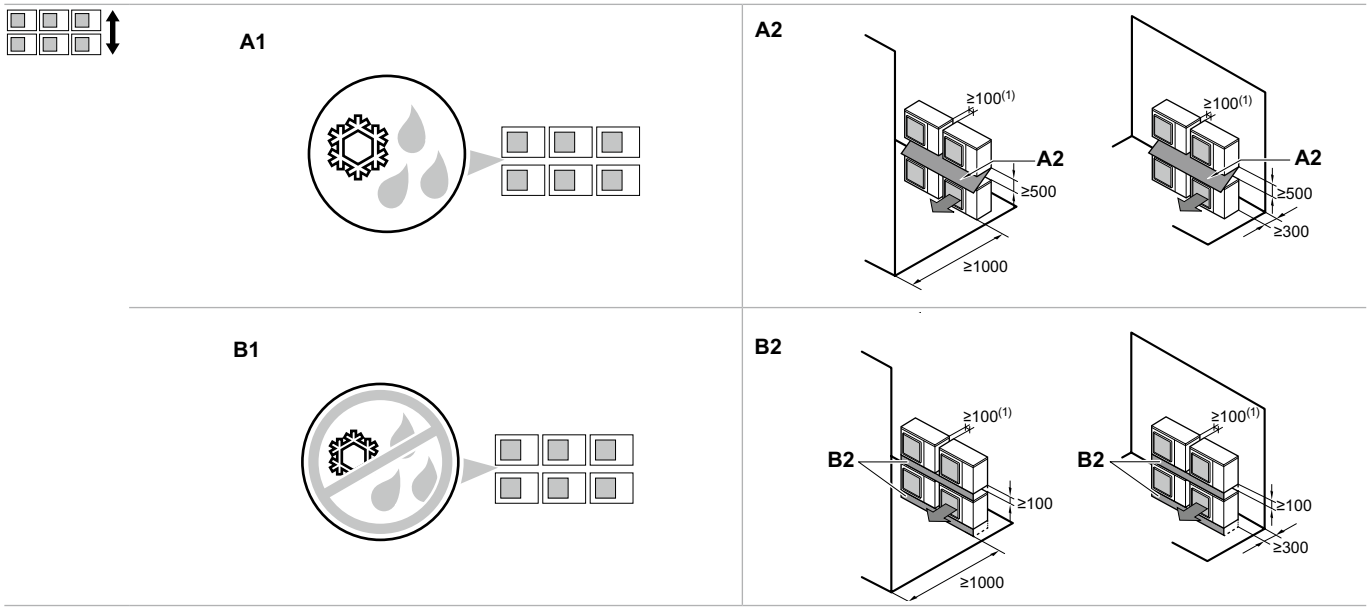
Multiple rows of units ( )



H_B H_U	b (mm)
$H_B \leq ½H_U$	b≥250
$½H_U < H_B \leq H_U$	b≥300
$H_B > H_U$	⊘

(1) For better serviceability, use a distance ≥250 mm

Stacked units (max. 2 levels) ( )



(1) For better serviceability, use a distance ≥250 mm

A1=>A2 (A1) If there is danger of drainage dripping and freezing between the upper and lower units…

(A2) Then install a roof between the upper and lower units. Install the upper unit high enough above the lower unit to prevent ice buildup at the upper unit's bottom plate.

B1=>B2 (B1) If there is no danger of drainage dripping and freezing between the upper and lower units…

(B2) Then it is not required to install a roof, but seal the gap between the upper and lower units to prevent discharged air from flowing back to the suction side through the bottom of the unit.

RZA-D

To determine the additional refrigerant amount

To determine if adding additional refrigerant is necessary

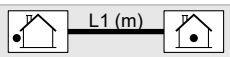
Chargeless length	
Ø standard	30 m
Ø size-up of **gas** piping	30 m
Ø size-up of **liquid** piping	20 m

If	Then
(L1+L2+L3+L4+L5+L6+L7) ≤ chargeless length	You do not have to add additional refrigerant.
(L1+L2+L3+L4+L5+L6+L7) > chargeless length	You must add additionalrefrigerant. For future servicing, encircle theselected amount in the tables below.

INFORMATION
Piping length is the largest one-way length of liquid piping.

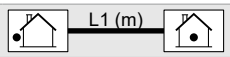
To determine the additional refrigerant amount (R in kg) (in case of pair)

Standard piping size:



L1:	30~40 m	40~50 m	50~60 m	60~70 m	70~80 m	80~90 m	90~100 m
R:	0.45 kg	0.9 kg	1.35 kg	1.8 kg	2.25 kg	2.7 kg	3.15 kg

Size-up piping size:



L1:	20~25 m	25~30 m	30~35 m	35~40 m	40~45 m	40~45m
R:	0.35 kg	0.7 kg	1.05 kg [a]	1.4 kg [a]	1.75 kg	2.1 kg

To determine the additional refrigerant amount (R in kg) (in case of twin, triple and double twin)

1. Determine G1 and G2.

G1 (m)	Total length of <x> liquid piping x=**Ø9.5** mm (standard) x=**Ø12.7** mm (size-up)
G2 (m)	Total length of **Ø6.4** mm liquid piping

2. Determine R1 and R2.

If	Then
G1>30 m[a]	Use the table below to determine R1 (length=G1−30 m)(a) and R2 (length=G2).
G1≤30 m[a] (and G1+G2>30 m)[a]	R1=0.0 kg. Use the table below to determine R2 (length=G1+G2−30 m)[a].

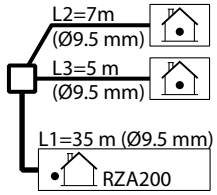
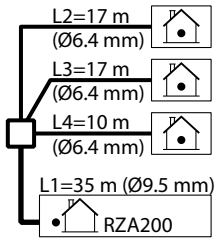
(a) In case of size-up: replace 30 m by 20 m.

Standard liquid pipe size							
	Length (m)						
	0~10 m	10~20 m	20~30 m	30~40 m	40~50 m	50~60 m	60~70 m
R1:	0.45 kg	0.9 kg	1.35 kg	1.8 kg	2.25 kg	2.7 kg	3.15 kg
R2:	0.2 kg	0.4 kg	0.6 kg	0.8 kg	1 kg	1.2 kg	1.4 kg

Size-up liquid pipe size						
	Length (m)					
	0~5 m	5~10 m	10~15 m	15~20 m	20~25 m	25~30 m
R1:	0.35 kg	0.7 kg	1.05 kg	1.1 kg	1.75 kg	2.1 kg
R2:	0.18 kg	0.35 kg	0.53 kg	0.7 kg	0.88 kg	1.05 kg

3. Determine the additional refrigerant amount: R=R1+R2.

Examples

Layout	Additional refrigerant amount (R)		
	Case: Twin, standard liquid pipe size		
	1.	G1	Total Ø9.5 => G1=35+7+5=47 m
		G2	Total Ø6.4 => G2=0 m
	2.	Case: G1>30 m	
		R1	Length=G1−30 m=47−30 m=17 m => R1=0.9 kg
		R2	Length=G2=0 m => R2=0 kg
	3.	R	R=R1+R2=0.9+0=0.9 kg
	Case: Triple, standard liquid pipe size		
	1.	G1	Total Ø9.5 => G1=5 m
		G2	Total Ø6.4 => G2=10+17+17=44 m
	2.	Case: G1≤30 m (and G1+G2>30 m)	
		R1	R1=0.0 kg
		R2	Length=G1+G2−30=5+44−30=19 m => R2=0.4 kg
	3.	R	R=R1+R2=0.0+0.4=0.4 kg

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AZAS71-140MV1

								Compressor		OFM		IFM	
Indoor	Outdoor	Power supply	Voltage range		MCA	TOCA	MFA	MSC	RLA	kW	FLA	kW	FLA
FCAG71BVEB	AZAS71M2V1B	50Hz~ 220- 240 V	Minimum: 198 V	Maximum: 264 V	17.4	-	20	-	15.4	0.094	0.9	0.054	0.4
FBA71A2VEB	AZAS71M2V1B				17.5	-	20	-	15.4	0.094	0.9	0.07	0.5
FAA71BUV1B	AZAS71M2V1B				17.4	-	20	-	15.4	0.094	0.9	0.048	0.5
ADEA71A2VEB	AZAS71M2V1B				17.5	-	20	-	15.4	0.094	0.9	0.07	0.5
FCAG100BVEB	AZAS100M7V1B				21.5	-	25	-	19	0.2	1	0.117	0.7
FBA100A2VEB	AZAS100M7V1B				21.8	-	25	-	19	0.2	1	0.127	1
FAA100BUV1B	AZAS100M7V1B				21.7	-	25	-	19	0.2	1	0.064	0.9
ADEA100A2VEB	AZAS100M7V1B				21.8	-	25	-	19	0.2	1	0.127	1
FCAG125BVEB	AZAS125M7V1B				27.8	-	32	-	24.7	0.2	1	0.168	1
FBA125A2VEB	AZAS125M7V1B				28.3	-	32	-	24.7	0.2	1	0.187	1.5
ADEA125A2VEB	AZAS125M7V1B				28.3	-	32	-	24.7	0.2	1	0.187	1.5
FCAG140BVEB	AZAS140M7V1B				27.0	-	32	-	24	0.2	1	0.168	1
FBA140A2VEB	AZAS140M7V1B				27.6	-	32	-	24	0.2	1	0.187	1.5
FCAG100BVEB	AZAS100M7Y1B	3N~50 Hz 380- 415 V	Minimum: 342 V	Maximum: 456 V	14.2	-	16	-	12	0.2	1	0.117	0.7
FBA100A2VEB	AZAS100M7Y1B				14.6	-	16	-	12	0.2	1	0.127	1
FAA100BUV1B	AZAS100M7Y1B				14.4	-	16	-	12	0.2	1	0.064	0.9
FCAG125BVEB	AZAS125M7Y1B				14.6	-	16	-	12	0.2	1	0.168	1
FBA125A2VEB	AZAS125M7Y1B				15.1	-	16	-	12	0.2	1	0.187	1.5
FCAG140BVEB	AZAS140M7Y1B				14.6	-	16	-	12	0.2	1	0.168	1
FBA140A2VEB	AZAS125M7Y1B				15.1	-	16	-	12	0.2	1	0.187	1.5

3D110014H

AZAS-MV1/MY1

Symbols

MCA	Minimum Circuit Ampere	[A]
TOCA	Total overcurrent amps	[A]
MFA	Maximum Fuse Ampere	[A]
MSC	Maximum current of the starting compressor	[A]
RLA	Rated load amps	[A]
OFM	Outdoor fan motor	
IFM	Indoor fan motor	
FLA	Full Load Ampere	[A]
kW	Fan motor rated output	[kW]

Notes

1 The ·RLA· is based on the following conditions.
Cooling
Indoor temperature ·27.0·°C DB / ·19.0·°C WB
Outdoor temperature ·35.0·°C DB
Heating
Indoor temperature ·20.0·°C DB
Outdoor temperature ·7.0·°C DB / ·6.0·°C WB
2 ·TOCA· is the total value of each overcurrent set.
3 Voltage range
The units are suitable for use with electrical systems in which the voltage supplied to the unit terminals is not below or above the listed range limits.
4 The maximum allowable voltage that is unbalanced between phases is ·2·%.
5 ·MCA· is the maximum input current.
The capacity of the ·MFA· must be greater than that of the ·MCA·.
Select the ·MFA· according to the table.
6 Select the wire size according to the MCA.
7 ·MFA· is used to select the circuit breaker and the ground fault circuit interruptor.
Earth leakage circuit breaker

3D110014H

RXM-R9 / ARXM-R9

Unit combination restrictions		Power supply					Compressor		OFM		IFM	
Outdoor unit	Indoor unit	Hz	Voltage	Voltage range	MCA	MFA	RHz	RLA	kW	FLA	kW	FLA
ARXM50R2V1B	ADEA50A2VEB	50	220	Maximum ·50·Hz ·264·V	15.42	16	55	5.2	0.06	0.37	0.089	1.40
		50	230					5.0				
		50	240	Minimum ·50·Hz ·198·V				4.8				
ARXM60R2V1B	ADEA60A2VEB	50	220	Maximum ·50·Hz ·264·V	15.86	16	66	6.2	0.06	0.37	0.070	1.30
		50	230					6.0				
		50	240	Minimum ·50·Hz ·198·V				5.7				
ARXM71R2V1B	ADEA71A2VEB	50	220	Maximum ·50·Hz ·264·V	15.83	16	81	8.2	0.06	0.37	0.070	1.30
		50	230					7.8				
		50	240	Minimum ·50·Hz ·198·V				7.5				
ARXM71R2V1B	FCAG71BVEB	50	220	Maximum ·50·Hz ·264·V	14.93	16	81	8.1	0.06	0.37	0.054	0.40
		50	230					7.7				
		50	240	Minimum ·50·Hz ·198·V				7.4				
ARXM71R2V1B	FBA71A2VEB9	50	220	Maximum ·50·Hz ·264·V	15.83	16	81	8.2	0.06	0.37	0.070	1.30
		50	230					7.8				
		50	240	Minimum ·50·Hz ·198·V				7.5				
ARXM71R2V1B	FAA71BUV1B	50	220	Maximum ·50·Hz ·264·V	14.93	16	83	8.3	0.06	0.37	0.048	0.40
		50	230					7.9				
		50	240	Minimum ·50·Hz ·198·V				7.6				
RXM42R2V1B	FTXM42R2V1B	50	220	Maximum ·50·Hz ·264·V	10.36	16	48	4.3	0.06	0.37	0.034	0.30
		50	230					4.1				
		50	240	Minimum ·50·Hz ·198·V				4.0				
RXM42R2V1B	FTXM42R5V1B	50	220	Maximum ·50·Hz ·264·V	10.36	13	48	4.3	0.06	0.37	0.034	0.30
		50	230					4.1				
		50	240	Minimum ·50·Hz ·198·V				4.0				
RXM50R2V1B	FTXM50R2V1B	50	220	Maximum ·50·Hz ·264·V	14.54	13	54	4.7	0.06	0.37	0.046	0.60
		50	230					4.5				
		50	240	Minimum ·50·Hz ·198·V				4.3				
ARXM50R2V1B	ATXM50R2V1B	50	220	Maximum ·50·Hz ·264·V	14.54	16	54	4.7	0.06	0.37	0.046	0.60
		50	230					4.5				
		50	240	Minimum ·50·Hz ·198·V				4.3				
RXM50R2V1B	FCAG50BVEB	50	220	Maximum ·50·Hz ·264·V	14.21	16	58	5.2	0.06	0.37	0.048	0.30
		50	230					5.0				
		50	240	Minimum ·50·Hz ·198·V				4.8				
RXM50R2V1B	FBA50A2VEB9	50	220	Maximum ·50·Hz ·264·V	15.42	16	55	5.2	0.06	0.37	0.089	1.40
		50	230					5.0				
		50	240	Minimum ·50·Hz ·198·V				4.8				
RXM50R2V1B	FHA50AVEB99	50	220	Maximum ·50·Hz ·264·V	14.54	16	64	5.5	0.06	0.37	0.090	0.60
		50	230					5.3				
		50	240	Minimum ·50·Hz ·198·V				5.2				
RXM50R2V1B	FFA50A2VEB9	50	220	Maximum ·50·Hz ·264·V	14.32	16	62	5.6	0.06	0.37	0.050	0.40
		50	230					5.4				
		50	240	Minimum ·50·Hz ·198·V				5.3				
RXM50R2V1B	FDXM50F3V1B9	50	220	Maximum ·50·Hz ·264·V	14.87	16	55	4.9	0.06	0.37	0.060	0.90
		50	230					4.7				
		50	240	Minimum ·50·Hz ·198·V				4.5				
RXM50R2V1B	FNA50A2VEB9	50	220	Maximum ·50·Hz ·264·V	14.43	16	55	4.9	0.06	0.37	0.060	0.50
		50	230					4.7				
		50	240	Minimum ·50·Hz ·198·V				4.5				
RXM50R2V1B	FVXM50FV1B9	50	220	Maximum ·50·Hz ·264·V	14.32	16	60	5.4	0.06	0.37	0.048	0.10
		50	230					5.2				
		50	240	Minimum ·50·Hz ·198·V				5.0				
RXM60R2V1B	FTXM60R2V1B	50	220	Maximum ·50·Hz ·264·V	15.09	16	70	6.6	0.06	0.37	0.046	0.60
		50	230					6.3				
		50	240	Minimum ·50·Hz ·198·V				6.0				
RXM60R2V1B	FCAG60BVEB	50	220	Maximum ·50·Hz ·264·V	14.76	16	71	6.5	0.06	0.37	0.048	0.30
		50	230					6.3				
		50	240	Minimum ·50·Hz ·198·V				6.2				
RXM60R2V1B	FBA60A2VEB9	50	220	Maximum ·50·Hz ·264·V	15.86	16	66	6.1	0.06	0.37	0.070	1.30
		50	230					6.0				
		50	240	Minimum ·50·Hz ·198·V				5.8				
RXM60R2V1B	FHA60AVEB99	50	220	Maximum ·50·Hz ·264·V	15.09	16	62	5.5	0.06	0.37	0.091	0.60
		50	230					5.3				
		50	240	Minimum ·50·Hz ·198·V				5.1				
RXM60R2V1B	FFA60A2VEB9	50	220	Maximum ·50·Hz ·264·V	15.09	16	70	6.5	0.06	0.37	0.050	0.60
		50	230					6.3				
		50	240	Minimum ·50·Hz ·198·V				6.2				
RXM60R2V1B	FDXM60F3V1B9	50	220	Maximum ·50·Hz ·264·V	15.42	16	73	6.7	0.06	0.37	0.060	0.90
		50	230					6.5				
		50	240	Minimum ·50·Hz ·198·V				6.4				
RXM60R2V1B	FNA60A2VEB9	50	220	Maximum ·50·Hz ·264·V	15.09	16	73	6.7	0.06	0.37	0.060	0.60
		50	230					6.5				
		50	240	Minimum ·50·Hz ·198·V				6.4				
RXM71R2V1B	FTXM71R2V1B	50	220	Maximum ·50·Hz ·264·V	19.78	20	54	9.4	0.13	0.38	0.052	0.60
		50	230					8.9				
		50	240	Minimum ·50·Hz ·198·V				8.6				

