DAIKIN

SkyAir

Product catalogue 2025 for professionals

SkyAir A-series
BLUEVOLUTION

What's new?

New Sky Air Active-series combinations

p. 49

- AZAS/ARXM outdoor units now also combine with FHA71~140A9 and FVA100~140A
- Ideal solution for busy environments and small shops
- Maximum piping length up to 30m

Biddle air curtains - CYA

p. 58

- Unified model for R-32 and R-410A
- Connectable to VRV and ERQ
- 3 models: F: Free-hanging; C: Cassette and R: Recessed (concealed ceiling)

ERA- AV/AY/AYF

p. 101

Condensing unit range connectable to Air Curtains and Direct Expansion (DX) Air Handling Units (AHUs) for fresh air and recirculation applications.

Features:

- Based on energy saving inverter technology with the use of lower GWP R-32 refrigerant.
- Better management of load for medium size spaces due to VRV technology
- Wide range of expansion valve kits available for capacities of 6.3 to 30 kW

ERA-AYF

ERA-AY/AV

Daikin Cloud Plus

p. 122

- Remote monitoring and control no matter where you are
- Manage multiple sites and visualize energy consumption with benchmarking
- Remote diagnositcs
- Intelligent algorithms predict and prevent failures

Follow energy consumption via Onecta app

p. 110

- You can now easily follow up energy consumption thanks to visualisation of power consumption and heat output

Sky Air
Light commercial applications

We’re on a mission to build **a sustainable legacy**

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

Our sustainability values

Supporting decarbonisation

Our solutions are designed to **support your sustainable goals by reducing the CO_2 footprint of buildings**, whether they are new builds or renovation.

We continuously develop products with lower CO_2 footprint

We maximise real life seasonal efficiency, delivered in a transparent and trustworthy way

We reuse materials where possible, including refrigerants

A collective journey

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

We help to make the right choice based on the total lifecycle impact of the solutions

Our team of experts provide in-depth knowledge in the use of EPDs, green building schemes, etc.

AI predictive monitoring of our systems, keeps running costs low and maximises uptime

Building for the future

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

With our wide range of reliable solutions, our experts can meet even the most complex demands

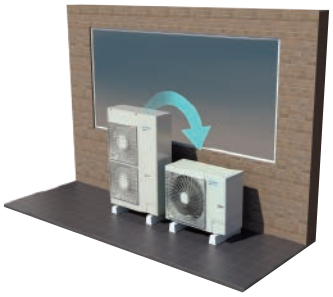
Making fresh air supply and filtration an integral part of our solution ensures maximum well being

Our solutions are in line with or ahead of legislation, proving you complete peace of mind

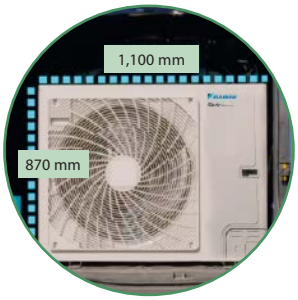
SkyAir Alpha-series

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

– 10 dB(A)!

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

SkyAir 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 62

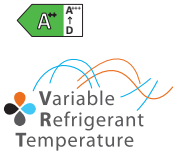
System	Type	Model		Product name	35	50	60	71	100	125	140	200	250
					3.5 kW	5.0 kW	6.0 kW	6.8 kW	9.5 kW	12.1 kW	13.4 kW	21.5 kW	23.6 kW
Air cooled	Heat pump	**Sky Air Alpha-series** ▪ Industry leading technology for commercial applications ▪ Dedicated solution for infrastructure cooling ▪ Variable Refrigerant 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)	R-32	RZAG-B RZAG-NV1/NY1									
		Sky Air Advance-series ▪ 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	R-32	RZASG-MV(1)/MY(1)									
				RZA-D									
		Sky Air Active-series ▪ 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	R-32	ARXM-A AZAS-MV/MY				NEW 	NEW 	NEW 	NEW 		

Full indoor line up

(over 45 different models)

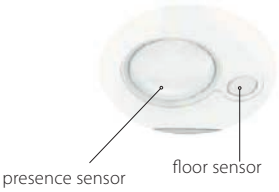
2 High energy efficiency

- **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**
- **UV Streamer kit**, purifies the air of pollutants such as viruses, bacteria, fine dust (PM1), odours, 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

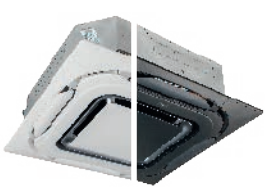
bottom plate refrigerant pass

5 Market leading controls

- **Remote connectivity**
  - **Intuitive app** control
  - **Daikin Cloud Plus** 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

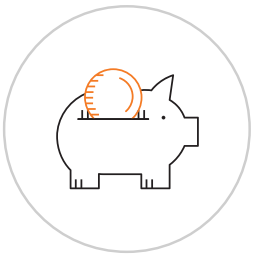


7 Unique installation benefits

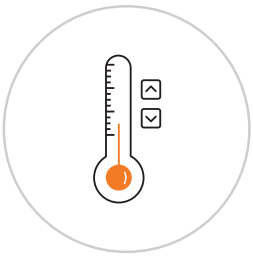
- **4-way blow ceiling suspended cassette** (FUA) for rooms without false ceiling.
- Plug & play Daikin air handling unit with ERQ condensing units
- Reliably replace Daikin and non-Daikin systems without the need for pipe cleaning thanks to the new hepta filtration
- Dedicated low sound enclosure, reducing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

Year-round comfort with air-to-air heat pumps

Get year-round comfort with advanced, efficient, heating and cooling technology.



Energy efficient for sustainability and savings



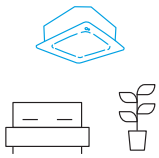
Effortles temperature control, maximum comfor

Optimal indoor air quality

Sleek, elegant design

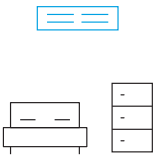
Designed to suit any space

Having the widest range on the market, Sky Air units will always fit your needs.



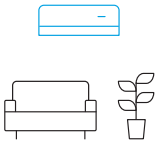
Cassette units

- Centrally located for balanced comfort
- Mounted against or in the ceiling, leaving maximum space at the walls



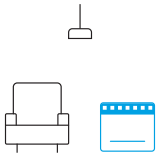
Conceiled ceiling unit

- Discretely conceald in the ceiling
- Only the grilles ar visible



Wall mounted

- For installation high on the wall
- Ideal for above indoor installations



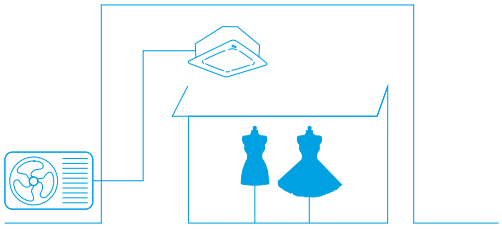
Floor standing

- For installation on the ground
- This unit can be fit beneath a window

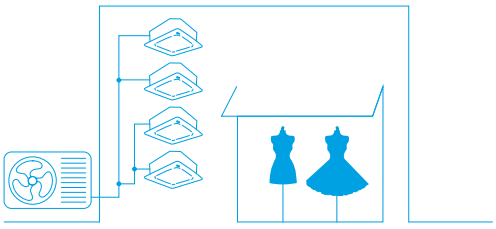
Tackle any size of room

Connect up to 4 indoor units on 1 outdoor unit to tackle also larger or irregular shaped rooms. All units are linked to a single control, ensuring an even comfort experience.

Pair solution



Twin, triple, double twin solution



A total building solution

Our Sky Air solution does not only control temperature. Also fresh air ventilation and over-door air curtains keep your indoor space at the highest comfort. All controllable from any place you are and giving in-depth information on energy consumption to optimize energy use.