Symbols		
MCA	Minimum Circuit Ampere	[A]
MFA	Maximum Fuse Ampere	[A]
RLA	Rated load amps	[A]
OFM	Outdoor fan motor	
IFM	Indoor fan motor	
FLA	Full Load Ampere	[A]
kW	Fan motor rated output	[kW]
RHz	Rated operating frequency	[Hz]

Notes

1 The RLA is based on the following conditions.
Outdoor temperature 35°C DB
Indoor temperature 27°C DB / 19°C WB
2 Select the wire size according to the MCA.
3 The maximum allowable voltage that is unbalanced between phases is 2%.
4 Use a circuit breaker instead of a fuse.

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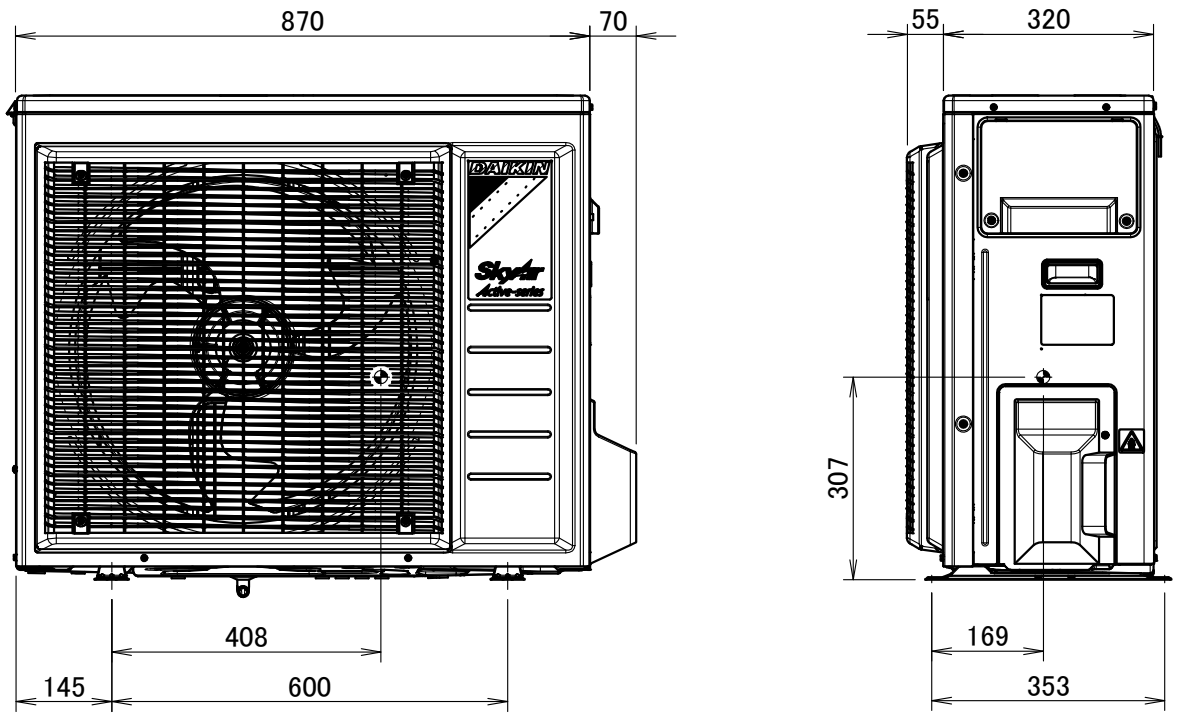
ARXM71R9



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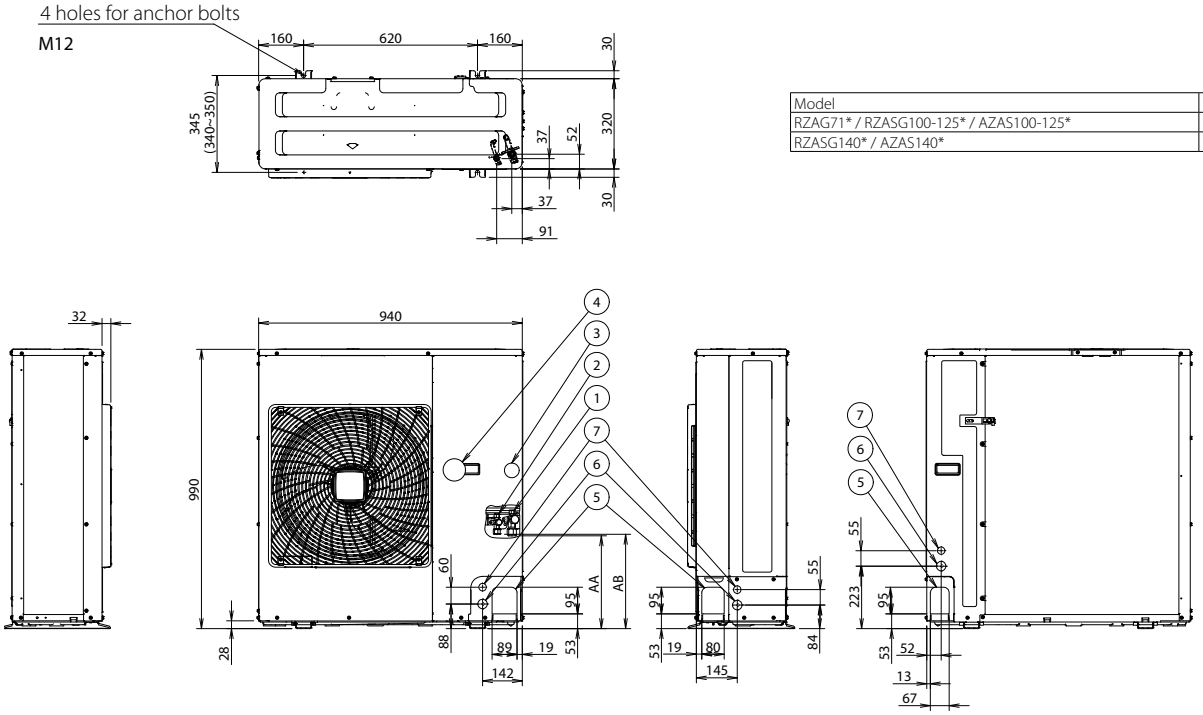
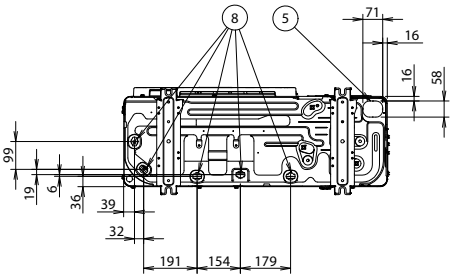
AZAS100-140MV1/MY1



Model	AA	AB
RZAG71* / RZASG100-125* / AZAS100-125*	331	337
RZASG140* / AZAS140*	414	420



1	Gas pipe connection ·Ø15.9· flare
2	Liquid pipe connection ·Ø9.5· flare
3	Service port (in the unit)
4	Electronic connection and grounding terminal ·M5· (in the switch box)
5	Refrigerant piping intake
6	Power supply wiring intake (knockout hole Ø34)
7	Control wiring intake (knockout hole Ø27)
8	Drain outlet

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AZAS-MV1/MY1

Installation service space

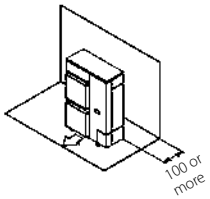
The measure of these values is "mm".

(A) When there are obstacles on suction sides.

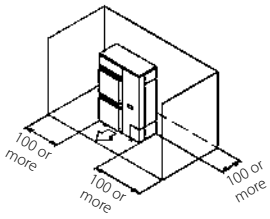
- **No obstacle above**

(1) Stand-alone installation

- Obstacle on the suction side only

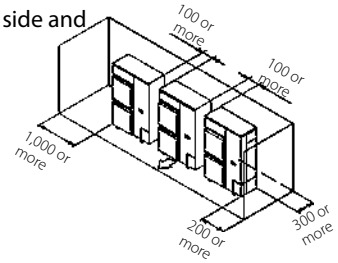


- Obstacle on both sides and suction side, too



(2) Series installation (2 or more) (note 1)

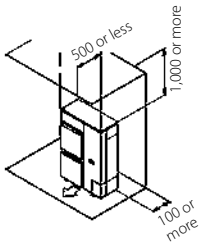
- Obstacle on the suction side and both sides



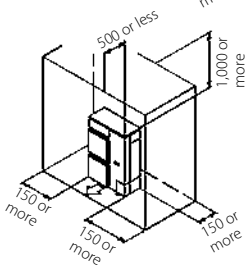
- **Obstacle above, too**

(1) Stand-alone installation

- Obstacle on the suction side, too

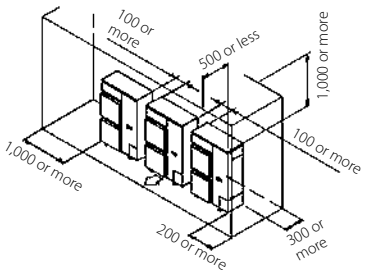


- Obstacle on both sides and suction side, too



(2) Series installation (2 or more) (note 1)

- Obstacle on the suction side and both sides

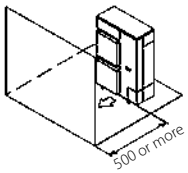


(B) When there are obstacles on discharge sides.

- **No obstacle above**

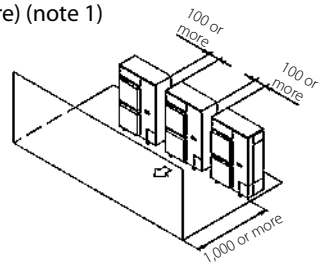
(1) Stand-alone installation

- Obstacle on the discharge side only



(2) Series installation (2 or more) (note 1)

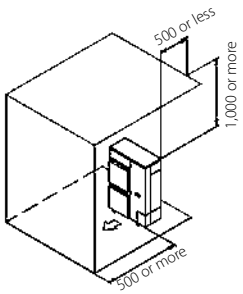
- Obstacle on the suction side only



- **Obstacle above, too**

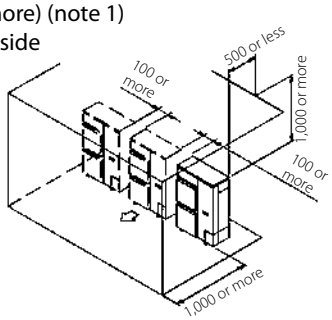
(1) Stand-alone installation

- Obstacle on the discharge side only, too



(2) Series installaton (2 or more) (note 1)

- Obstacle on discharge side



(C) When there are obstacles on both suction and discharge sides:

Pattern 1

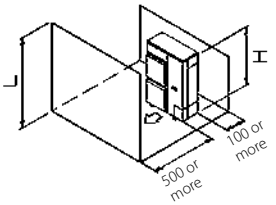
When the obstades on the discharge side is higher than the unit. (L > H)

(There is no limit for the height of obstructions on the suction side.)

- **No obstacle above**

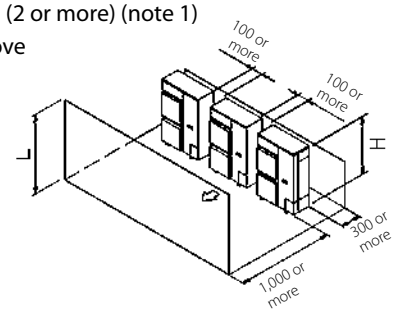
(1) Stand-alone installation

- No obstacle above



(2) Series installation (2 or more) (note 1)

- No obstacle above



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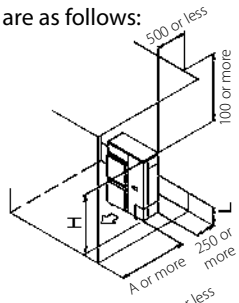
AZAS-MV1/MY1

- **Obstacle above, too**

(1) Stand-alone installation (note 2)

- When there are obstacles on suction, discharge and top sides. The relations between H, A and L are as follows:

	L	A
L ≤ H	L ≤ 1/2H	750 or more
	1/2H < L ≤ H	1,000 or more
H < L	Set the stand as: L ≤ H Refer to the column of L ≤ H for A	

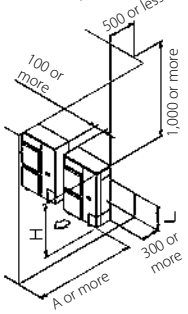


(2) Series installation (2 or more) (note 1,2)

- When there are obstacles on suction, discharge and top sides. The relations between H, A and L are as follows:

	L	A
L ≤ H	L ≤ 1/2H	1,000 or more
	1/2H < L ≤ H	1,250 or more
H < L	Set the stand as: L ≤ H Refer to the column of L ≤ H for A	

Limit of series installation is 2 units.



Pattern 2

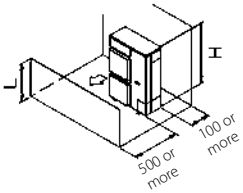
When the obstade on the discharge side is lower than the unit (L ≤ H)

(There is no limit for the height of obstructions on the suction side.)

- **No obstacle above**

(1) Stand-alone installation

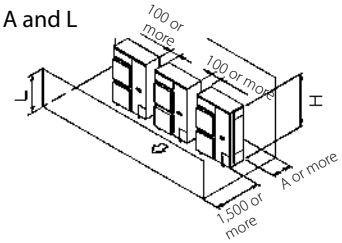
- No obstacle above



(2) Series installation (2 or more) (note 1, 2)

- When there are obstacles on both suction and discharge sides. The relations between H, A and L are as follows.

L	A
L ≤ 1/2H	250 or more
1/2H < L ≤ H	300 or more

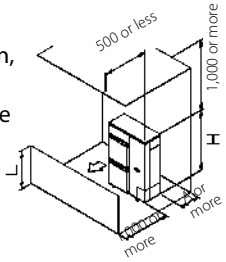


- **Obstacle above**

(1) Stand-alone installation (note 2)

- When there are obstacles on suction, discharge and top sides. The relations between H, A and L are as follows.