Heating and cooling for year round comfort

Fresh air ventilation for high quality environments

Controls for maximum operating efficiency

Air curtains for optimum air separation

Typical Sky Air applications

Shops

Reducing retail costs

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

youtube.com/
DaikinEurope

Shops

Offices

Efficiency in the workplace

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

youtube.com/
DaikinEurope

Office

Hotel

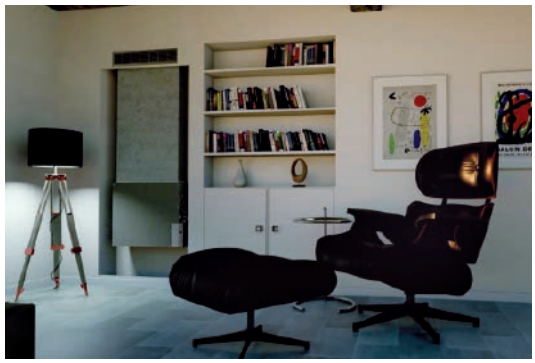
Hospitality with economy

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

Residential

There is no place like home

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



Infrastructure cooling

Maximum reliability for IT rooms, laboratories and telecom shelters

"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 that integrates fully flat into the ceiling** ▪ Perfect integration in standard architectural ceiling tiles ▪ Blend of iconic design and engineering excellence ▪ Intelligent sensors save energy and maximize comfort ▪ Small capacity unit developed for small or well-insulated rooms ▪ Flexibility to suit every room layout
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
	NEW Perfera wall mounted unit	FTXM-A		46	**For rooms with no false ceilings nor free floor space** ▪ Practically inaudible ▪ Perfect comfort thanks to comfort+ function and 2 area motion 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		51	**Unique Daikin unit for high rooms with no false ceilings nor free floor space** ▪ Rooms with ceilings up to 3.5m can be heated up or cooled down very easily! ▪ Can easily be installed in both new and refurbishment projects Intelligent sensors save energy and maximize comfort ▪ Flexibility to suit every room layout
Floor standing	Floor standing unit	FVA-A		53	**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		56	**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-B	RZAG-NV1/NY1	RZASG-MV(1)/MY(1)	RZA-D	NEW AZAS-MV/MY	NEW ARXM-A
				•	•	•	•				✓				
	•	•	•	•	•	•	•			✓	✓	✓	✓	✓	✓
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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, odours, 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	NEW FTXM-A	FVA-A	FNA-A9
													
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○	○												
• (Optional high efficiency filter ePM10 60%)	•	•	•	•	•	•	•	•	•	•	• (Flash streamer; titanium apatite deodorising filter)	•	•
•	•	•	•	•	•	•	•	•	•	•	•	•	•
•	•	•											
•	•	•						•	•	•	• (incl. 3D air flow)	•	
5 + auto	5 + auto	3 + auto	3	3 + auto	9 + auto	3 + auto	3 + auto	5 + auto	3 + auto	3 + auto	5 + auto	3 + auto	3 + auto
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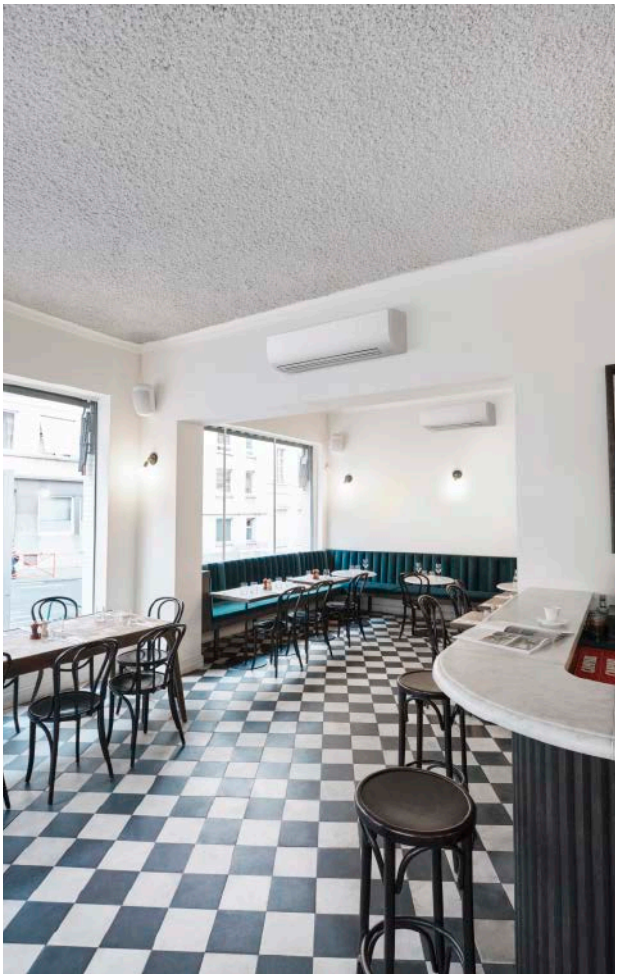
• standard, ○ optional

Fully flat cassette

Concealed ceiling unit

Concealed floor standing unit

4-Way blow ceiling suspended cassette



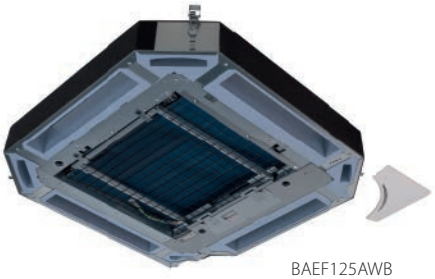
Wall mounted unit

Ceiling suspended unit

Round flow cassette, with UV streamer kit

Pure air because we care

Breathe healthy air with the round flow UV Streamer kit



BAEF125AWB

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

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), odours, allergens, etc ensuring a healthy and hygenic indoor environment
- Unique catch & clean approach includes an ISO ePM1 60% (F7) filter, UV-C light and Streamer technology
- 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

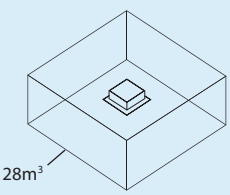
Catch & Clean approach

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

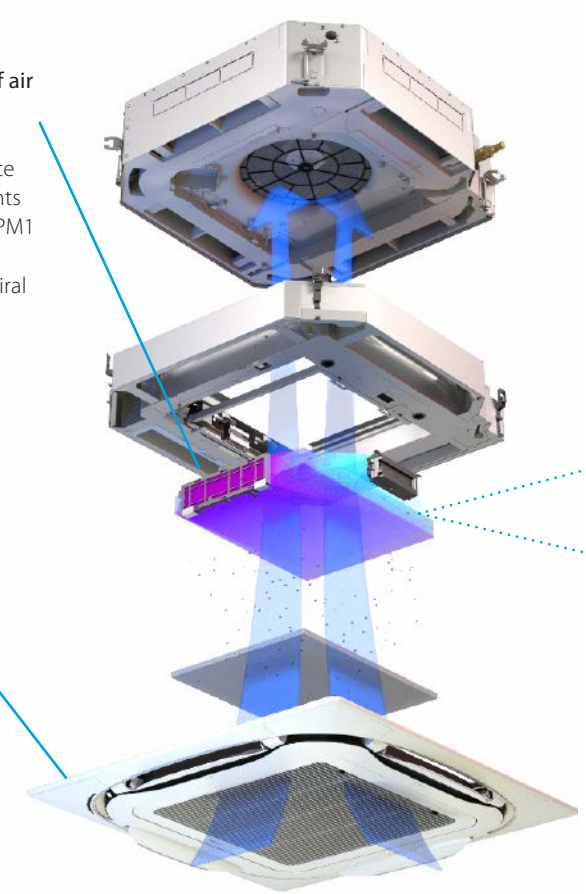


View full test report:

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

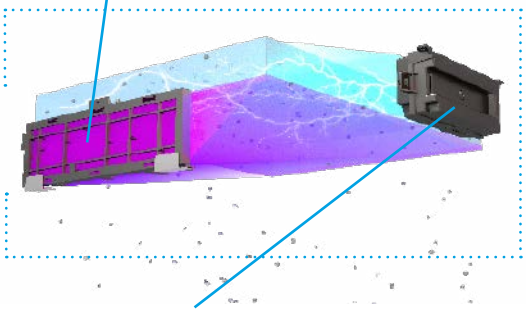
1 **Effective capturing of air borne pollutants**
- Highly efficient capturing particulate matter and pollutants thanks to the ISO ePM1 60% (F7) filter
- Anti bacterial and viral coating

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 bacteria and viruses.



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

Specifications

		BAEF125AWB
Power Supply		1P, 220-240V, 50/60 Hz
Dimensions HxWxD	mm	100x840x840
Weight	kg	12
Compatible decoration panels		BYCQ140E/BYCQ140EW * (UV-streamer kit cannot be used with other filters, chambers, fresh air intake kits or air discharge outlet sealing member kit)
Filter efficiency		ePM1 60% @ISO16890 (F7)
Replacement interval		Pleated filter (BAF55A125): every year Flash streamer device: every 7 years UV-C LED: every 7 years

* For compatibility with older panels, consult your local sales representative

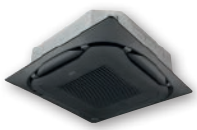
Download the leaflet here:

Complete indoor comfort, including pure air

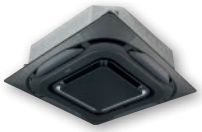
The round flow cassette

presence sensor floor sensor

- 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**
  - Purifies the air of pollutants such as viruses, bacteria, fine dust PM1, odours, allergens, etc ensuring a healthy and hygienic indoor environment
  - Unique catch & clean approach includes an ISO ePM1 60% (F7) filter, UV-C light and Streamer technology
  - Can be **retrofitted** into existing installations

UV STREAMER

99.9%

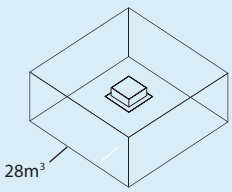
of viruses removed in 30 minutes, thanks to Daikin's unique

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



View full test report:

High COP, round flow cassette

ROUND FLOW · UV · STREAMER · SkyAir Alpha-series BLUEVOLUTION

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.
- 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
- UV streamer kit, purifies the air of pollutants such as viruses, bacteria, fine dust, odours, 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