	L	A
L ≤ H	L ≤ 1/2H	100 or more
	1/2H < L ≤ H	200 or more
H < L	Set the stand as: L ≤ H Refer to the column of L ≤ H for A	

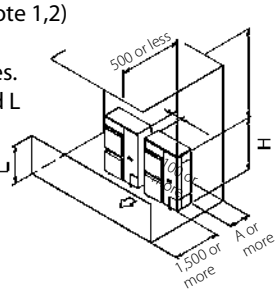


(2) Series installation (2 or more) (note 1,2)

- When there are obstacles on suction, discharge and top sides. The relations between H, A and L are as follows.

	L	A
L ≤ H	L ≤ 1/2H	250 or more
	1/2H < L ≤ H	300 or more
H < L	Set the stand as: L ≤ H Refer to the column of L ≤ H for A	

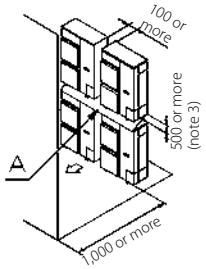
Limit of series installation is 2 units.



(D) Double-decker installation

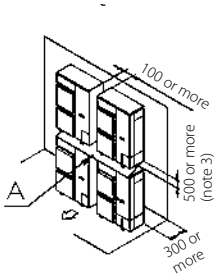
(1) Obstacle on the discharge side. (1)

- Do not exceed two levels for stacked installation.
- Install a roof cover similar to A (field supply), as outdoor units with downward drainage are prone to dripping and freezing.
- Install the upper-level outdoor unit so that its bottom plate is a sufficient height above the roof cover. This is to prevent the buildup of ice on the underside of the bottom plate.



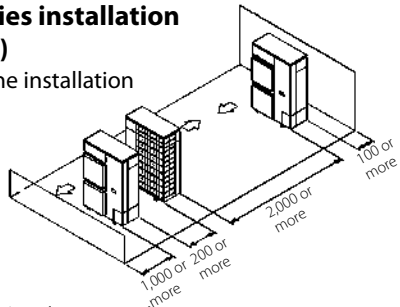
(2) Obstacle on the suction side. (1)

- Do not exceed two levels for stacked installation.
- Install a roof cover similar to A (field supply), as outdoor units with downward drainage are prone to dripping and freezing.
- Install the upper-level outdoor unit so that its bottom plate is a sufficient height above the roof cover. This is to prevent the buildup of ice on the underside of the bottom plate.



(E) Multiple rows of series installation (on the rooftop, etc.)

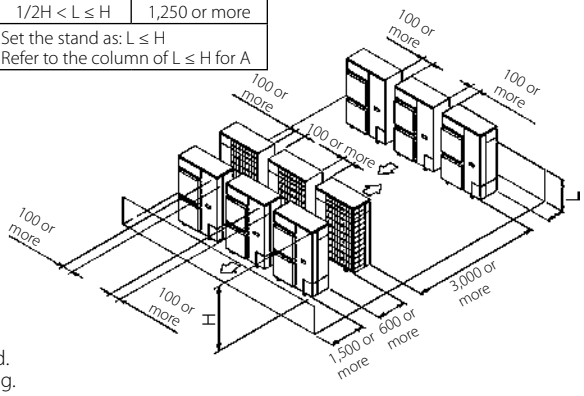
(1) One row of stand-alone installation



(2) Rows of series installation (2 or more)

The relations between H, A and L are as follows.

	L	A
L ≤ H	L ≤ 1/2H	1,000 or more
	1/2H < L ≤ H	1,250 or more
H < L	Set the stand as: L ≤ H Refer to the column of L ≤ H for A	



NOTES

1. In case of the sideway's piping, make a 100mm gap between the unit above.
2. Close the bottom of the installation frame to prevent the discharged air from being bypassed.
3. It is not necessary to install a roof cover if there is no danger of drainage dripping and freezing. In this case, the space between the upper and lower outdoor units should be at least 100mm. Close off the gap between the upper and lower units so there is no reintake of discharged air.

3D069554

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AZAS-MV1/MY1

To determine the complete recharge amount (kg)

Model	Lenght
	5~30m
AZAS71	2.45 Kg
AZAS100- 125	2.6 Kg
AZAS140	2.9 Kg

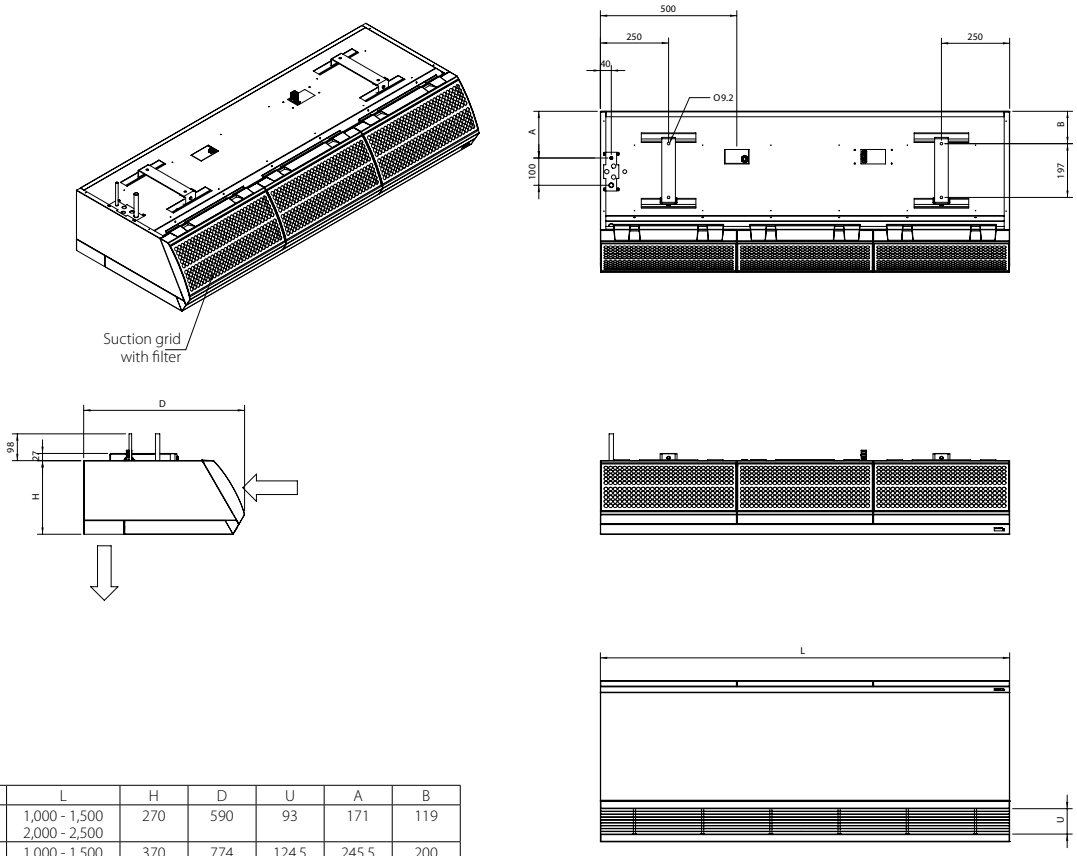
4PEN485929-1D_2019_04

Technical drawings

Biddle air curtains

CLICK HERE TO VIEW ALL CYQS TECHNICAL DRAWINGS ON MY.DAIKIN.EU

CYQS_M_L-DK_FBN_FSN



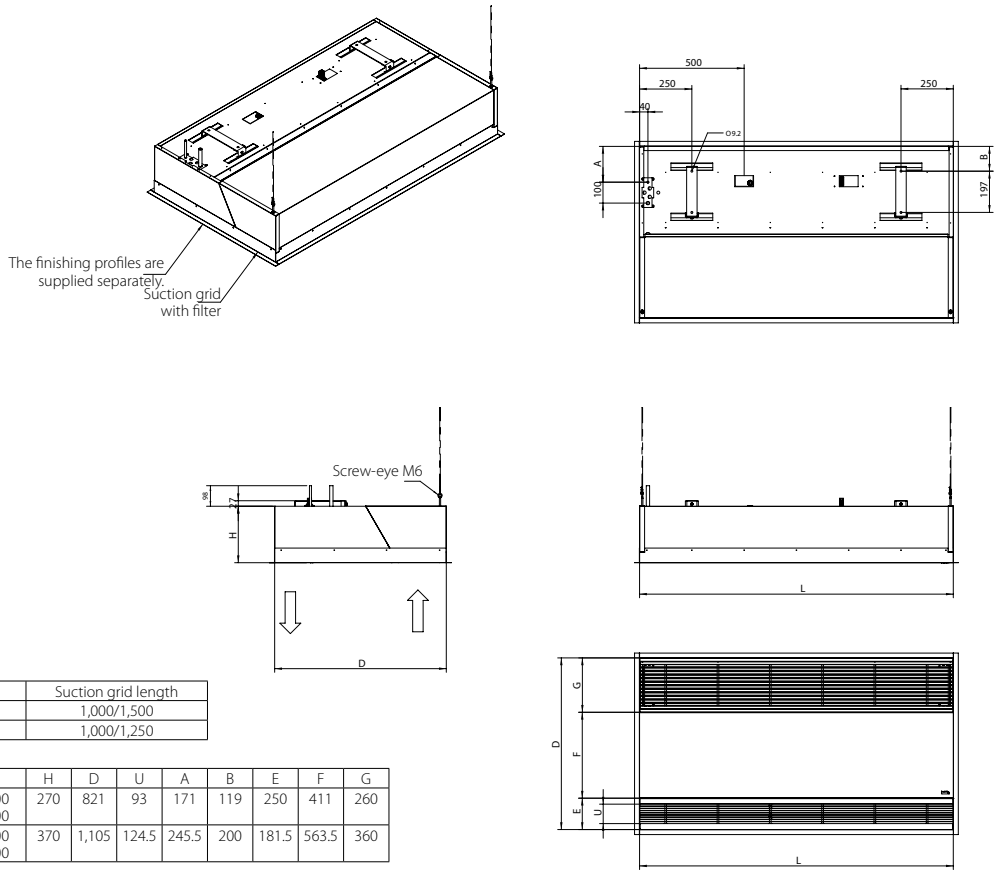
Type	L	H	D	U	A	B
CYQS-DK-FBN/FSN CYQM-DK-FBN/FSN	1,000 - 1,500 2,000 - 2,500	270	590	93	171	119
CYQL-DK-FBN/FSN	1,000 - 1,500 2,000 - 2,500	370	774	124.5	245.5	200

NOTES

1. The 2,500mm large devices have 3 suspension brackets, where the third bracket is mounted at half the length of the device.

CU0954X-000

CYQS_M_L-DK_CBN_CSN



Number of suction grids per device

Device length	Number	Suction grid length
1,000/1,500	1	1,000/1,500
2,000/2,500	2	1,000/1,250

*1 drain grid per device

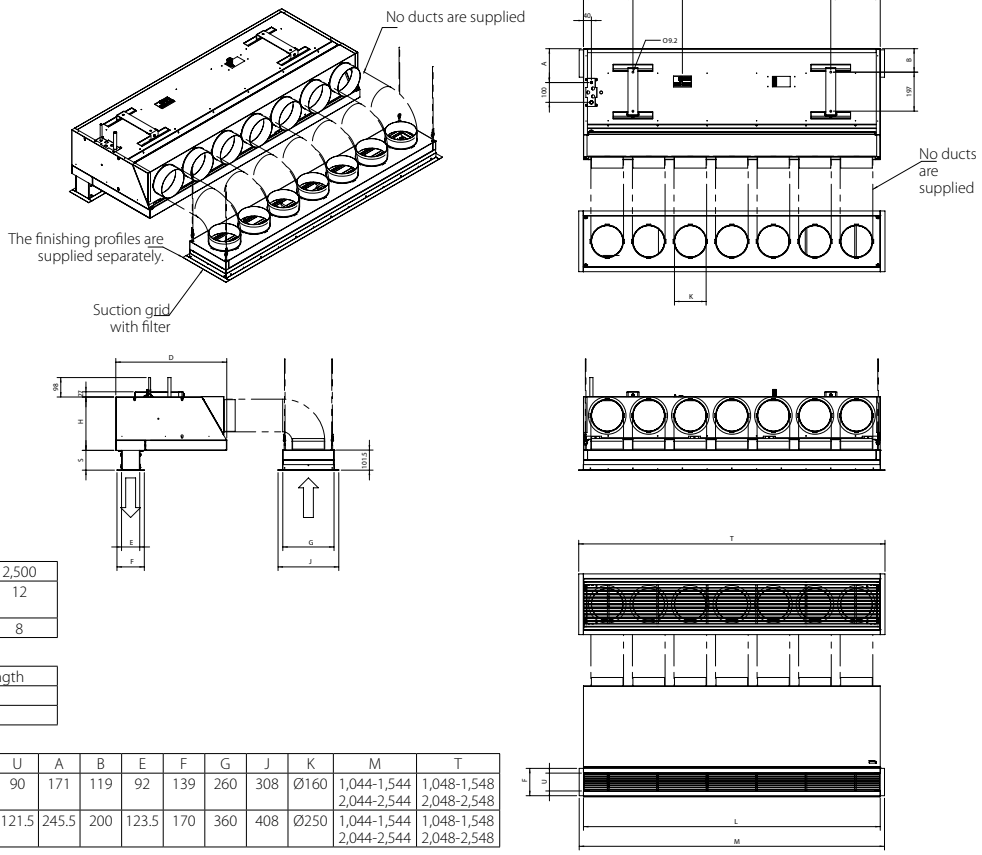
Type	L	H	D	U	A	B	E	F	G
CYQS-DK-CBN/CSN CYQM-DK-CBN/CSN	1,000 - 1,500 2,000 - 2,500	270	821	93	171	119	250	411	260
CYQL-DK-CBN/CSN	1,000 - 1,500 2,000 - 2,500	370	1,105	124.5	245.5	200	181.5	563.5	360

NOTES

1. The 2,500mm large devices have 3 suspension brackets, where the third bracket is mounted at half the length of the device.
2. The mounting holes for finishing profiles in a lowered ceiling (L+8) x (D+8) mm

CU0955X-000

CYQS_M_L-DK_RBN_RSN



Number of ducts per device

Type	1,000	1,500	2,000	2,500
CYQS-DK-RBN/RSN CYQM-DK-RBN/RSN	5	7	10	12
CYQL-DK-RBN/RSN	3	5	6	8

Number of suction grids per device

Device length	Number	Suction grid length
1,000/1,500	1	1,000/1,500
2,000/2,500	2	1,000/1,250

*1 drain grid per device

Type	L	H	D	S	U	A	B	E	F	G	J	K	M	T
CYQS-DK-RBN/RSN CYQM-DK-RBN/RSN	1,000 - 1,500 2,000 - 2,500	270	561	80-125	90	171	119	92	139	260	308	Ø160	1,044-1,544 2,044-2,544	1,048-1,548 2,048-2,548
CYVL-DK-RBN/RSN	1,000 - 1,500 2,000 - 2,500	370	745	80-125	121.5	245.5	200	123.5	170	360	408	Ø250	1,044-1,544 2,044-2,544	1,048-1,548 2,048-2,548

NOTES

1. The 2,500mm large devices have 3 suspension brackets, where the third bracket is mounted at half the length of the device.
2. Holes (for finishing profiles) - drain (L+8) x (E+8) mm - suction (L+8) x (G+8) mm.

CU0956X-000

Technical drawings

Ventilation

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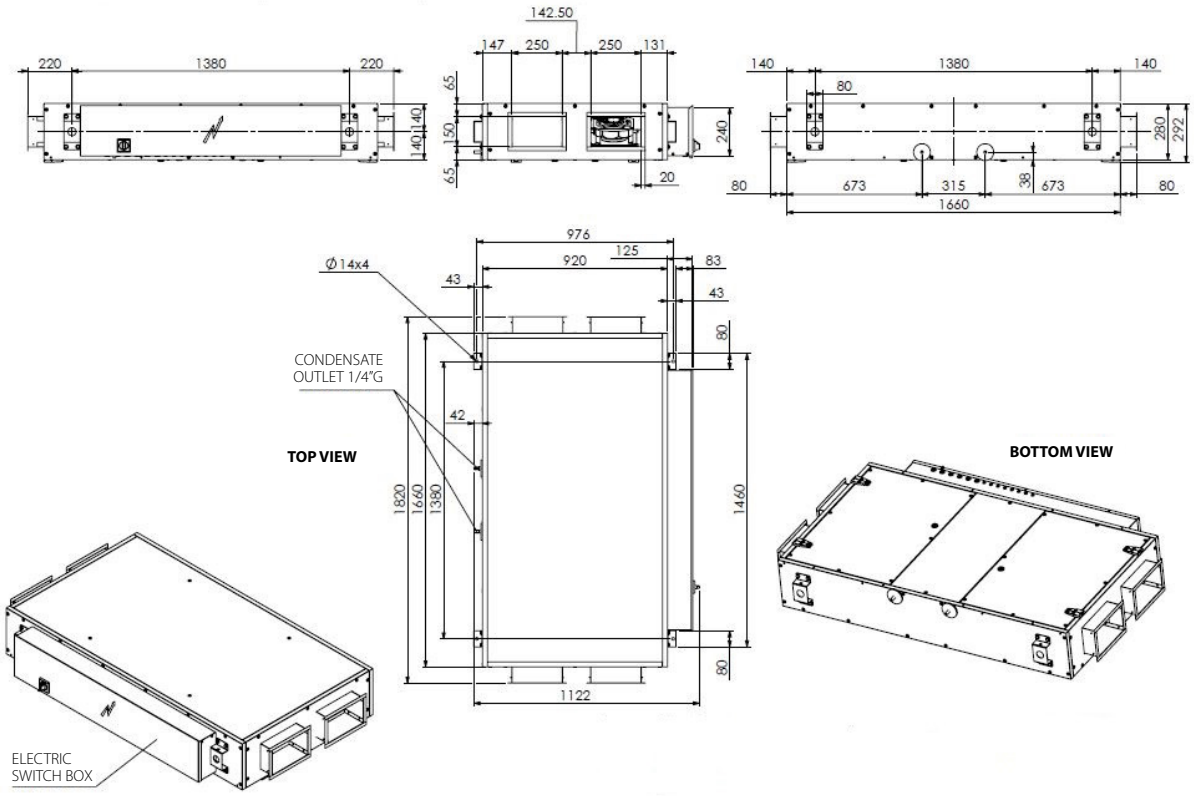
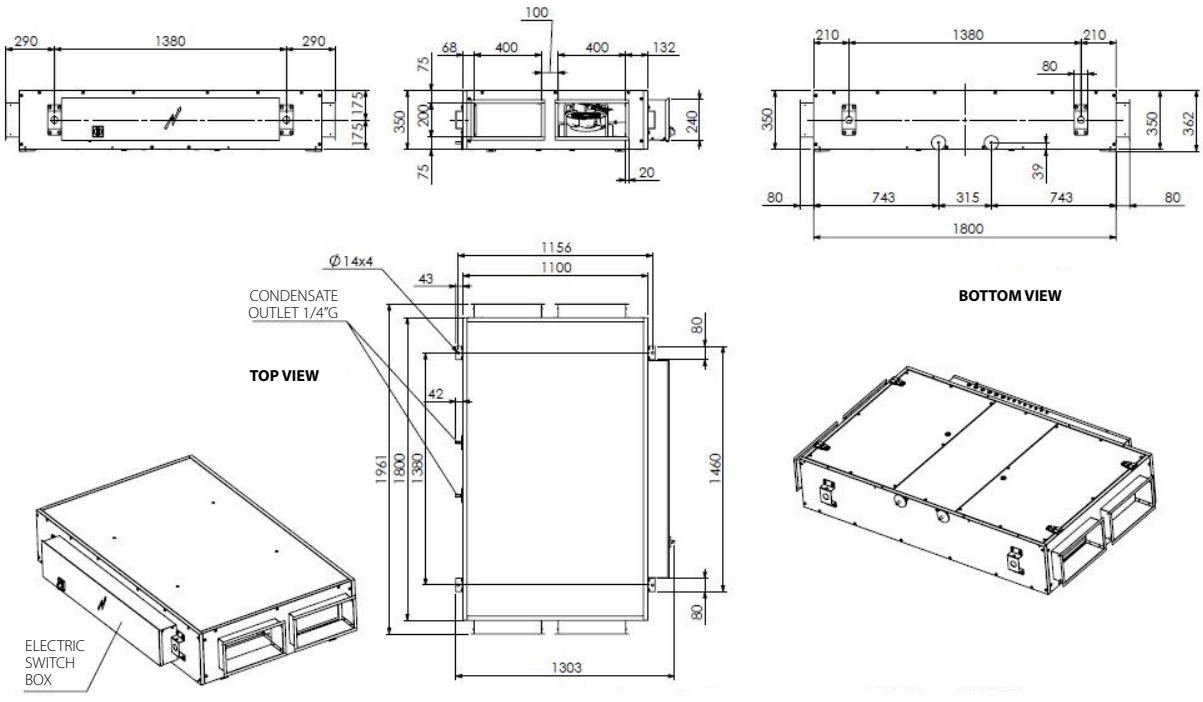
ALB02RBS/LBS



ALB03RBS/LBS



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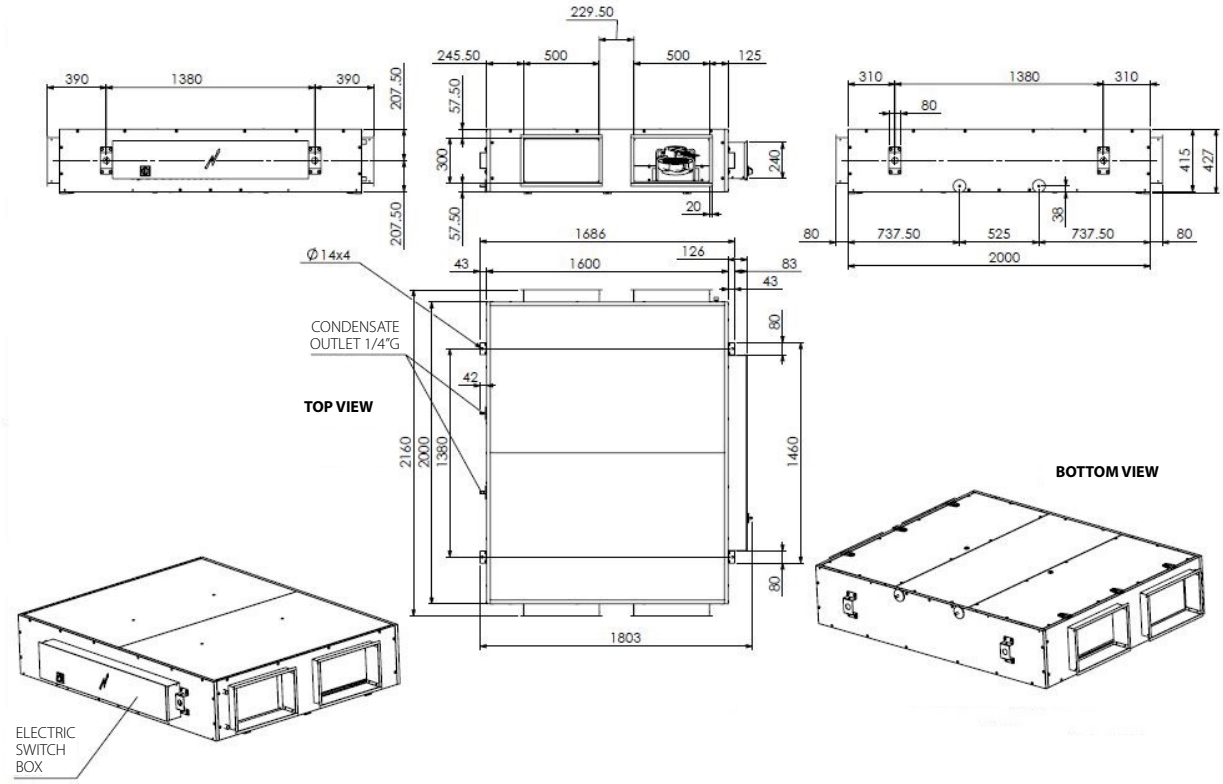
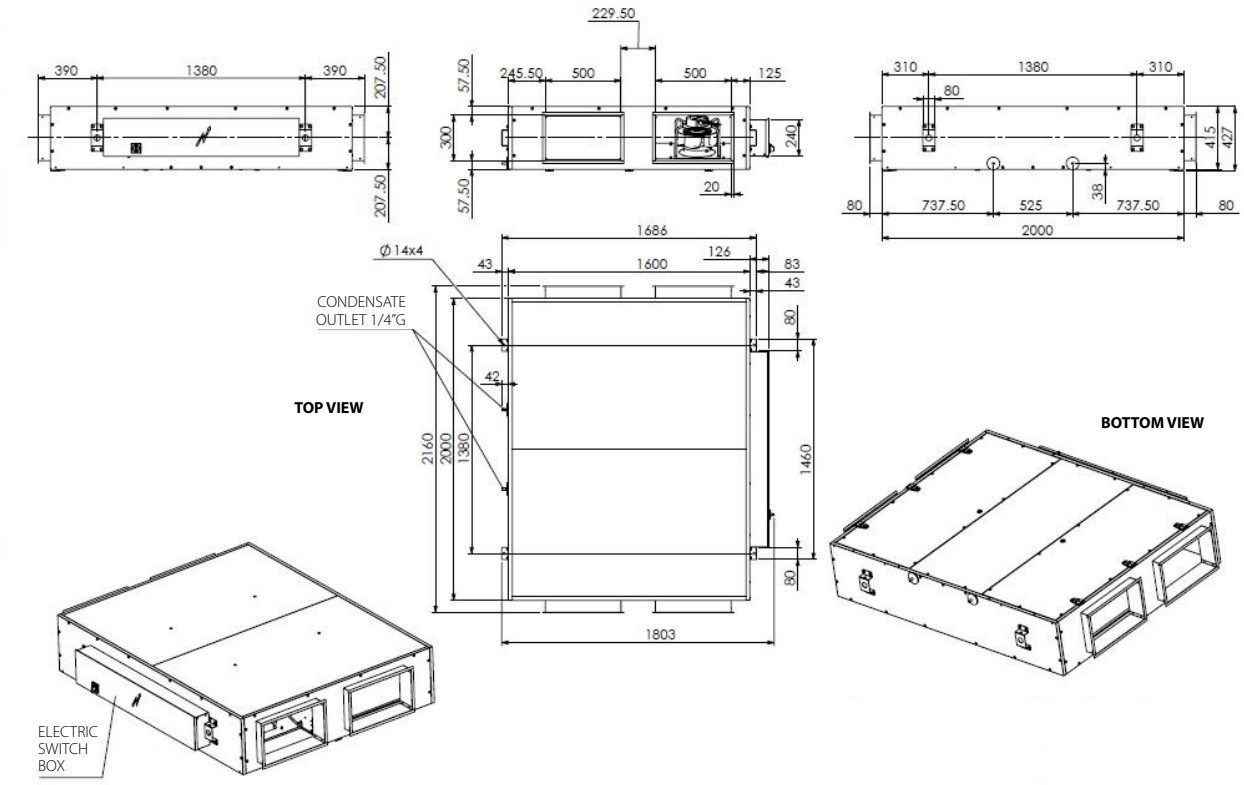
ALB04RBS/LBS



ALB05RBS/LBS



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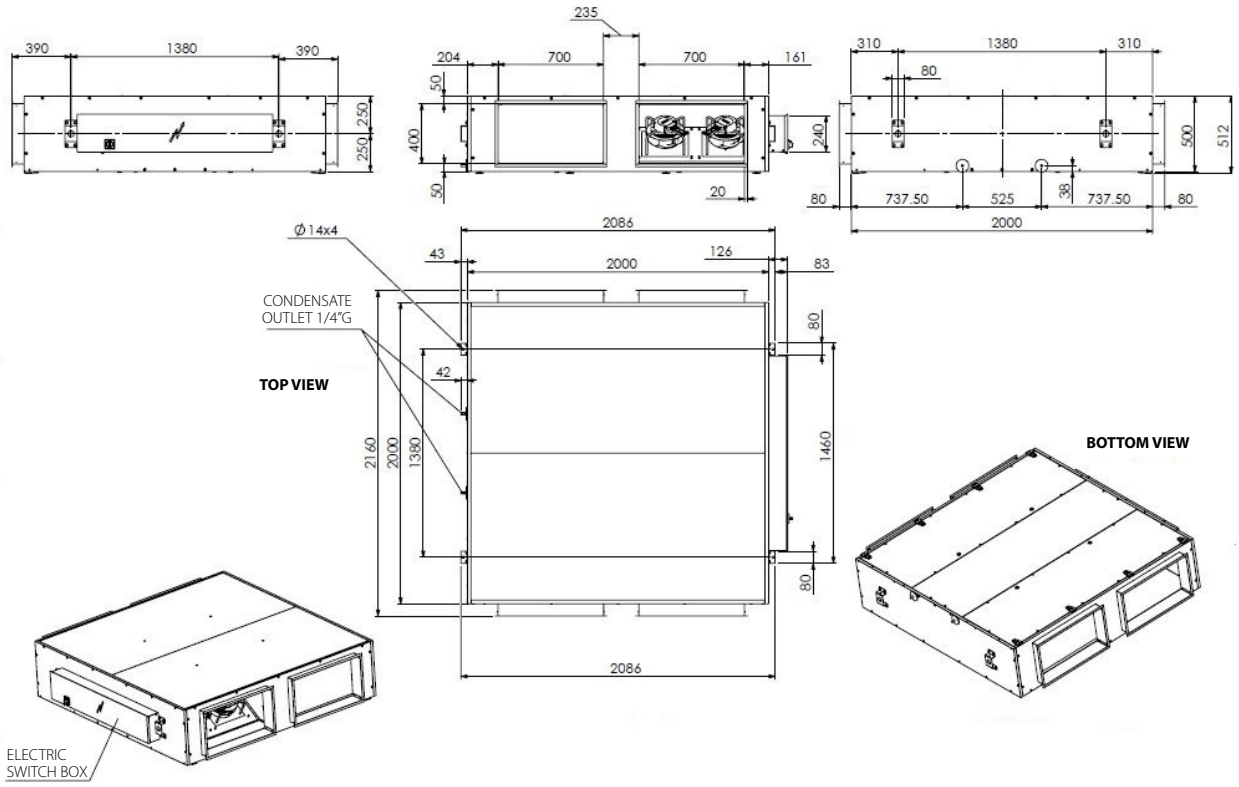
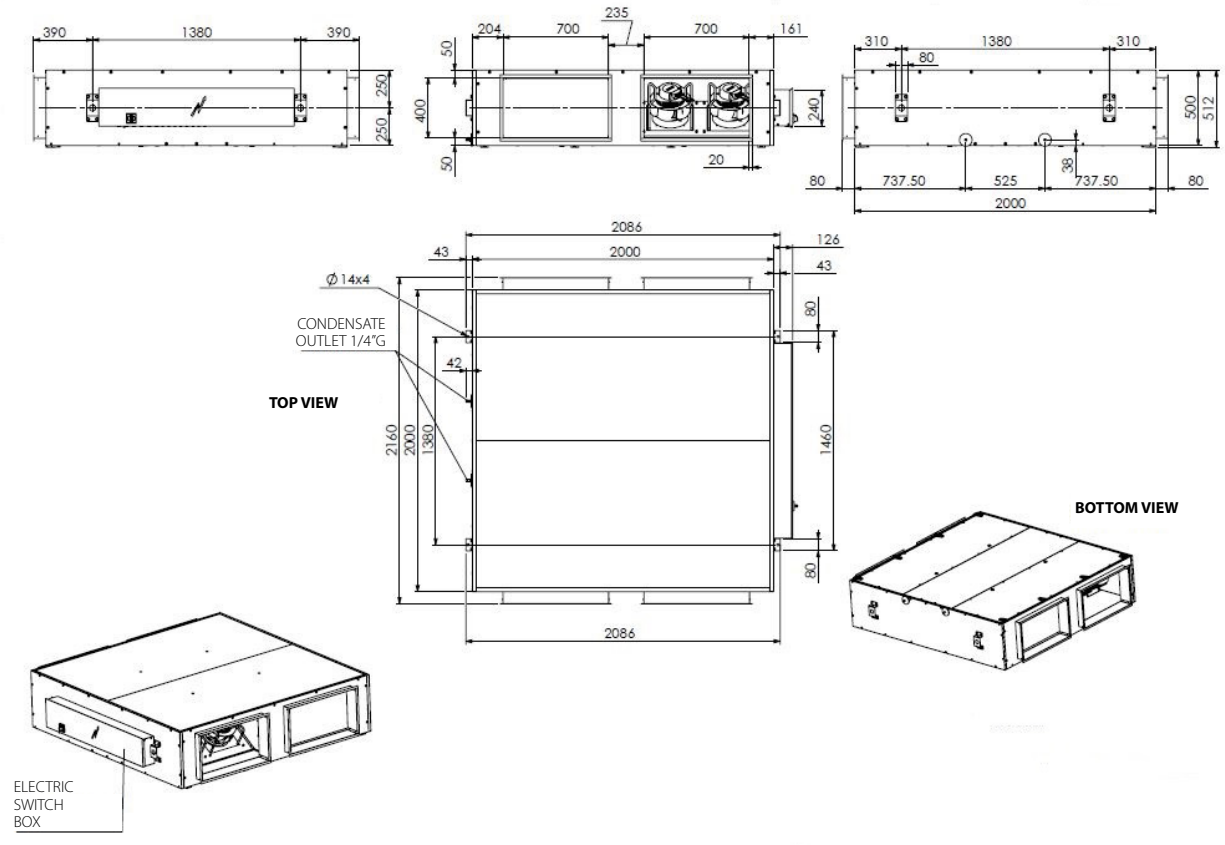
ALB06RBS/LBS