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+++ -> D)		-		A++ (A+++ -> D)		-	
	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+++ -> D)		-		A+ (A+++ -> D)	A++ (A+++ -> D)	-	
	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/High		dBA	29.0/36.0	33.0/44.0	35.0/45.0	37.0/45.0	29.0/36.0	33.0/44.0	35.0/45.0	37.0/45.0
	Heating	Low/High		dBA	29.0/36.0	33.0/44.0	35.0/45.0	37.0/45.0	29.0/36.0	33.0/44.0	35.0/45.0	37.0/45.0
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							
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							
	Level difference	IU - OU	Max.	m	30							
	Additional refrigerant charge			kg/m	See installation manual							
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 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
- UV streamer kit, purifies the air of pollutants such as viruses, bacteria, fine dust, odours, 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


Floor and presence sensor

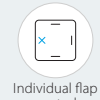

Home leave operation


Auto cleaning filter


RZAG-NV1_NY1


BRC1H52W BRP069C82


Draught prevention


Individual flap control


White panel


White auto cleaning panel


Black panel


Black design panel

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

Efficiency data				FCAG + RZAG	35B + 35B	50B + 50B	60B + 60B	71B + 71NV1	100B + 100NV1	125B + 125NV1	140B + 140NV1	71B + 71NY1	100B + 100NY1	125B + 125NY1	140B + 140NY1
Cooling capacity	Nom.			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	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+++ -> D)					-		A++ (A+++ -> D)		-	
	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+++ -> D)					-		A+ (A+++ -> D)		-	
	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			204x840x840	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/High		dBA	27.0/31.0		28.0/33.0	28.0/35.0	29.0/37.0	29.0/41.0		28.0/35.0	29.0/37.0	29.0/41.0	
	Heating	Low/High		dBA	27.0/31.0		28.0/33.0		29.0/37.0	29.0/41.0		28.0/33.0	29.0/37.0	29.0/41.0	
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										
Piping connections	Drain				VP25 (O.D. 32 / I.D. 25)										

Outdoor unit				RZAG	35B	50B	60B	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							
	Level difference	IU - OU	Max.	m	30.0			30							
	Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 30m)			See installation manual							
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 cassette

ROUND FLOW UV STREAMER

SkyAir Advance-series BLUEVOLUTION

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!
- UV streamer kit, purifies the air of pollutants such as viruses, bacteria, fine dust, odours, 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

Floor and presence sensor

Home leave operation

Auto cleaning filter

Draught prevention

Individual flap control

RZASG100-140MV(1)/MY(1)

BRC1H52W, BRP069C82

White panel

White auto cleaning panel

Black panel

Black design panel

FCAG-B RZASG-MV1 RZASG-MY1 RZASG-MV RZASG-MY

Efficiency data				FCAG + RZASG	71B + 71MV1	100B + 100MV(1)	125B + 125MV(1)	140B + 140MV(1)	100B + 100MY(1)	125B + 125MY(1)	140B + 140MY(1)
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+++ -> D)		-		A++ (A+++ -> D)		-
	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+++ -> D)		-		A+ (A+++ -> D)		-
	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	100MV(1)	125MV(1)	140MV(1)	100MY(1)	125MY(1)	140MY(1)
Dimensions	Unit	HeightxWidthxDepth		mm	770x900x320	990x940x320					
Weight	Unit			kg	60	70 (MV1)/72 (MV)		78 (MV1)/79 (MV)	70 (MY1)/72 (MY)		78 (MV1)/79 (MV)
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 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
- UV streamer kit, purifies the air of pollutants such as viruses, bacteria, fine dust, odours, 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 ARXM-A AZAS-MV AZAS-MY

FCAG-B

Floor and presence sensor

Home leave operation

Auto cleaning filter

Draught prevention

Individual flap control

AZAS100-140MV_MY

BRC1H52W, BRP069C82

White panel

White auto cleaning panel

Black panel

Black design panel

Efficiency data				FCAG + ARXM / AZAS	71B + ARXM71A	100B + AZAS100MV	125B + AZAS125MV	140B + AZAS140MV	100B + AZAS100MY	125B + AZAS125MY	140B + AZAS140MY
Cooling capacity	Nom./Max.			kW	6.80/7.05	9.50/-	12.1/-	13.4/-	9.50/-	12.1/-	13.4/-
Heating capacity	Nom./Max.			kW	7.50/7.58	10.8/-	13.5/-	15.5/-	10.8/-	13.5/-	15.5/-
Space cooling	Energy efficiency class				A+ (A+++ -> D)		-		A+ (A+++ -> D)		-
	Capacity		Pdesign	kW	6.80	9.50	12.1	13.0	9.50	12.1	13.0
	SEER				5.87	6.1	5.6	6.2	6.1	5.6	6.2
	ηs,c			%	-		221	245	-	221	245
	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+++ -> D)	A (A+++ -> D)	-		A (A+++ -> D)	-	
	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						

					NEW	NEW	NEW	NEW	NEW	NEW	NEW
Outdoor unit				ARXM / AZAS	ARXM71A	AZAS100MV	AZAS125MV	AZAS140MV	AZAS100MY	AZAS125MY	AZAS140MY
Dimensions	Unit	HeightxWidthxDepth		mm	734x954x401	990x940x320					
Weight	Unit			kg	49.0	72		79	72		79
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	-10~46						
	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	16	25	32		16		

Contains fluorinated greenhouse gases

ROUND FLOW UV STREAMER

Round flow cassette

360° air discharge for optimum efficiency and comfort

- Combination with split outdoor units is ideal for small retail, offices or residential 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!
- UV streamer kit, purifies the air of pollutants such as viruses, bacteria, fine dust, odours, 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

FCAG-B | RXM-A | RXM-A8 | RXM-A9

Efficiency data				FCAG + RXM	35B + 35A9	50B + 50A8	60B + 60A
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+++ -> D)	A++ (A+++ -> D)	
	Capacity		Pdesign	kW	3.50	5.00	5.70
	SEER				6.51	6.46	6.40
	Annual energy consumption			kWh/a	188	271	312
Space heating (Average climate)	Energy efficiency class				A++ (A+++ -> D)	A+ (A+++ -> D)	
	Capacity		Pdesign	kW	3.32	4.36	4.71
	SCOP/A				4.98	4.26	4.20
	Annual energy consumption			kWh/a	933	1,433	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		28.0/31.0/33.0
	Heating	Low/Medium/High		dBA	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		

					NEW	NEW	NEW
Outdoor unit				**RXM**	**35A9**	**50A8**	**60A**
Dimensions	Unit	HeightxWidthxDepth		mm	610x923x367		734x954x401
Weight	Unit			kg	36	40	49.0
Sound pressure level	Cooling	Nom.		dBA	47.0	48.0	
	Heating	Nom.		dBA	49.0		
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~46		
	Heating	Ambient	Min.~Max.	°CWB	-15~18		
Refrigerant	Type				R-32		
	GWP				675	675.0	
	Charge			kg/TCO2Eq	0.95/0.65		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	13		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

Choice between grey or white panel

Benefits for the installer

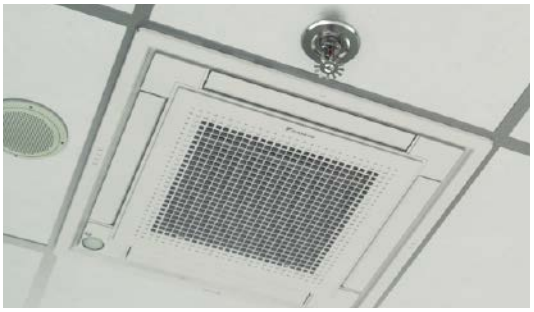
- Unique product in the market!
- Most quiet unit (25dBA)
- The user-friendly remote control, available in several languages, enables the easy set-up of sensor option and control of the individual flap position
- Meeting European design taste.

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 or VRV heat pump units.

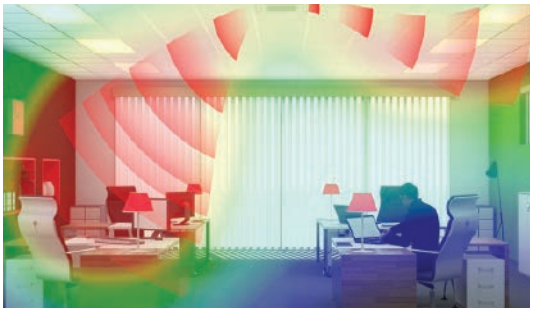
Benefits for the end user

- 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).