ALB07RBS/LBS



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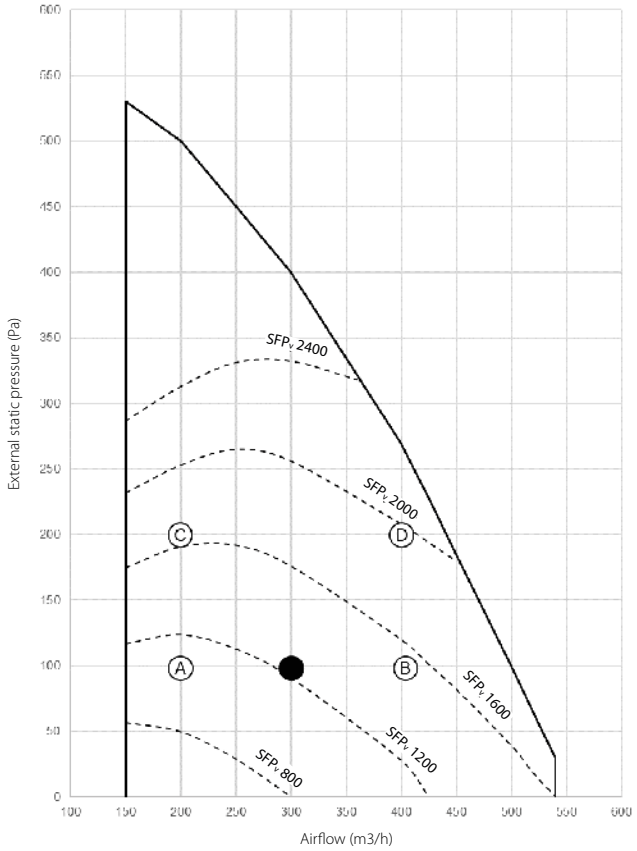
ALB02RBS/LBS



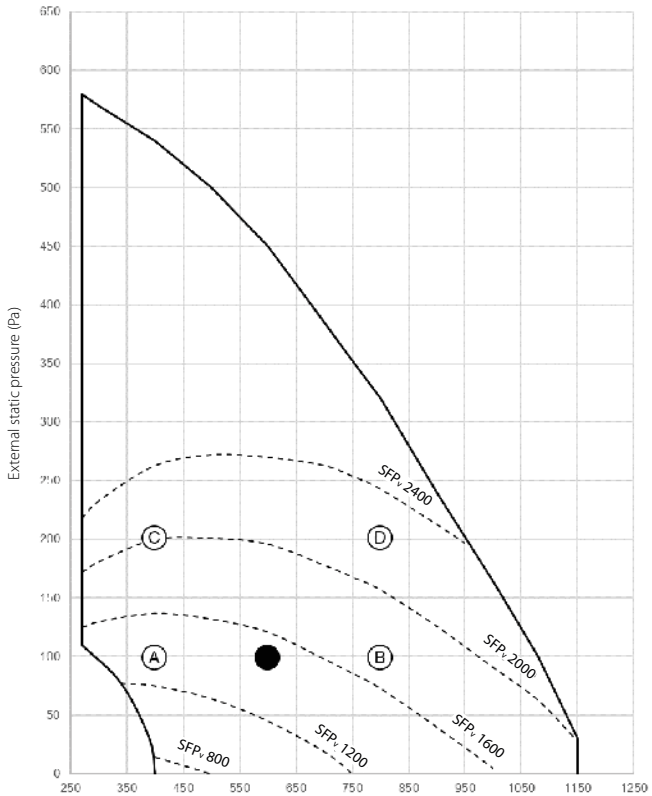
The diagram shows the available external pressure for the duct system given an airflow.

SFPv = Specific Fan Power (W/m3/s)

The SFPv curves are referring to the complete unit. Moreover, it includes power to both supply and extract fan divided by either the supply or extract volume whichever is the greater.

● Nominal working point

ALB03RBS/LBS



The diagram shows the available external pressure for the duct system given an airflow.

SFPv = Specific Fan Power (W/m3/s)

The SFPv curves are referring to the complete unit. Moreover, it includes power to both supply and extract fan divided by either the supply or extract volume whichever is the greater.

● Nominal working point

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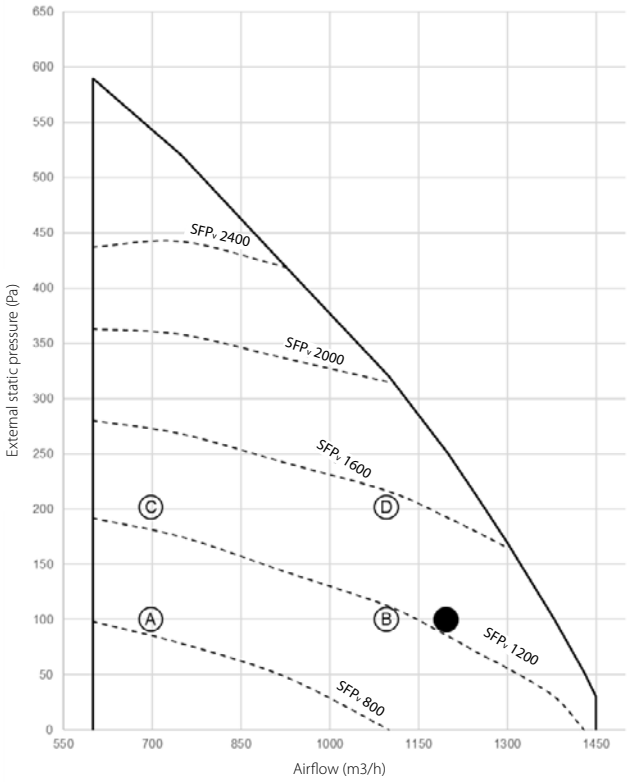
ALB04RBS/LBS



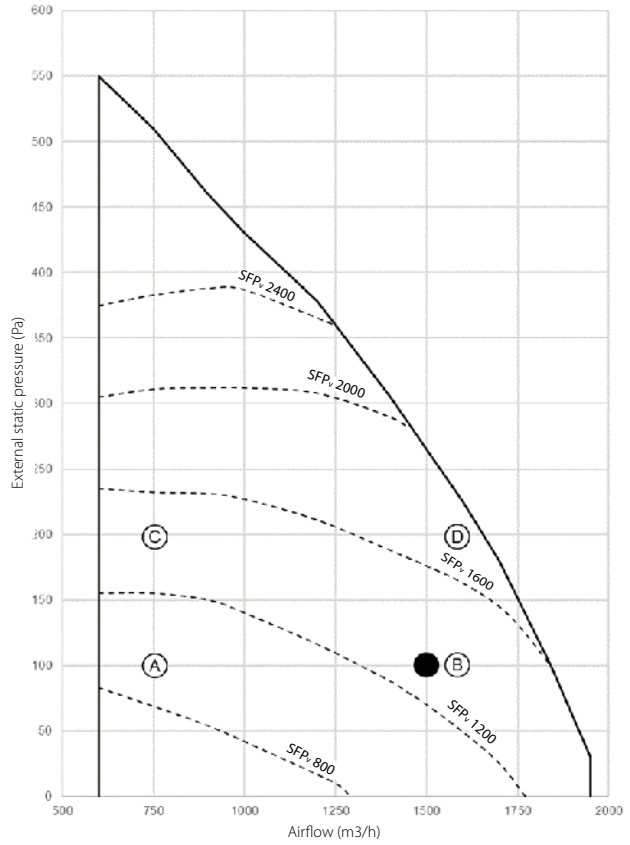
The diagram shows the available external pressure for the duct system given an airflow.

SFPv = Specific Fan Power (W/m3/s)

The SFPv curves are referring to the complete unit. Moreover, it includes power to both supply and extract fan divided by either the supply or extract volume whichever is the greater.

● Nominal working point

ALB05RBS/LBS



The diagram shows the available external pressure for the duct system given an airflow.

SFPv = Specific Fan Power (W/m3/s)

The SFPv curves are referring to the complete unit. Moreover, it includes power to both supply and extract fan divided by either the supply or extract volume whichever is the greater.

● Nominal working point

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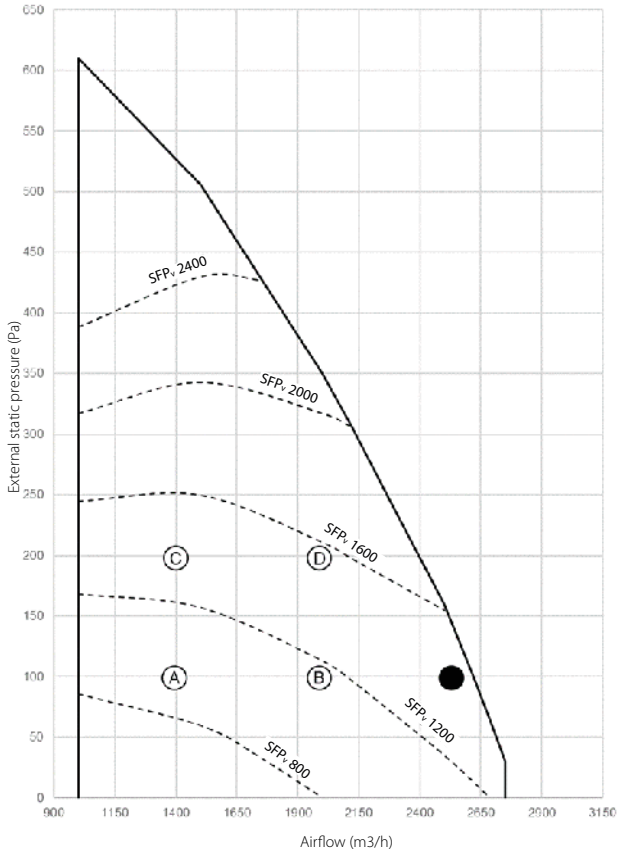
ALB06RBS/LBS



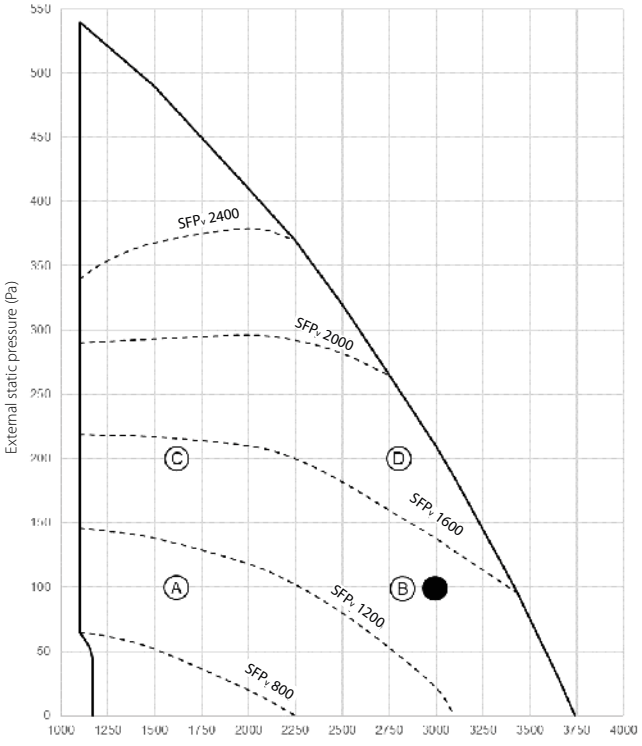
The diagram shows the available external pressure for the duct system given an airflow.

SFPv = Specific Fan Power (W/m3/s)

The SFPv curves are referring to the complete unit. Moreover, it includes power to both supply and extract fan divided by either the supply or extract volume whichever is the greater.

● Nominal working point

ALB07RBS/LBS



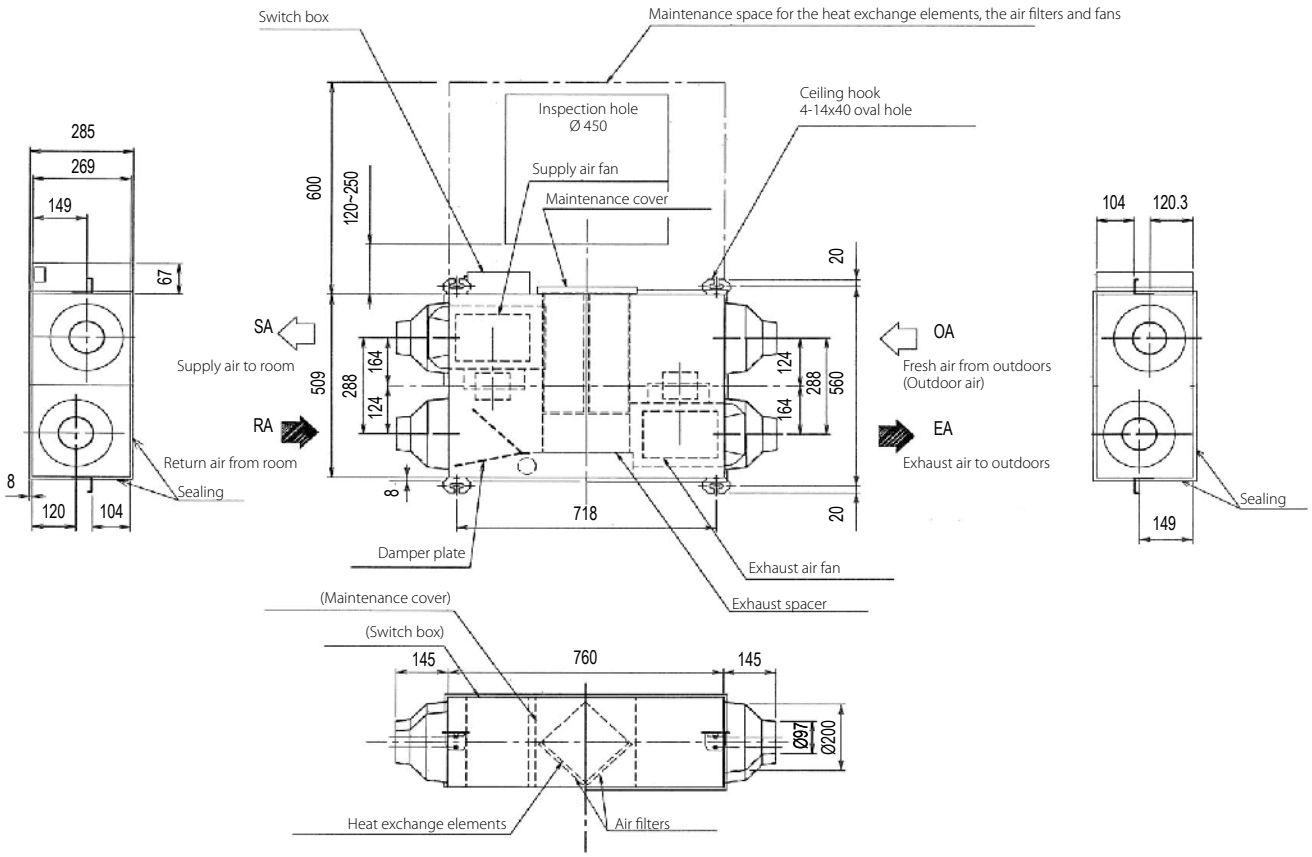
The diagram shows the available external pressure for the duct system given an airflow.