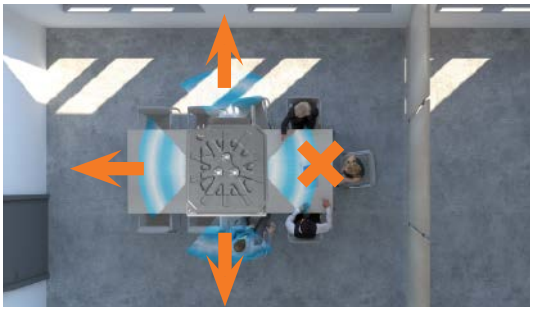
Differentiating in technology

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

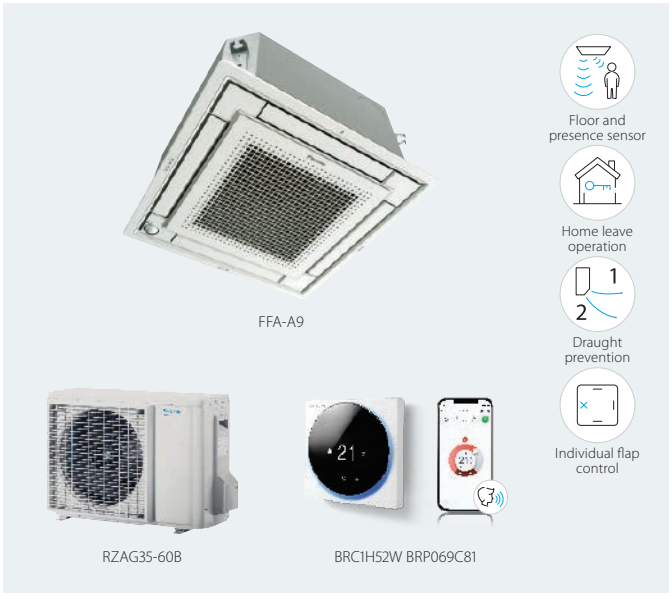
Fully flat cassette animation:

SkyAir Alpha-series BLUEVOLUTION

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



FFA-A9 RZAG-B

Efficiency data				FFA + RZAG	35A9 + 35B	50A9 + 50B	60A9 + 60B
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+++ -> D)		A+ (A+++ -> D)
	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+++ -> D)	A+ (A+++ -> D)	
	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	35B	50B	60B
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

FFA-A9

RXMA25-35A9

BRC1H52W BRP069C81

Floor and presence sensor

Home leave operation

Draught prevention

Individual flap control

FFA-A9 RXM-A RXM-A8 RXM-A9

Efficiency data				FFA + RXM	25A9 + 25A9	35A9 + 35A9	50A9 + 50A8	60A9 + 60A
Cooling capacity	Nom.			kW	2.50	3.40	5.00	5.70
Heating capacity	Nom.			kW	3.20	4.20	5.80	7.00
Power input	Cooling		Nom.	kW	0.55	0.89	1.54	1.86
	Heating		Nom.	kW	0.82	1.20	1.66	2.05
Space cooling	Energy efficiency class				A++ (A+++ -> D)		A+ (A+++ -> D)	
	Capacity		Pdesign	kW	2.50	3.40	5.00	5.70
	SEER				6.32	6.47	5.90	5.76
	Annual energy consumption			kWh/a	138	184	297	346
Space heating (Average climate)	Energy efficiency class				A+ (A+++ -> D)		A (A+++ -> D)	A+ (A+++ -> D)
	Capacity		Pdesign	kW	2.31	3.10	3.84	3.96
	SCOP/A				4.29	4.19	3.86	4.04
	Annual energy consumption			kWh/a	754	1,035	1,393	1,373

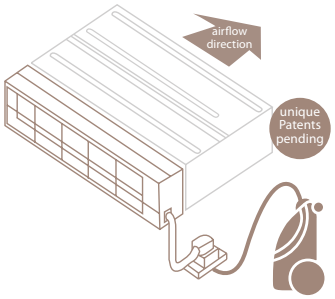
Indoor unit				FFA	25A9	35A9	50A9	60A9
Dimensions	Unit	HeightxWidthxDepth		mm	260x575x575			
Weight	Unit			kg	16.0		17.5	
Air filter	Type				Resin net			
Decoration panel	Model				BYFQ60C2W1W / BYFQ60C2W1S / BYFQ60B2W1 / BYFQ60B3W1			
	Colour				White (N9.5)/SILVER/White (RAL9010)/WHITE (RAL9010)			
	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			

					NEW	NEW	NEW	NEW
Outdoor unit				RXM	25A9	35A9	50A8	60A
Dimensions	Unit	HeightxWidthxDepth		mm	610x923x367			734x954x401
Weight	Unit			kg	36		40	49.0
Sound pressure level	Cooling	Nom.		dBA	46.0	47.0	48.0	
	Heating	Nom.		dBA	47.0	49.0		
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~46			
	Heating	Ambient	Min.~Max.	°CWB	-15~18			
Refrigerant	Type				R-32			
	GWP				675		675.0	
	Charge			kg/TCO2Eq	0.95/0.65			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	13			16

Contains fluorinated greenhouse gases

Auto cleaning filter for concealed ceiling units

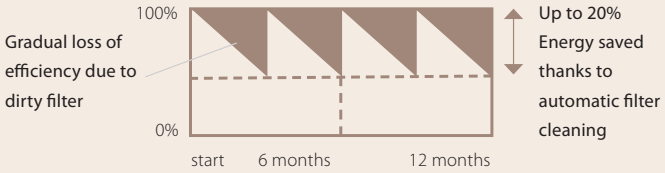
The unique automatic cleaning filter achieves higher efficiency and comfort with lower maintenance costs



Reduce running costs

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

Efficiency profile change for duct indoor unit during operation



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

Holiday Inn Express case study video:

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			●	●							●

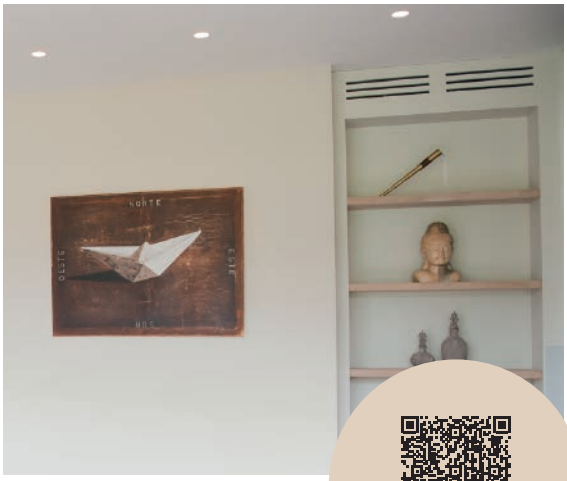
Specifications

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

Multi zoning kit

for concealed ceiling units

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.



Easy selection via our NEW software!

Benefits

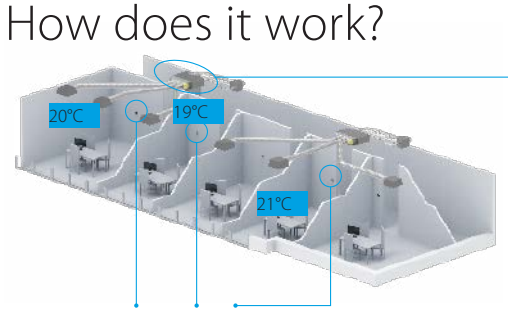
Increased comfort

- 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)	Sky Air FDXM-F9 25	35	50	60	FBA-A(9) 35	50	60	71	100	125	140	ADEA-A 71	100	125	VRV IV+ FXDQ-A3 15	20	25	32	40	50	63	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 <?>

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

FDXM-F9 RZAG-B

Efficiency data				FDXM + RZAG	35F9 + 35B	50F9 + 50B	60F9 + 60B
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+ (A+++ -> D)		
	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 (A+++ -> D)		
	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	35B	50B	60B
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.

with auto cleaning and multi zoning option

FDXM-F9 RXM-A RXM-A8 RXM-A9

Efficiency data				FDXM + RXM	25F9 + 25A9	35F9 + 35A9	50F9 + 50A8	60F9 + 60A
Cooling capacity	Nom.			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	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+++ -> D)	A (A+++ -> D)	A+ (A+++ -> D)	A (A+++ -> D)
	Capacity	Pdesign		kW	2.40	3.40	5.00	6.00
	SEER				5.79	5.35	5.70	5.56
	Annual energy consumption			kWh/a	145	222	307	378
Space heating (Average climate)	Energy efficiency class				A+ (A+++ -> D)	A (A+++ -> D)	A (A+++ -> D)	
	Capacity	Pdesign		kW	2.60	2.90	4.00	4.60
	SCOP/A				4.29	3.95	3.89	3.80
	Annual energy consumption			kWh/a	848	1,028	1,440	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	

Outdoor unit				RXM	NEW 25A9	NEW 35A9	NEW 50A8	NEW 60A
Dimensions	Unit	HeightxWidthxDepth		mm	610x923x367			734x954x401
Weight	Unit			kg	36		40	49.0
Sound pressure level	Cooling	Nom.		dBA	46.0	47.0	48.0	
	Heating	Nom.		dBA	47.0	49.0		
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~46			
	Heating	Ambient	Min.~Max.	°CWB	-15~18			
Refrigerant	Type				R-32			
	GWP				675		675.0	
	Charge			kg/TCO2Eq	0.95/0.65			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	13			16

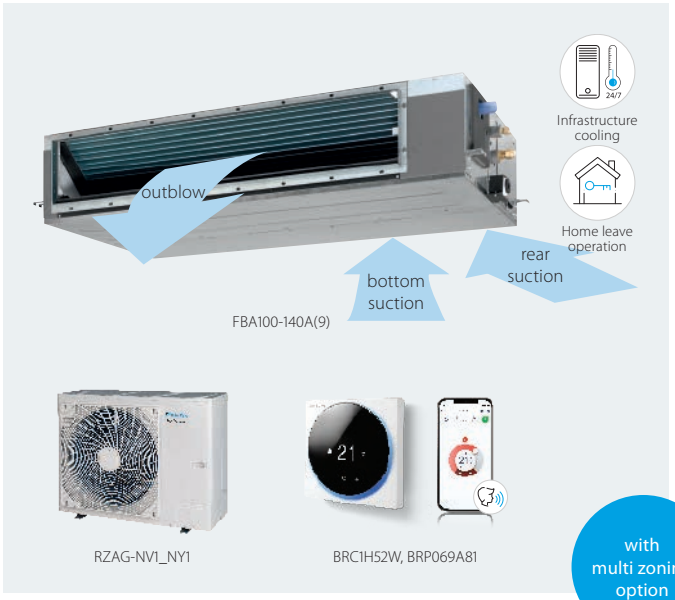
Contains fluorinated greenhouse gases

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



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

Efficiency data				FBA + RZAG	35A9+35B	50A9+50B	60A9+60B	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/-
Space cooling	Energy efficiency class				A++ (A+++ -> D)					-		A++ (A+++ -> D)		-	
	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+++ -> D)					-		A+ (A+++ -> D)		-	
	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/High		dBA	29.0/35.0		25.0/30.0		30.0/34.0	32.0/37.0		25.0/30.0	30.0/34.0	32.0/37.0	
	Heating	Low/High		dBA	29.0/37.0		25.0/31.0		30.0/36.0	32.0/38.0		25.0/31.0	30.0/36.0	32.0/38.0	
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										
Piping connections	Drain				VP20 (I.D. 20/O.D. 26)										
Drain-up height				mm	625										

Outdoor unit				RZAG	35B	50B	60B	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							
	Level difference	IU - OU	Max.	m	30.0			30							
	Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 30m)			See installation manual							
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			

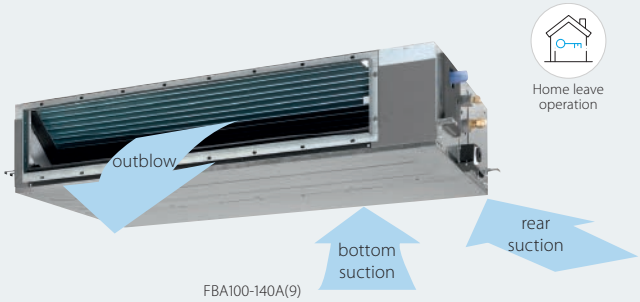
Contains fluorinated greenhouse gases

SkyAir 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)

RZASG100-140MV(1)/MY(1)

BRC1H52W BRP069C81

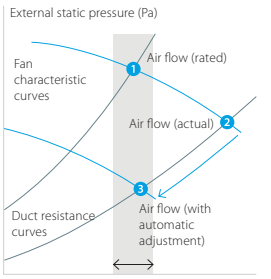
with multi zoning option

Automatic Airflow Adjustment function

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

Why?

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



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

Efficiency data				FBA + RZASG	71A9 + 71MV1	100A + 100MV(1)	125A + 125MV(1)	140A + 140MV(1)	100A + 100MY(1)	125A + 125MY(1)	140A + 140MY(1)
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+++ -> D)	A+ (A+++ -> D)	-		A+ (A+++ -> D)	-	
	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+++ -> D)	A (A+++ -> D)	-		A+ (A+++ -> D)	-	
	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	245x1,000x800	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	20.0/24.5/29.0	23.5/29.0/34.0		20.0/24.5/29.0	23.5/29.0/34.0	
		Heating	Low/Medium/High	m³/min	12.5/15.0/18.0	20.0/24.5/29.0	23.5/29.0/34.0		20.0/24.5/29.0	23.5/29.0/34.0	
	External static pressure	Nom.		Pa	30	40	50		40	50	
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	100MV(1)	125MV(1)	140MV(1)	100MY(1)	125MY(1)	140MY(1)
Dimensions	Unit	HeightxWidthxDepth		mm	770x900x320	990x940x320					
Weight	Unit			kg	60	70 (MY1) / 72 (MY)		78 (MV1) / 79 (MV)	70 (MY1) / 72 (MY)		78 (MV1) / 79 (MV)
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		

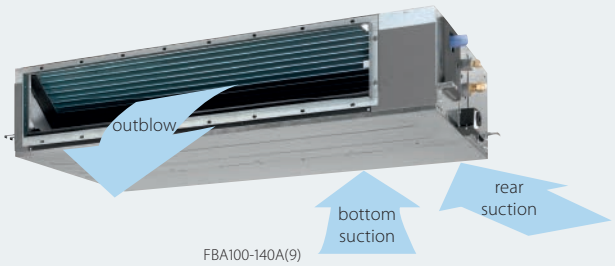
Contains fluorinated greenhouse gases

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



FBA100-140A(9)


AZAS100-140MV_MY


BRC1H52W BRP069C81

with multi zoning option

FBA-A(9) ARXM-A AZAS-MV AZAS-MY

Efficiency data				FBA + ARXM/AZAS	71A9 + ARXM71A	100A + AZAS100MV	125A + AZAS125MV	140A + AZAS140MV	100A + AZAS100MY	125A + AZAS125MY	140A + AZAS140MY
Cooling capacity	Nom./Max.			kW	6.80/6.98	9.50/-	12.1/-	13.4/-	9.50/-	12.1/-	13.4/-
Heating capacity	Nom./Max.			kW	7.50/7.66	10.8/-	13.5/-	15.5/-	10.8/-	13.5/-	15.5/-
Space cooling	Energy efficiency class				A (A+++ -> D)		-		A (A+++ -> D)	-	
	Capacity		Pdesign	kW	6.80	9.50	12.1	13.0	9.50	12.1	13.0
	SEER				5.57	5.7	5.2	5.7	5.7	5.2	5.7
	ηs,c			%	-		205	225	-	205	225
	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+++ -> D)		-		A (A+++ -> D)	-	
	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				Resin net						
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min	12.5/15.0/18.0	20.0/24.5/29.0	23.5/29.0/34.0		20.0/24.5/29.0	23.5/29.0/34.0	
		Heating	Low/Medium/High	m^3/min	12.5/15.0/18.0	20.0/24.5/29.0	23.5/29.0/34.0		20.0/24.5/29.0	23.5/29.0/34.0	
	External static pressure	Nom.		Pa	30	40	50		40	50	
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						

					NEW	NEW	NEW	NEW	NEW	NEW	NEW
Outdoor unit				ARXM/AZAS	ARXM71A	AZAS100MV	AZAS125MV	AZAS140MV	AZAS100MY	AZAS125MY	AZAS140MY
Dimensions	Unit	HeightxWidthxDepth		mm	734x954x401	990x940x320					
Weight	Unit			kg	49.0	72		79	72		79
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	-10~46						
	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	16	25	32		16		

Contains fluorinated greenhouse gases

Concealed ceiling unit with medium ESP

Slimmest yet most powerful medium static pressure unit on the market

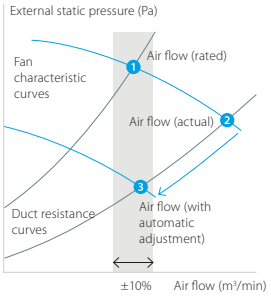
- Combination with split outdoor units is ideal for small retail, offices and residential applications
- Slimmest unit in class, only 245mm (300mm built-in height) and therefore narrow ceiling voids are no longer a challenge
- Low operation sound level down to 25dBA
- Medium external static pressure 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

Automatic Airflow Adjustment function

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

Why?