SFPv = Specific Fan Power (W/m3/s)

The SFPv curves are referring to the complete unit. Moreover, it includes power to both supply and extract fan divided by either the supply or extract volume whichever is the greater.

● Nominal working point

VAM150FC9

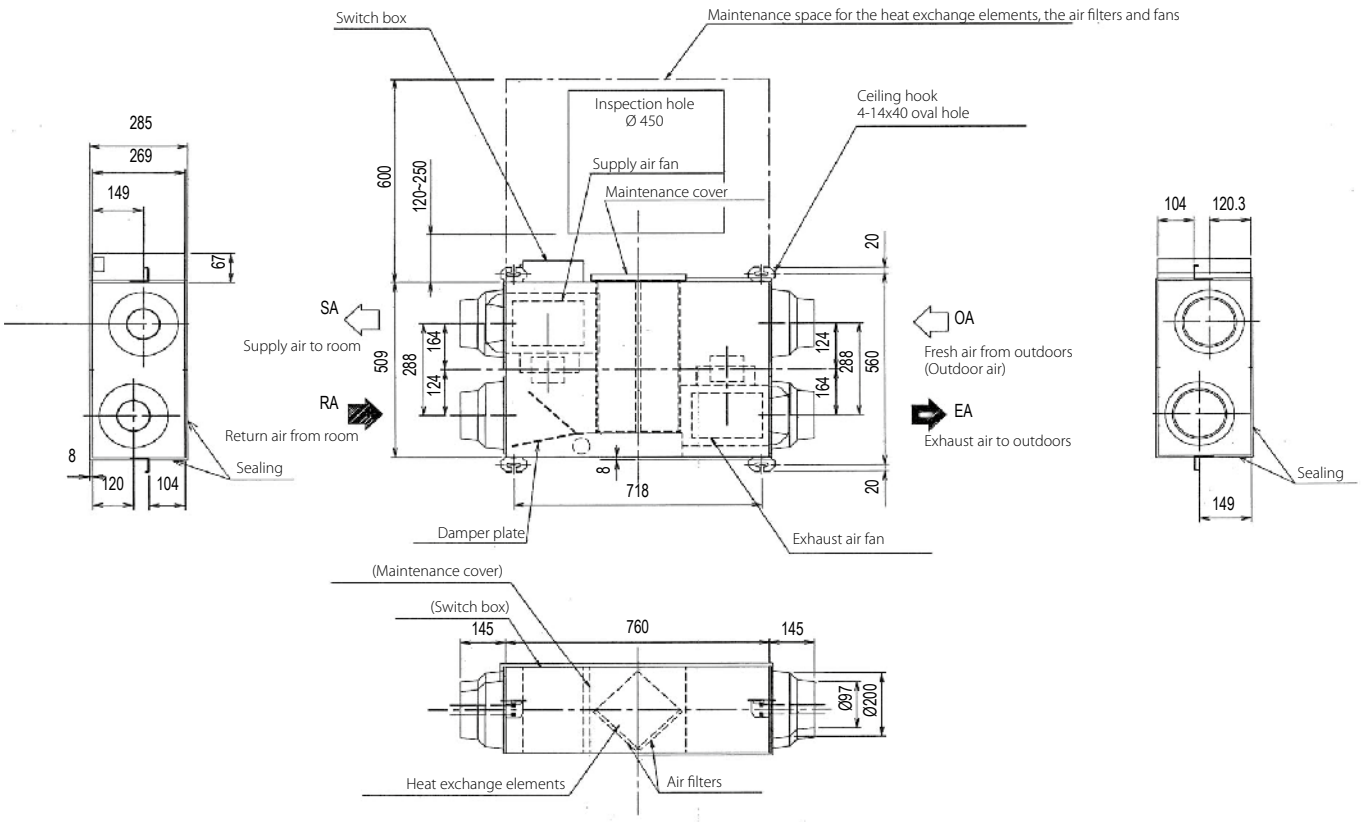


NOTES

1. Be sure to provide the inspection hole (450x450 mm) to inspect the air filters, the exchange elements and fans.

3TW27874-1

VAM250FC9

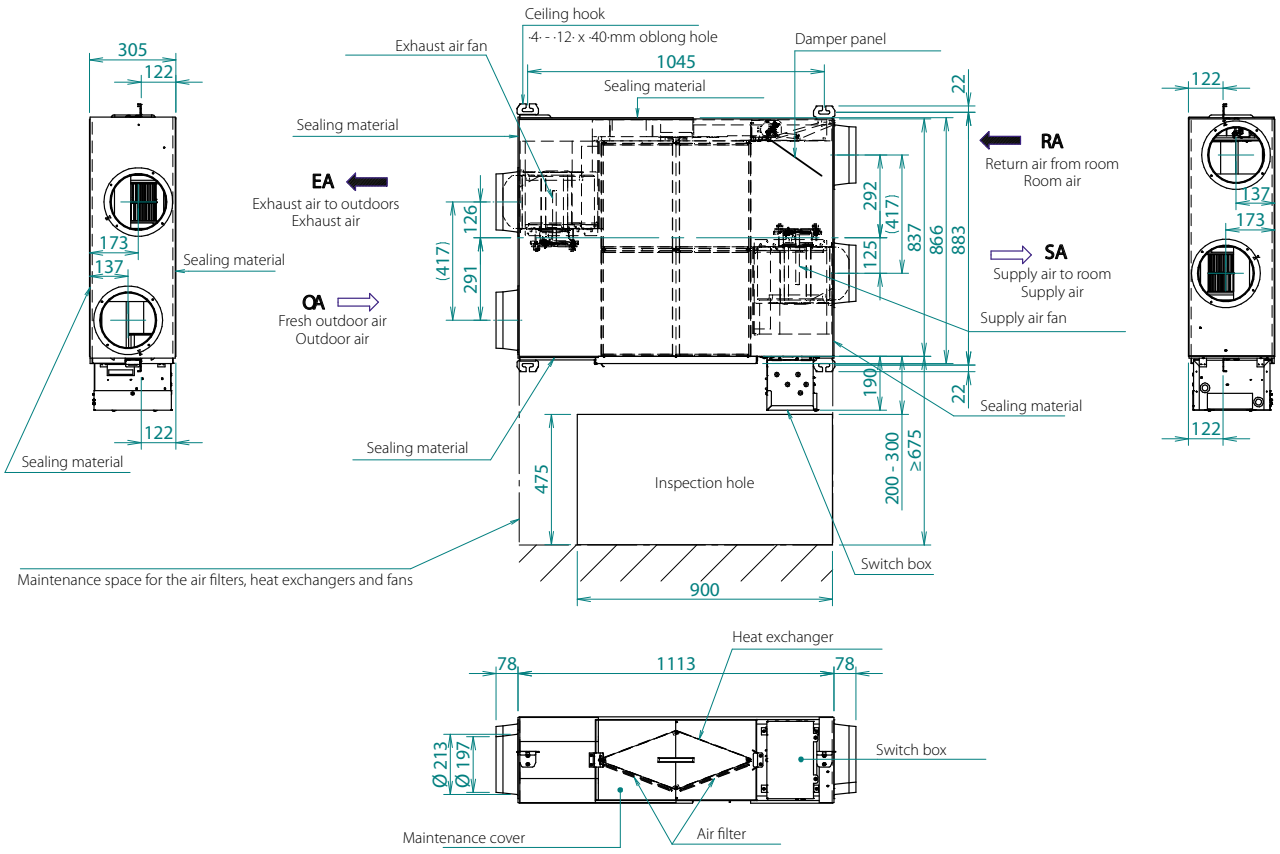


NOTES

1. Be sure to provide the inspection hole (450x450 mm) to inspect the air filters, the exchange elements and fans.

3TW27884-1

VAM350-500J8

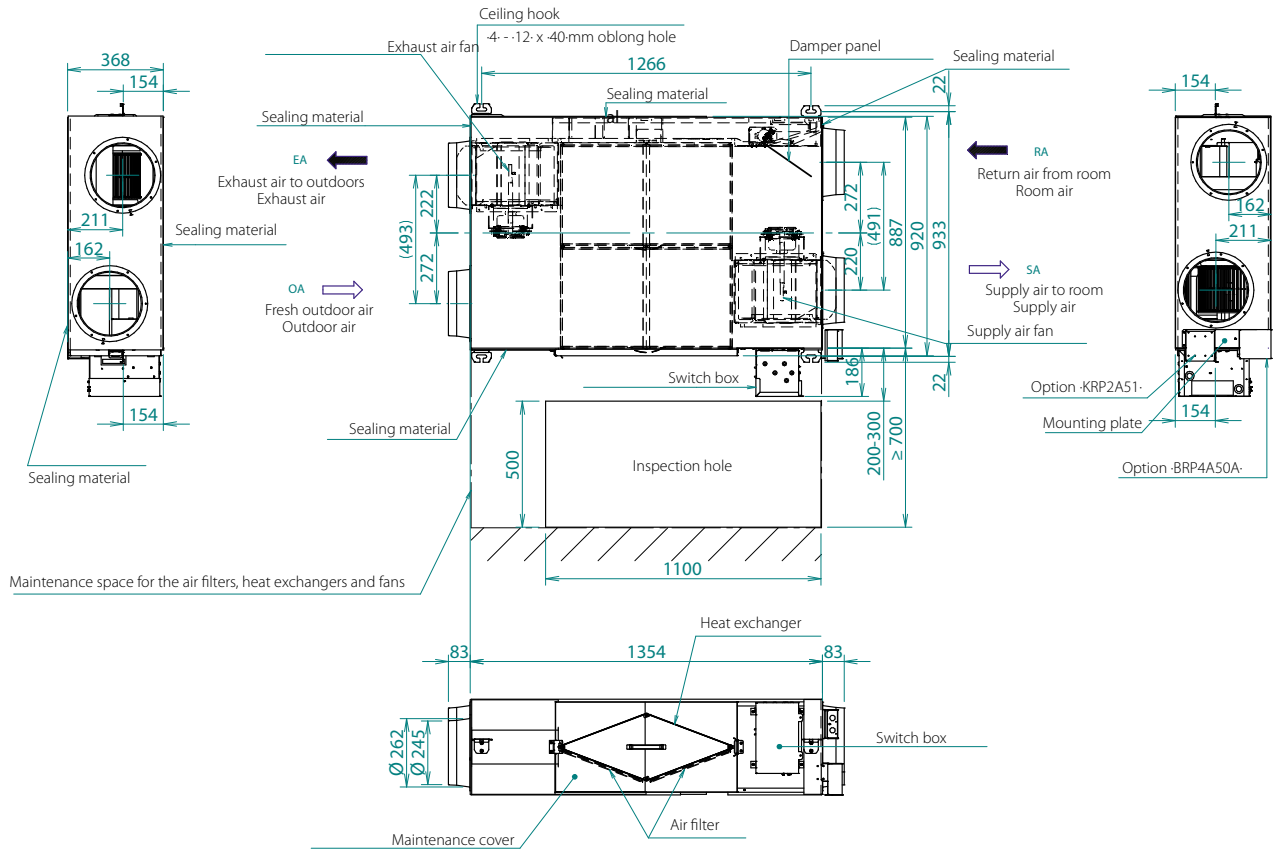


NOTES

1. To allow for the inspection of the air filters, heat exchangers, and fans, be sure to provide the inspection hole.

3D112815C

VAM650J8

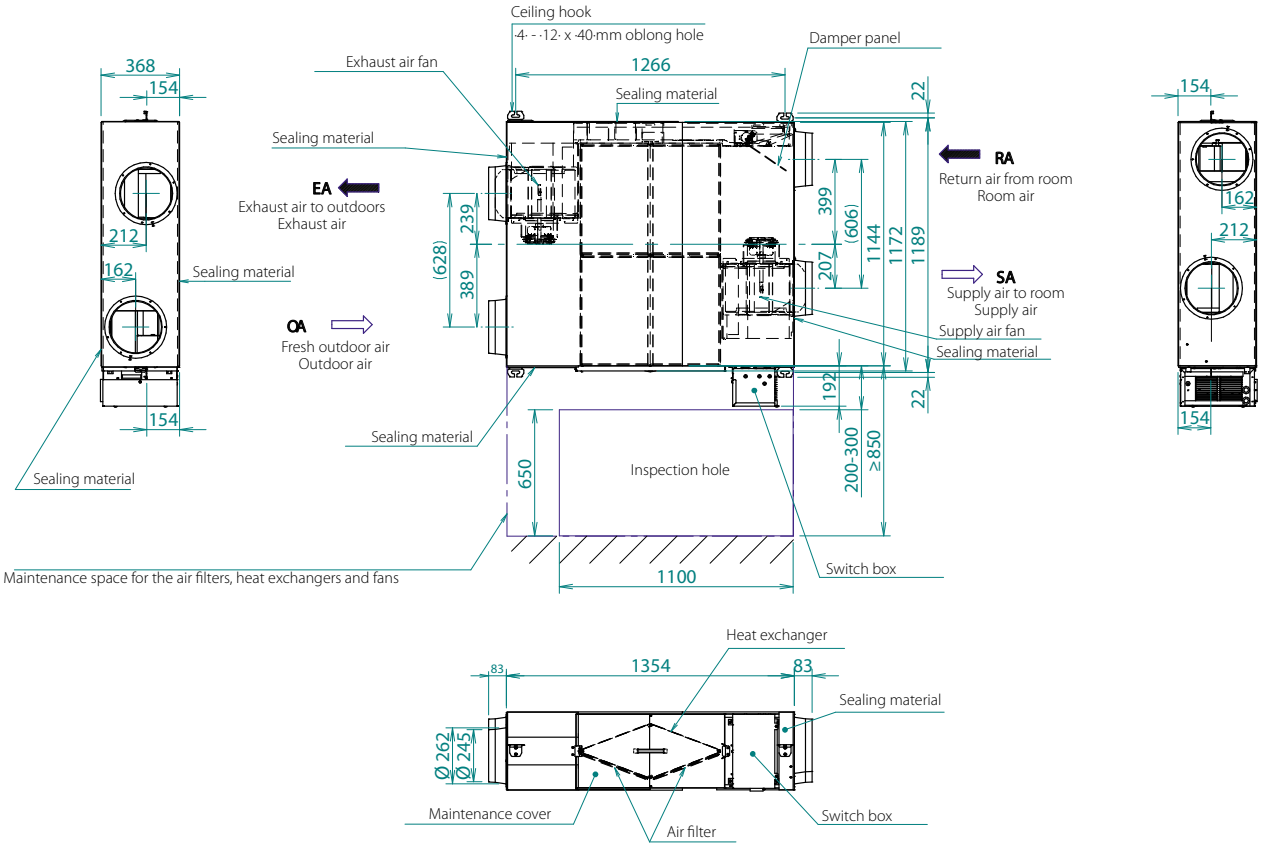


NOTES

1. To allow for the inspection of the air filters, heat exchangers, and fans, be sure to provide the inspection hole.

3D113502A

VAM800-1000J8

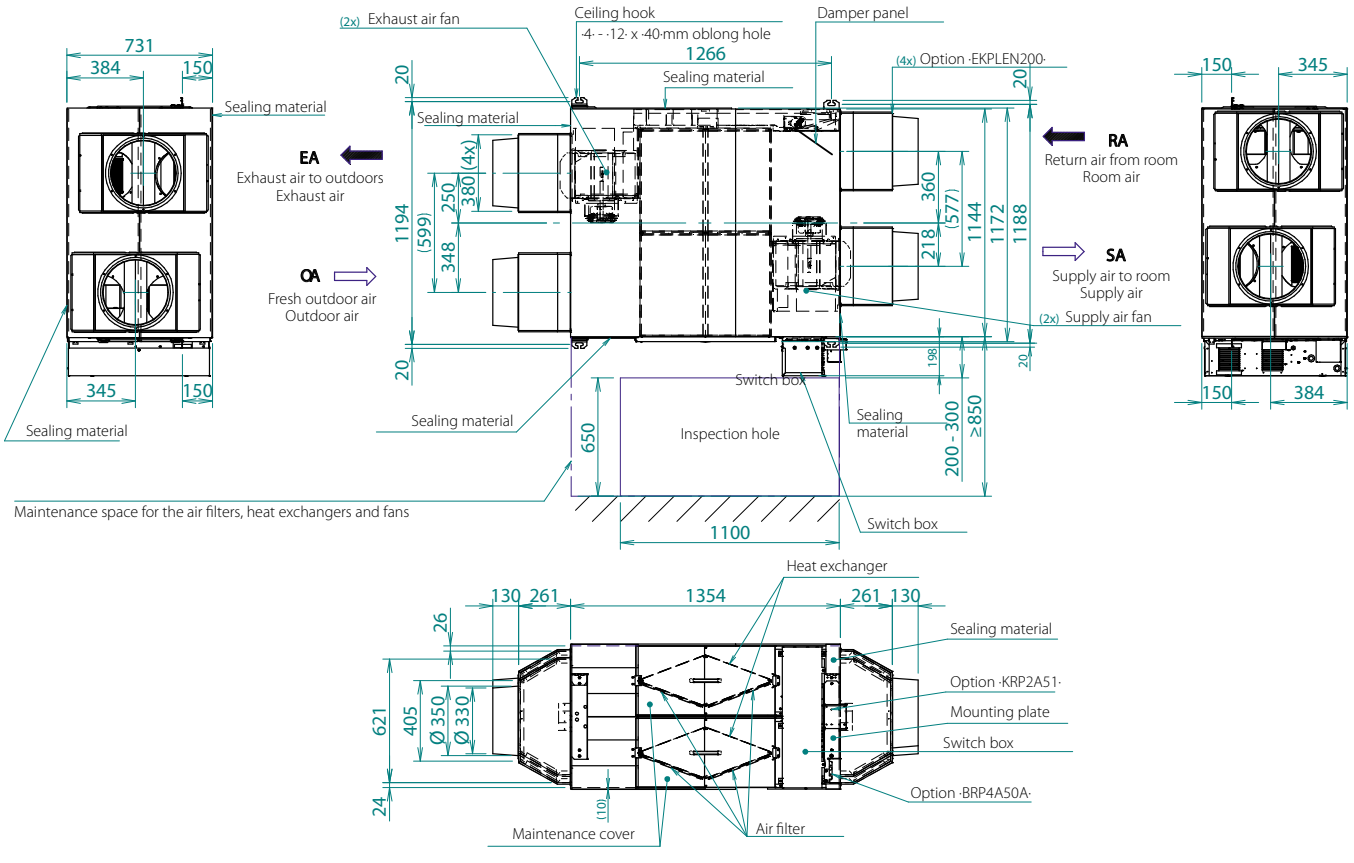


NOTES

1. To perform maintenance on the air filter, it is required to provide a service access panel.

3D112817D

VAM1500-2000J8

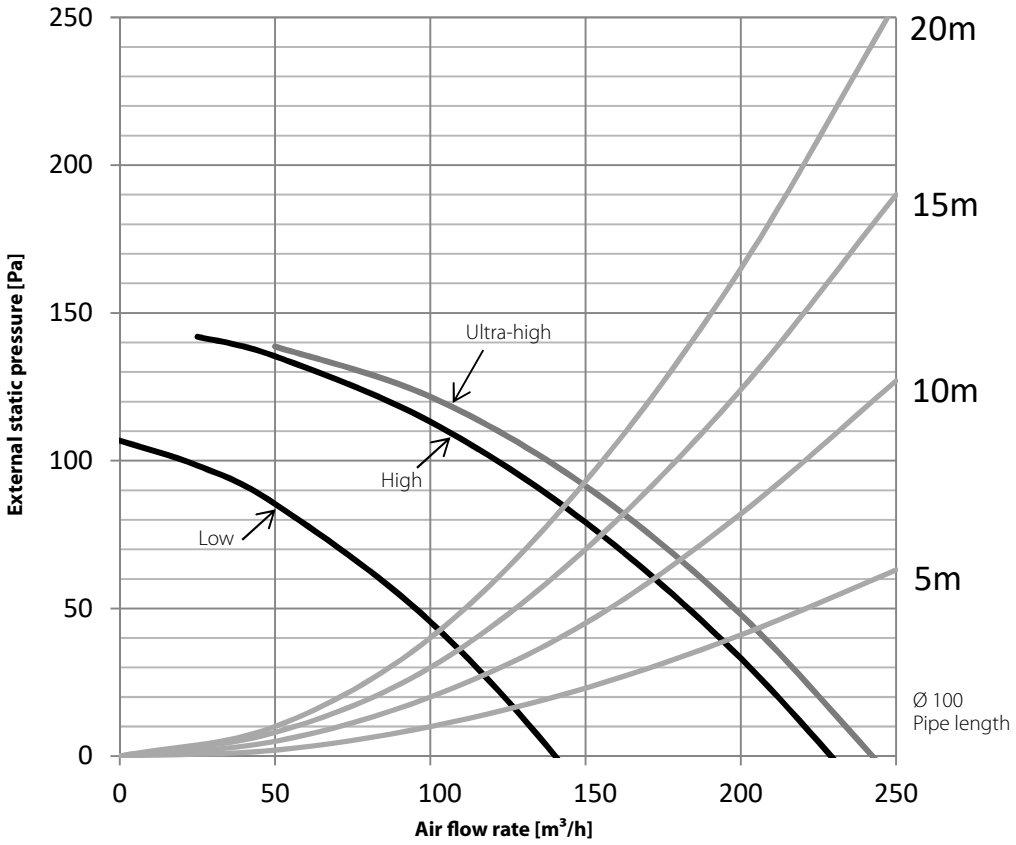


NOTES

1. To allow for the inspection of the air filters, heat exchangers, and fans, be sure to provide the inspection hole.

3D112818C

VAM150FC9

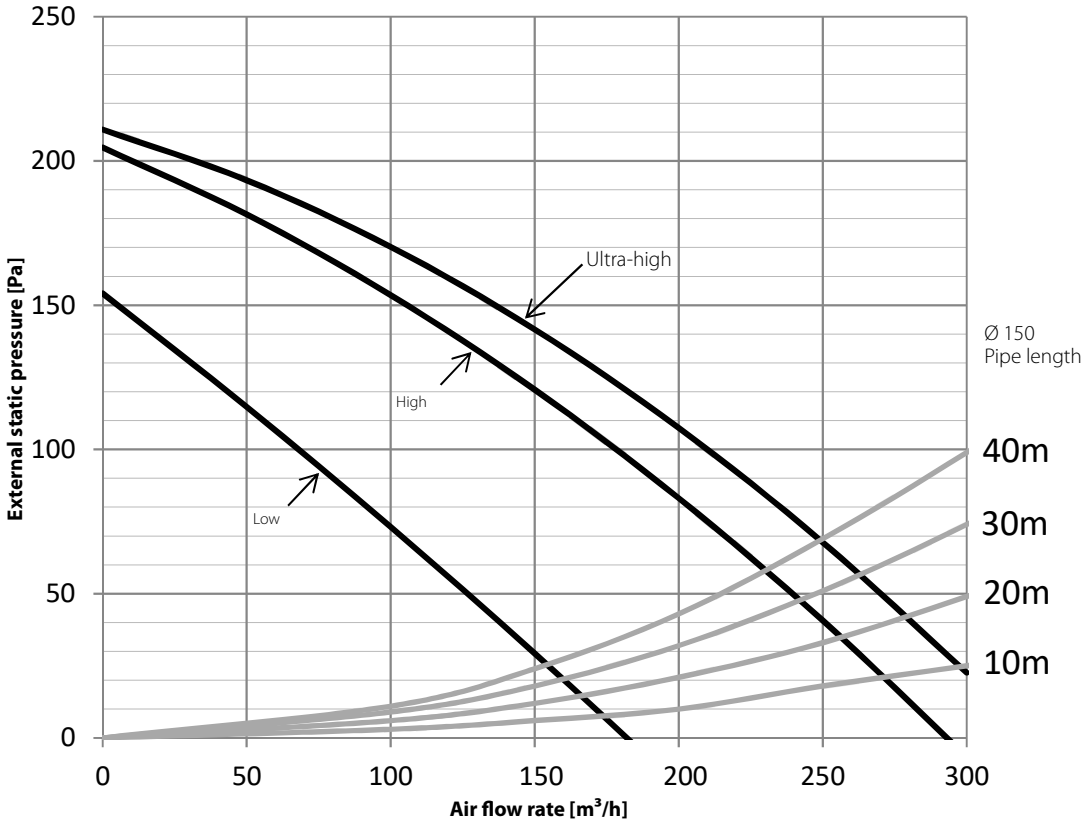


NOTES

1. The fan speeds are valid for ·230·V, ·50·Hz power supply.