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



FBA-A(9) RXM-A RXM-A8 RXM-A9

Efficiency data				FBA + RXM	35A9 + 35A9	50A9 + 50A8	60A9 + 60A
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+++ -> D)		A+ (A+++ -> D)
	Capacity		Pdesign	kW	3.40	5.00	5.70
	SEER				6.30	6.10	5.91
	Annual energy consumption			kWh/a	189	287	336
Space heating (Average climate)	Energy efficiency class				A+ (A+++ -> D)		
	Capacity		Pdesign	kW	2.90	4.40	4.60
	SCOP/A				4.17	4.02	4.01
	Annual energy consumption			kWh/a	973	1,532	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.		Pa	30		
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		

					NEW	NEW	NEW
Outdoor unit				**RXM**	**35A9**	**50A8**	**60A**
Dimensions	Unit	HeightxWidthxDepth		mm	610x923x367		734x954x401
Weight	Unit			kg	36	40	49.0
Sound pressure level	Cooling	Nom.		dBA	47.0	48.0	
	Heating	Nom.		dBA	49.0		
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~46		
	Heating	Ambient	Min.~Max.	°CWB	-15~18		
Refrigerant	Type				R-32		
	GWP				675	675.0	
	Charge			kg/TCO2Eq	0.95/0.65		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	13		16

Contains fluorinated greenhouse gases

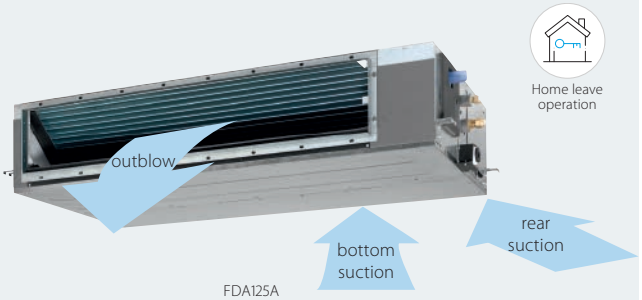
SkyAir Alpha-series

SkyAir Advance-series BLUEVOLUTION

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

RZASG100-140MV(1)/MY(1)

BRC1H52W, BRP069A81

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

					Sky Air Alpha-series		Sky Air Advance-series	
Efficiency data					**FDA125A+RZAG125NV1**	**FDA125A+RZAG125NY1**	**FDA125A+RZASG125MV(1)**	**FDA125A+RZASG125MY(1)**
Cooling capacity	Nom.			kW	12.1			
Heating capacity	Nom.			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				Resin net				
Decoration panel	Model				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/High		dBA	33/40				
	Heating	Low/High		dBA	33/40				
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				
Piping connections	Drain				VP25 (I.D. 25/O.D. 32)				

Outdoor unit					**RZAG125NV1**	**RZAG125NY1**	**RZASG125MV(1)**	**RZASG125MY(1)**
Dimensions	Unit	HeightxWidthxDepth		mm	870x1,100x460		990x940x320	
Weight	Unit			kg	95	94	70 (MV1/MY1)/72 (MV/MY)	
Sound power level	Cooling			dBA	69		71	
	Heating			dBA	68		-	
Sound pressure level	Cooling	Nom.		dBA	49		54	
	Heating	Nom.		dBA	52		58	
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		R-32/675	
	Charge			kg/TCO2Eq	3.70/2.50		2.60/1.76	
Piping connections	Liquid/Gas	OD		mm	9.52/15.9		9.52/15.9	
	Piping length	OU - IU	Max.	m	85		50	
		System	Equivalent	m	100		70	
			Chargeless	m	40		30	
	Level difference	IU - OU	Max.	m	30		30.0	
	Additional refrigerant charge			kg/m	See installation manual		See installation manual	
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

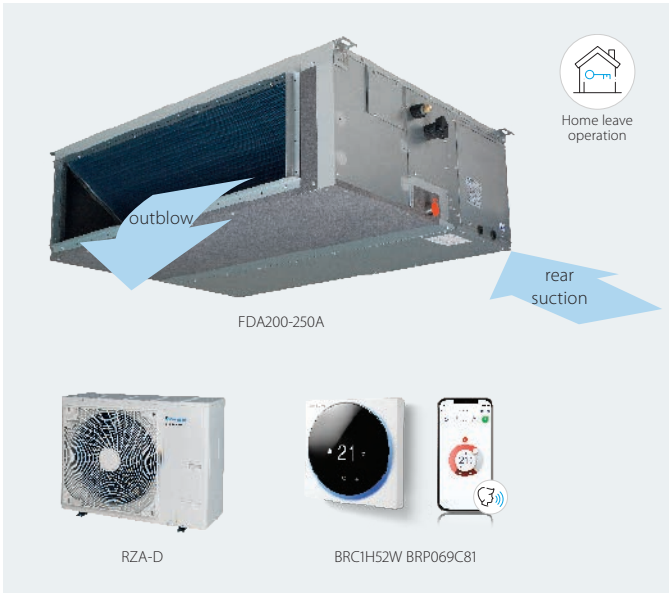
Contains fluorinated greenhouse gases

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



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	

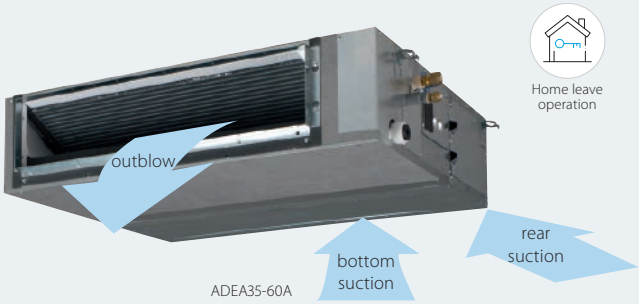
Contains fluorinated greenhouse gases

SkyAir Active-series
BLUEVOLUTION

Concealed ceiling unit

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


AZAS100-140MV_MY


BRC1E53A/B/C


BRP069C81

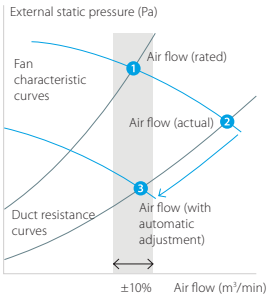
with multi zoning option

Automatic Airflow Adjustment function

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

Why?

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



ADEA-A ARXM-A AZAS-MV

Efficiency data				ADEA + ARXM/AZAS	71A + ARXM71A	100A + AZAS100MV	125A + AZAS125MV
Cooling capacity	Nom.			kW	6.80/6.98	9.50	12.10
Heating capacity	Nom.			kW	7.50/7.66	10.80	13.50
Space cooling	Energy efficiency class				A (A+++ -> D)	A (A+++ -> D)	-
	Capacity		Pdesign	kW	6.80	9.50	12.10
	SEER				5.35	5.13	4.73
	ηs,c			%	445	-	186
	Annual energy consumption			kWh/a	A (A+++ -> D)	648	1,534
Space heating (Average climate)	Energy efficiency class				6.00	A (A+++ -> D)	-
	Capacity		Pdesign	kW	3.80	6.00	
	SCOP/A				2,209	3.81	3.50
	ηs,h			%		-	137
	Annual energy consumption			kWh/a		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	m³/min	12.5/15.0/18.0	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
	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				ARXM/AZAS	NEW ARXM71A	NEW AZAS100MV	NEW AZAS125MV
Dimensions	Unit	HeightxWidthxDepth		mm	734x954x401	990x940x320	
Weight	Unit			kg	49.0	72	
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 ~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	
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		
Current - 50Hz	Maximum fuse amps (MFA)			A	16	25	32

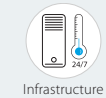
Contains fluorinated greenhouse gases

Wall mounted unit

For rooms with no false ceilings nor free floor space

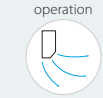
- Combination with Sky Air Alpha-series ensures best in class quality, highest efficiency and performance
- Flat, stylish front panel blends easily within any interior décor and is easier to clean
- Can easily be installed in both new and refurbishment projects
- The air is comfortably spread up- and 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



Infrastructure cooling

Home leave operation



Vertical auto swing

RZAG-NV1_NY1

BRC1H52W, BRP069C81

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++ (A+++ -> D)			
	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+ (A+++ -> D)			
	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

SkyAir Advance-series
BLUEVOLUTION

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

FAA71B

RZASG100-140MV(1)/MY(1)

BRC1H52W, BRP069C81

FAA-B | RZASG-MV1 | RZASG-MY1 | RZASG-MV | RZASG-MY

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

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				RZASG	71MV1	100MV(1)	100MY(1)
Dimensions	Unit	HeightxWidthxDepth		mm	770x900x320	990x940x320	
Weight	Unit			kg	60	70 (MV1/MY1)/72 (MV/MY)	
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

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

AZAS100-140MV_MY

BRC1H52W, BRP069C81

FAA-B ARXM-A AZAS-MV AZAS-MY

Efficiency data					FAA + ARXM/AZAS	71B + ARXM71A	100B + AZAS100MV	100B + AZAS100MY
Cooling capacity	Nom./Max.			kW		6.80/6.95	9.50 /-	
Heating capacity	Nom./Max.			kW		7.50/7.59	10.8 /-	
Space cooling	Energy efficiency class					A+ (A+++ -> D)	A (A+++ -> D)	
	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+++ -> D)		
	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	1~/50/220-240	

						NEW	NEW	NEW
Outdoor unit					**ARXM/AZAS**	**ARXM71A**	**AZAS100MV**	**AZAS100MY**
Dimensions	Unit	HeightxWidthxDepth		mm		734x954x401	990x940x320	
Weight	Unit			kg		49.0	72	
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		-10~46		
	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	
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		16	25	16