4D100379A

VAM250FC9



NOTES

1. The fan speeds are valid for ·230·V, ·50·Hz power supply.

4D100380A

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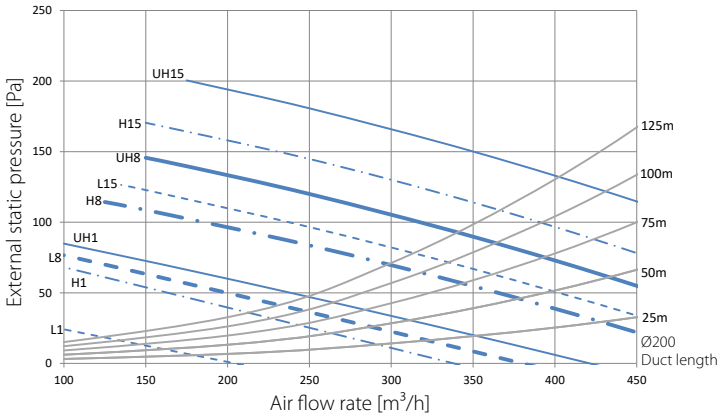
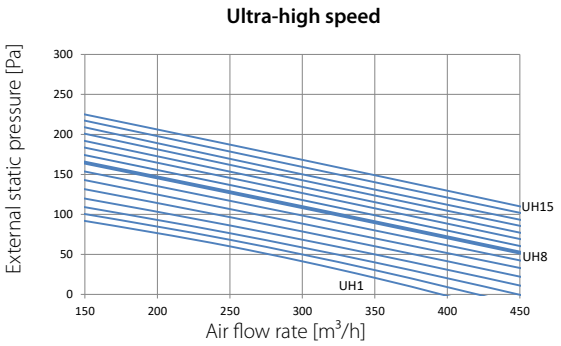
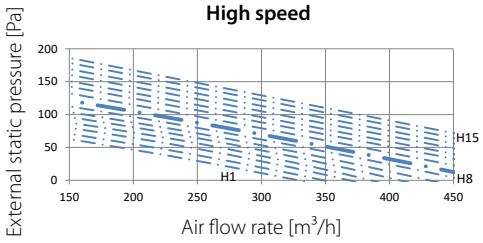
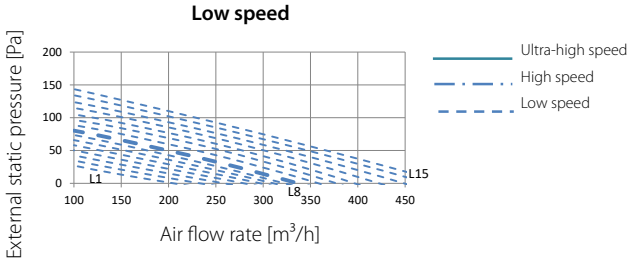
VAM350J8









NOTES

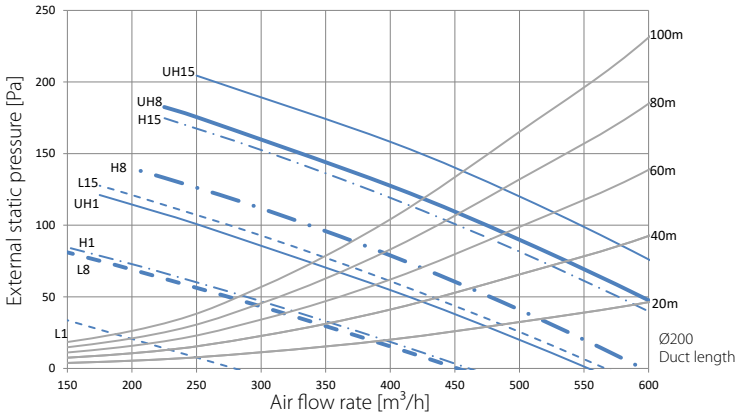
1. The fan curves are determined with ·1/3· of the ESP on the outdoor side (·EA & OA·), and ·2/3· of the ESP on the indoor side (·RA & SA·).
   EA = Exhaust air
   OA = Outdoor air
   RA = Room air
   SA = Supply air
2. Measured according to ·JIS B 8628 - 2003·

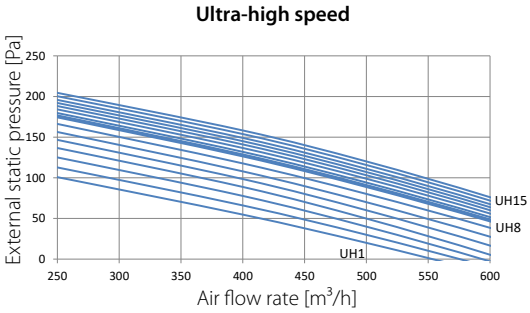
LEGEND

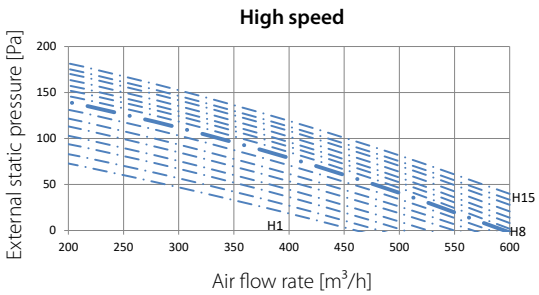
L1 = Low speed lower limit
L8 = Low speed factory setting
L15 = Low speed upper limit
H1 = High speed lower limit
H8 = High speed factory setting
H15 = High speed upper limit
UH1 = Ultra-high speed lower limit
UH8 = Ultra-high speed factory setting
UH15 = Ultra-high speed upper limit

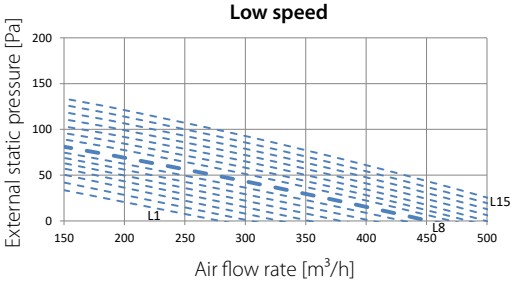
3D113493B

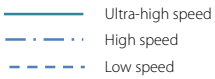
VAM500J8











NOTES

1. The fan curves are determined with ·1/3· of the ESP on the outdoor side (·EA & OA·), and ·2/3· of the ESP on the indoor side (·RA & SA·).
   EA = Exhaust air
   OA = Outdoor air
   RA = Room air
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2. Measured according to ·JIS B 8628 - 2003·

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L1 = Low speed lower limit
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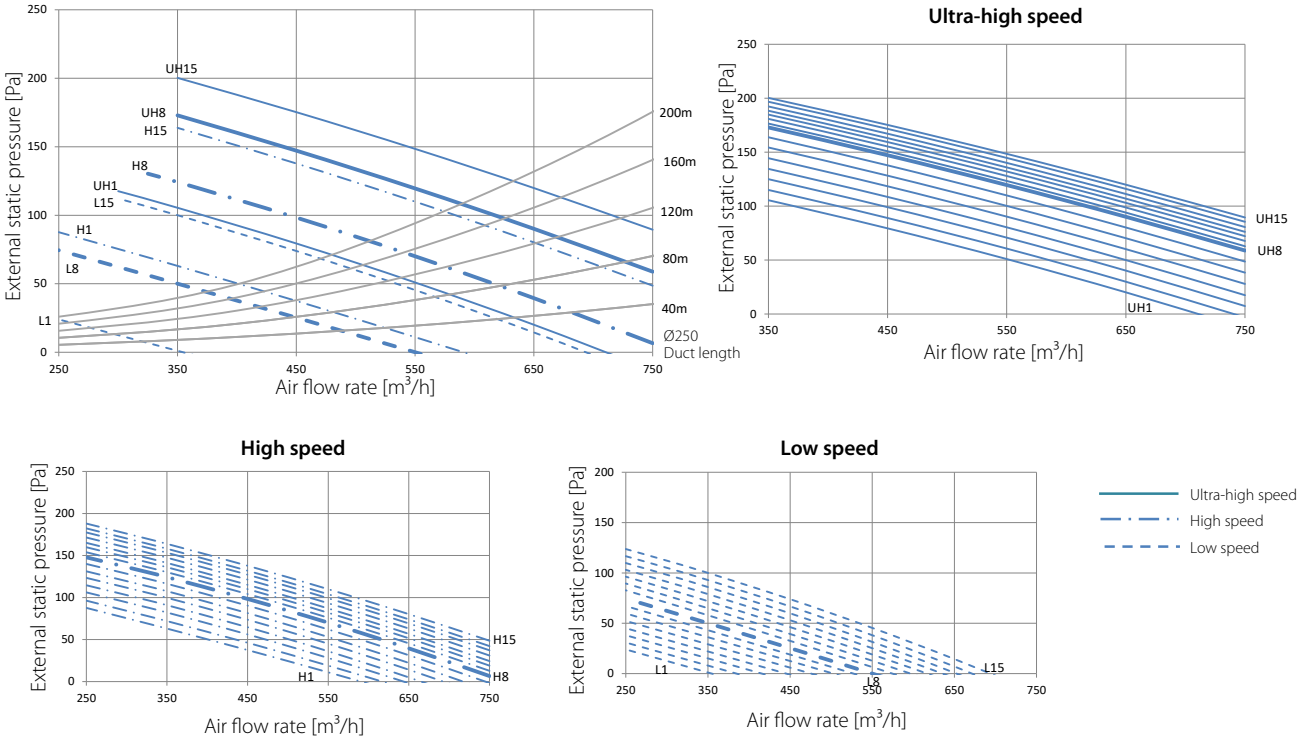
L15 = Low speed upper limit
H1 = High speed lower limit
H8 = High speed factory setting
H15 = High speed upper limit
UH1 = Ultra-high speed lower limit
UH8 = Ultra-high speed factory setting
UH15 = Ultra-high speed upper limit

3D113494B

VAM650J8



NOTES

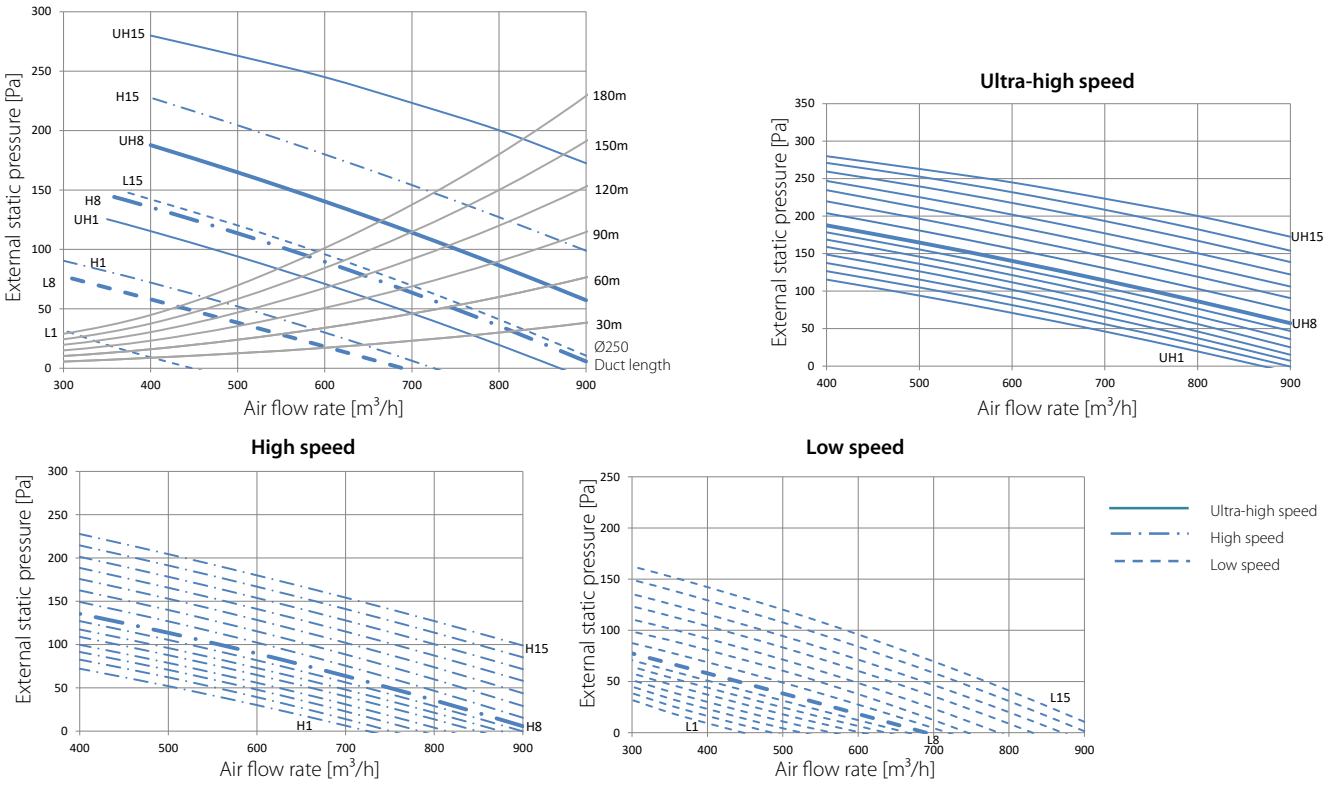
1. The fan curves are determined with 1/3 of the ESP on the outdoor side (EA & OA), and 2/3 of the ESP on the indoor side (RA & SA).
   EA = Exhaust air
   OA = Outdoor air
   RA = Room air
   SA = Supply air
2. Measured according to ·JIS B 8628 - 2003·

LEGEND

L1 = Low speed lower limit
L8 = Low speed factory setting
L15 = Low speed upper limit
H1 = High speed lower limit
H8 = High speed factory setting
H15 = High speed upper limit
UH1 = Ultra-high speed lower limit
UH8 = Ultra-high speed factory setting
UH15 = Ultra-high speed upper limit

3D113495B

VAM800J8



NOTES

1. The fan curves are determined with 1/3 of the ESP on the outdoor side (EA & OA), and 2/3 of the ESP on the indoor side (RA & SA).
   EA = Exhaust air
   OA = Outdoor air
   RA = Room air
   SA = Supply air
2. Measured according to ·JIS B 8628 - 2003·

LEGEND

L1 = Low speed lower limit
L8 = Low speed factory setting
L15 = Low speed upper limit
H1 = High speed lower limit
H8 = High speed factory setting
H15 = High speed upper limit
UH1 = Ultra-high speed lower limit
UH8 = Ultra-high speed factory setting
UH15 = Ultra-high speed upper limit

3D112837A

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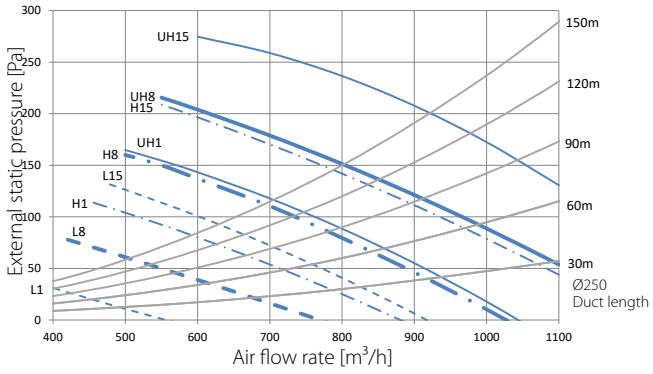
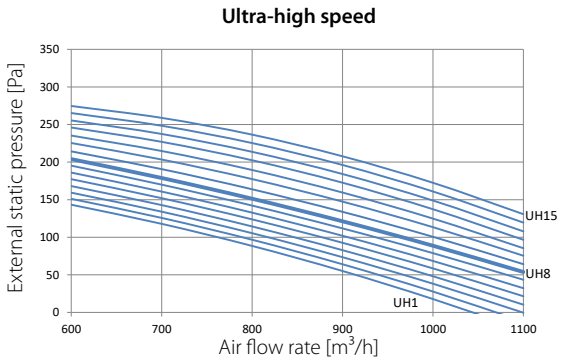
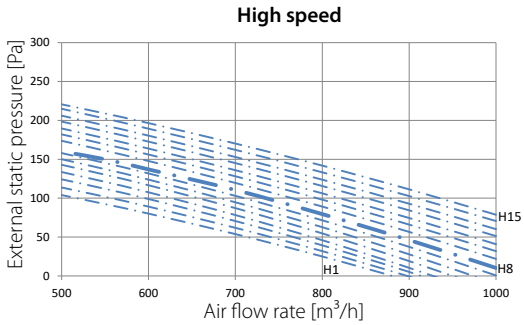
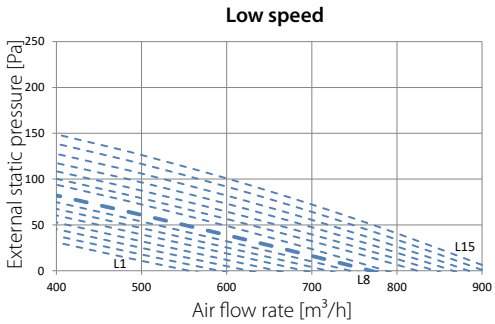
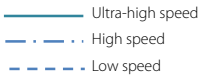
VAM1000J8











NOTES

1. The fan curves are determined with 1/3 of the ESP on the outdoor side (EA & OA), and 2/3 of the ESP on the indoor side (RA & SA).
   EA = Exhaust air
   OA = Outdoor air
   RA = Room air
   SA = Supply air
2. Measured according to ·JIS B 8628 - 2003·

LEGEND

L1 = Low speed lower limit
L8 = Low speed factory setting
L15 = Low speed upper limit
H1 = High speed lower limit
H8 = High speed factory setting
H15 = High speed upper limit
UH1 = Ultra-high speed lower limit
UH8 = Ultra-high speed factory setting
UH15 = Ultra-high speed upper limit

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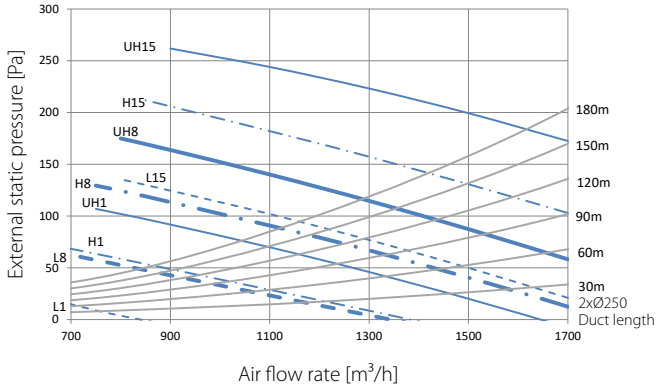
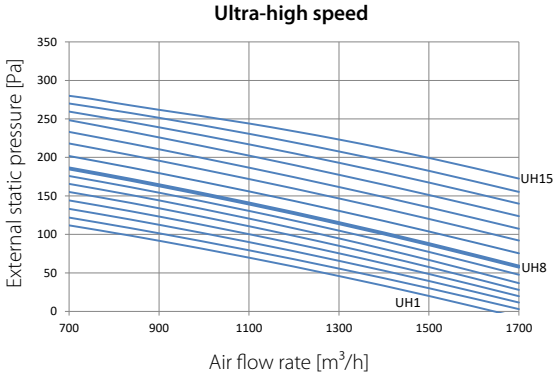
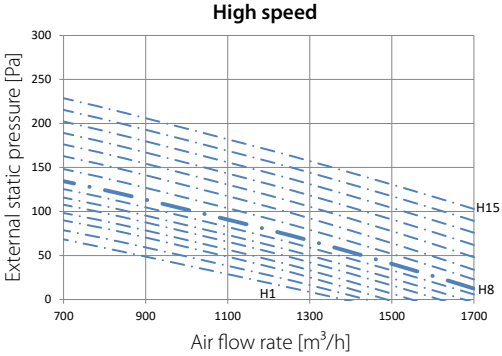
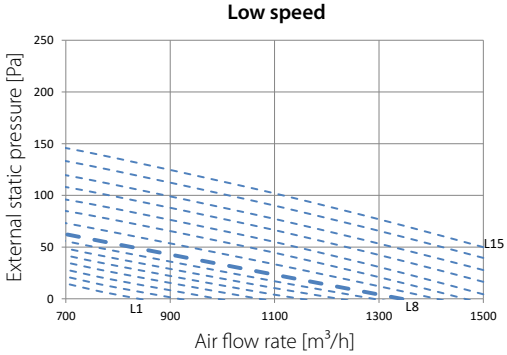
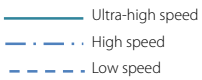
VAM1500J8











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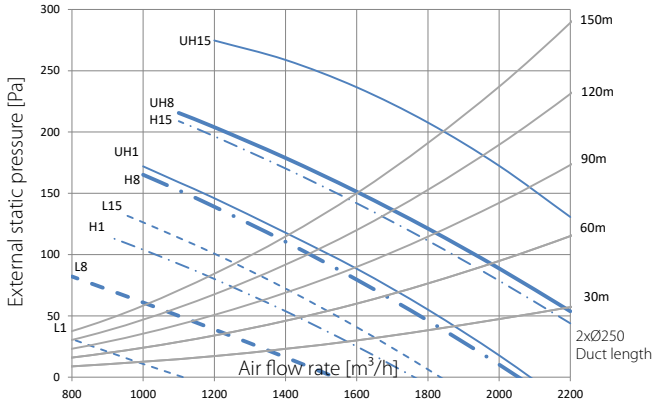
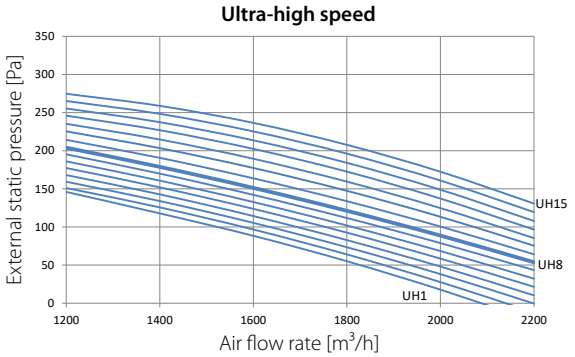
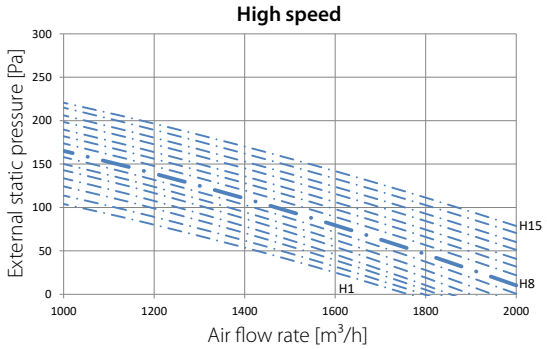
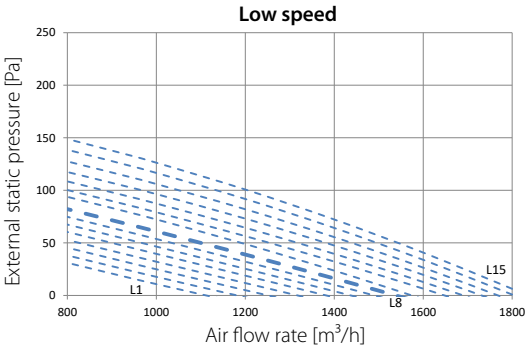
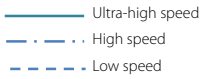
VAM2000J8











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UH15 = Ultra-high speed upper limit

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Notes

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