Contains fluorinated greenhouse gases

NEW FTXM-A + RZAG-B

perfera

SkyAir 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

NEW
- Comfort+: perfect comfort with homogeneous temperature throughout the room. The double flaps direct the air towards the ceiling in cooling and along the wall in 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)

NEW
- Heat boost quickly heats up your home when starting up your air conditioner. Set temperature is reached 14% faster than a regular air conditioner (pair only)
- Onecta app: control your indoor from any location with an app, via your local network or internet
- 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-A RZAG-B

Efficiency data				FTXM + RZAG	35A + 35B	50A + 50B	60A + 60B
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++ (A+++ -> D)		
	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+++ -> D)		A+ (A+++ -> D)
	Capacity		Pdesign	kW	2.60	4.50	4.60
	SCOP/A				4.60		4.35
	Annual energy consumption			kWh/a	792	1,369	1,480

Indoor unit				FTXM	35A	50A	60A
Dimensions	Unit	HeightxWidthxDepth		mm	298x804x252		298x997x292
Weight	Unit			kg	11.5		14.5
Air filter	Type				Removable/washable		
Fan	Air flow rate	Cooling	Silent operation/ Low/Medium/High	m^3/min	4.6/7.1/9.4/13.2	5.9/7.8/10.4/12.7	8.6/11.2/13.4/15.6
		Heating	Silent operation/ Low/Medium/High	m^3/min	5.1/6.9/9.4/11.1	6.9/8.6/11.5/14.5	10.5/11.8/14.6/15.9
Sound power level	Cooling			dBA	58.0	60.0	
	Heating			dBA	53.0	60.0	59.0
Sound pressure level	Cooling	Silent operation/Low/ Medium/High		dBA	19.0/29.0/37.0/45.0	27.0/33.0/40.0/46.0	30.0/37.0/42.0/46.0
	Heating	Silent operation/Low/ Medium/High		dBA	20.0/28.0/35.0/39.0	31.0/34.0/41.0/46.0	33.0/36.0/41.0/45.0
Control systems	Infrared remote control				ARC466A86		
	Wired remote control				BRC073A1		

Outdoor unit				RZAG	35B	50B	60B
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

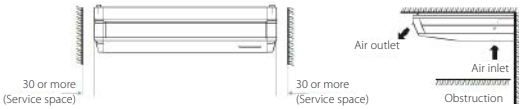
SkyAir Alpha-series BLUEVOLUTION

Ceiling suspended unit

For wide rooms with no false ceilings nor free floor space

- Combining 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

RZAG35-60B

BRC1H52W, BRP069A81

FHA-A(9) RZAG-B RZAG-NV1 RZAG-NY1

Efficiency data				FHA + RZAG	35A9+35B	50A9+50B	60A9+60B	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+++ -> D)					-		A++ (A+++ -> D)		-	
	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+++ -> D)				A++ (A+++ -> D)	-		A+ (A+++ -> D)	A++ (A+++ -> D)	-	
	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	27	32	34	41			34	41		
Air filter	Type				Resinnet										
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	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	m^3/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	53.0	54.0		55.0	60.0	62.0	64.0	55.0	60.0	62.0	64.0
	Heating			dBA	53.0	54.0		55.0	60.0	62.0	64.0	55.0	60.0	62.0	64.0
Sound pressure level	Cooling	Low/High		dBA	31.0/36.0	32.0/37.0	33.0/37.0	34.0/38.0	34.0/42.0	37.0/44.0	38.0/46.0	34.0/38.0	34.0/42.0	37.0/44.0	38.0/46.0
	Heating	Nom./High		dBA	34.0/36.0	35.0/37.0		36.0/38.0	38.0/42.0	41.0/44.0	42.0/46.0	36.0/38.0	38.0/42.0	41.0/44.0	42.0/46.0
Control systems	Infrared remote control				BRC7GA53-9 / BRC7GA56										
	Wired remote control				BRC1D528 / BRC1H51(9)W/S/K7 / BRC1H52W/S/K / BRC1H81W7 / BRC1H81S7 / BRC1E53A/B/C7 / BRC1H82W/S/K										
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220										
Piping connections	Drain				VP20										

Outdoor unit				RZAG	35B	50B	60B	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		10/15.9							
	Piping length	OU - IU	Max.	m	50			55	85			55	85		
		System	Equivalent	m	-			75	100			75	100		
			Chargeless	m	30			40							
	Level difference	IU - OU	Max.	m	30.0			30							
	Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 30m)			See installation manual							
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

SkyAir 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

Home leave operation

Vertical auto swing

FHA60-71A9

RZASG100-140MV(1)/MY(1)

BRC1H52W, BRP069A81

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

Efficiency data				FHA + RZASG	71A9 + 71MV1	100A + 100MV(1)	125A + 125MV(1)	140A + 140MV(1)	100A + 100MY(1)	125A + 125MY(1)	140A + 140MY(1)
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+++ -> D)		-		A+ (A+++ -> D)		-
	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+++ -> D)		-		A (A+++ -> D)		-
	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	41					
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	55.0	60.0	62.0	64.0	60.0	62.0	64.0
	Heating			dBA	55.0	60.0	62.0	64.0	60.0	62.0	64.0
Sound pressure level	Cooling	Low/High		dBA	34.0/38.0	34.0/42.0	37.0/44.0	38.0/46.0	34.0/42.0	37.0/44.0	38.0/46.0
	Heating	Nom./High		dBA	36.0/38.0	38.0/42.0	41.0/44.0	42.0/46.0	38.0/42.0	41.0/44.0	42.0/46.0
Control systems	Infrared remote control				BRC7GA53-9 / BRC7GA56						
	Wired remote control				BRC1H52W/S/K; BRC1E53A; BRC1E53B; BRC1E53C; BRC1D52						
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220						
Piping connections	Drain				VP20						

Outdoor unit				RZASG	71MV1	100MV(1)	125MV(1)	140MV(1)	100MY(1)	125MY(1)	140MY(1)
Dimensions	Unit	HeightxWidthxDepth		mm	770x900x320	990x940x320					
Weight	Unit			kg	60	70 (MY1)/72 (MY)		78 (MV1)/79 (MV)	70 (MY1)/72 (MY)		78 (MV1)/79 (MV)
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						
	Level difference	IU - OU	Max.	m	30.0						
	Additional refrigerant charge			kg/m	See installation manual						
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

Ceiling suspended unit

For wide rooms with no false ceilings nor free floor space

- Ideal solution for small businesses and shops
- 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

Home leave operation

Vertical auto swing

FHA60-71A9

AZAS-MV/MY

BRC1H52W, BRP069A81

FHA-A(9) ARXM-A AZAS-MV AZAS-MY

Efficiency data				FHA + AZAS	71A+ARXM71A	100A + 100MV	125A + 125MV	140A + 140MV	100A + 100MY	125A + 125MY	140A + 140MY
Cooling capacity	Nom.			kW	6.8	9.50	12.1	13.4	9.50	12.1	13.4
Heating capacity	Nom.			kW	7.5	10.8	13.5	15.5	10.8	13.5	15.5
Space cooling	Energy efficiency class				A+ (A+++ -> D)	A (A+++ -> D)	-		A (A+++ -> D)	-	
	Capacity		Pdesign	kW	6.8	9.50	12.1	13.4	9.50	12.1	13.4
	SEER				5.87	5.6					
	ηs,c			%	-	221			-	221	
	Annual energy consumption			kWh/a	406	594	1,297	1,436	594	1,297	1,436
Space heating (Average climate)	Energy efficiency class				A (A+++ -> D)		-		A (A+++ -> D)	-	
	Capacity		Pdesign	kW	4.5	6.00		7.80	6.00		7.80
	SCOP/A				3.8	3.87	3.75	3.81	3.87	3.75	3.81
	ηs,h			%	-	147		149	-	147	149
	Annual energy consumption			kWh/a	1,659	2,171	2,240	2,866	2,171	2,240	2,866

Indoor unit				FHA	71A	100A	125A	140A	100A	125A	140A
Dimensions	Unit	HeightxWidthxDepth	mm	235x1,270x690	235x1,590x690						
Weight	Unit		kg	34	41						
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	55.0	60.0	62.0	64.0	60.0	62.0	64.0	
	Heating		dBA	55.0	60.0	62.0	64.0	60.0	62.0	64.0	
Sound pressure level	Cooling	Low/High	dBA	34.0/38.0	34.0/42.0	37.0/44.0	38.0/46.0	34.0/42.0	37.0/44.0	38.0/46.0	
	Heating	Nom./High	dBA	36.0/38.0	38.0/42.0	41.0/44.0	42.0/46.0	38.0/42.0	41.0/44.0	42.0/46.0	
Control systems	Infrared remote control			BRC7GA53-9 / BRC7GA56							
	Wired remote control			RC1H52W/S/K; BRC1E53A; BRC1E53B; BRC1E53C; BRC1D52							
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/60/220-240/220							
Piping connections	Drain			VP20							

					NEW	NEW	NEW	NEW	NEW	NEW	NEW
Outdoor Unit					ARXM71A	AZAS100MV	AZAS125MV	AZAS140MV	AZAS100MY	AZAS125MY	AZAS140MY
Dimensions	Unit	HeightxWidthxDepth		mm	734x954x401	990x940x320					
Weight	Unit			kg	49.0	72		79	72		79
Sound power level	Cooling			dBA	-	70	71	72	70	71	72
	Heating			dBA	-	70	71	72	70	71	72
Sound pressure level	Cooling	Nom.		dBA	52.0	53	54	55	53	54	55
	Heating	Nom.		dBA	52.0	57	58	59	57	58	59
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~46						
	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	16	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

FHA-A(9) RXM-A RXM-A8 RXM-A9

Efficiency data				FHA + RXM	35A9 + 35A9	50A9 + 50A8	60A9 + 60A
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+++ -> D)	A+ (A+++ -> D)	
	Capacity		Pdesign	kW	3.40	5.00	5.70
	SEER				6.31	5.84	6.08
	Annual energy consumption			kWh/a	189	300	328
Space heating (Average climate)	Energy efficiency class				A+ (A+++ -> D)	A (A+++ -> D)	
	Capacity		Pdesign	kW	3.10	4.35	4.71
	SCOP/A				4.48	3.82	3.87
	Annual energy consumption			kWh/a	968	1,594	1,704

Indoor unit				FHA	35A9	50A9	60A9
Dimensions	Unit	HeightxWidthxDepth		mm	235x960x690	235x960x690	235x1,270x690
Weight	Unit			kg	26	27	32
Air filter	Type				Resin net	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	53.0	54.0	
	Heating			dBA	53.0	54.0	
Sound pressure level	Cooling	Low/Medium/High		dBA	31.0/34.0/36.0	32.0/35.0/37.0	33.0/35.0/37.0
	Heating	Medium/Nom./High		dBA	31.0/34.0/36.0	32.0/35.0/37.0	33.0/35.0/37.0
Control systems	Infrared remote control				BRC7GA53-9 / BRC7GA56		
	Wired remote control				BRC1H52W/S/K / BRC1E53A/B/C / BRC1D52		
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220		

Outdoor unit				RXM	NEW 35A9	NEW 50A8	NEW 60A
Dimensions	Unit	HeightxWidthxDepth		mm	610x923x367		734x954x401
Weight	Unit			kg	36	40	49.0
Sound pressure level	Cooling	Nom.		dBA	47.0	48.0	
	Heating	Nom.		dBA	49.0		
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~46		
	Heating	Ambient	Min.~Max.	°CWB	-15~18		
Refrigerant	Type				R-32		
	GWP				675	675.0	
	Charge			kg/TCO2Eq	0.95/0.65		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	13		16

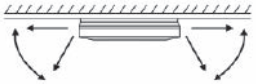
Contains fluorinated greenhouse gases

SkyAir Alpha-series BLUEVOLUTION

4-way blow ceiling suspended unit

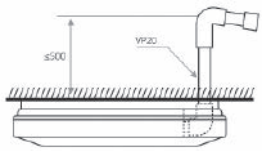
Unique Daikin unit for high rooms with no false ceilings nor free floor space

- Combining 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



- 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



FUA-A RZAG-NV1 RZAG-NY1

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+++ -> D)		-	A++ (A+++ -> D)		-
	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+++ -> D)		-	A+ (A+++ -> D)		-
	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				Resinnet						
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	59	64	65	59	64	65	
Sound pressure level	Cooling	Low/High		dBA	35/41	39/46	40/47	35/41	39/46	40/47	
	Heating	Low/High		dBA	35/41	39/46	40/47	35/41	39/46	40/47	
Control systems	Wired remote control				BRC1H52W/S/K / BRC1E53A/B/C / BRC1D52						
Piping connections	Drain				VP25 (OD Ø32.0)						

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						
	Level difference	IU - OU	Max.	m	30						
	Additional refrigerant charge			kg/m	See installation manual						
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

SkyAir 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

FUA-A

Home leave operation

Draught prevention

Individual flap control

Vertical auto swing

RZASG100-140MV(1)/MY(1)

BRC1H52W, BRP069A81

FUA-A | RZASG-MV1 | RZASG-MY1 | RZASG-MV | RZASG-MY

Efficiency data				FUA + RZASG	71A + 71MV1	100A + 100MV(1)	125A + 125MV(1)	100A + 100MY(1)	125A + 125MY(1)
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+++ -> D)	A+ (A+++ -> D)	-	A+ (A+++ -> D)	-
	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+++ -> D)	A+ (A+++ -> D)	-	A+ (A+++ -> D)	-
	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				Resinnet				
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	59	64	65	64	65
Sound pressure level	Cooling	Low/High		dBA	35/41	39/46	40/47	39/46	40/47
	Heating	Low/High		dBA	35/41	39/46	40/47	39/46	40/47
Control systems	Wired remote control				BRC1H52W/S/K; BRC1E53A; BRC1E53B; BRC1E53C; BRC1D52				
Piping connections	Drain				VP25 (OD Ø32.0)				

Outdoor unit				RZASG	71MV1	100MV(1)	125MV(1)	100MY(1)	125MY(1)
Dimensions	Unit	HeightxWidthxDepth		mm	770x900x320	990x940x320			
Weight	Unit			kg	60	70 (MV1/MY1)/72 (MV/MY)			
Sound power level	Cooling			dBA	65	69	71	69	71
	Heating			dBA	-	-			
Sound pressure level	Cooling	Nom.		dBA	46	53	54	53	54
	Heating	Nom.		dBA	47	57	58	57	58
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-15 ~46	-15~46	-15~46	-15~46	-15~46
	Heating	Ambient	Min.~Max.	°CWB	-15 ~15.5	-15~15.5	-15~15.5	-15~15.5	-15~15.5
Refrigerant	Type/GWP				R-32/675	R-32/675	R-32/675	R-32/675	R-32/675
	Charge			kg/TCO2Eq	2.45/1.65	2.60/1.76			
Piping connections	Liquid/ Gas	OD		mm	9.52/15.9	9.52/15.9			
	Piping length	OU - IU	Max.	m	50	50			
		System	Equivalent	m	70	70			
			Chargeless	m	30	30			
	Level difference	IU - OU	Max.	m	30.0	30.0			
	Additional refrigerant charge			kg/m	See installation manual	See installation manual			
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	20	25	32	16	

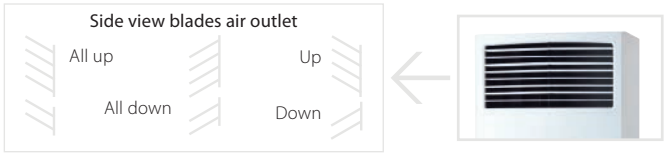
Contains fluorinated greenhouse gases

SkyAir Alpha-series BLUEVOLUTION

Floor standing unit

For commercial spaces with high ceilings

- Combining 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*)



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+++ -> D)		-		A++ (A+++ -> D)		-	
	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+++ -> D)		-		A+ (A+++ -> D)		-	
	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				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	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/High		dBA	38/43	44/50	46/51	48/53	38/43	44/50	46/51	48/53
	Heating	Nom./High		dBA	41/43	47/50	48/51	51/53	41/43	47/50	48/51	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							
Piping connections	Drain				I.D. 20/O.D. 26							

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							
	Level difference	IU - OU	Max.	m	30							
	Additional refrigerant charge			kg/m	See installation manual							
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			

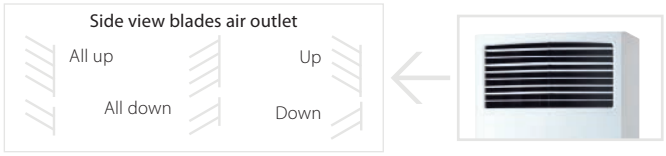
Contains fluorinated greenhouse gases

SkyAir 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*)



FVA-A | RZASG-MV1 | RZASG-MY1 | RZASG-MV | RZASG-MY

Efficiency data				FVA + RZASG	71A + 71MV1	100A + 100MV(1)	125A + 125MV(1)	140A + 140MV(1)	100A + 100MY(1)	125A + 125MY(1)	140A + 140MY(1)
Cooling capacity	Min./Nom./Max.			kW	6.80	9.50	12.1	13.4	9.50	12.1	13.4
Heating capacity	Min./Nom./Max.			kW	7.50	10.8	13.5	15.5	10.8	13.5	15.5
Space cooling	Energy efficiency class				A+ (A+++ -> D)	A+ (A+++ -> D)	-		A+ (A+++ -> D)	-	
	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+++ -> D)	A (A+++ -> D)	-		A (A+++ -> D)	-	
	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				Resinnet						
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	100MV(1)	125MV(1)	140MV(1)	100MY(1)	125MY(1)	140MY(1)
Dimensions	Unit	HeightxWidthxDepth		mm	770x900x320	990x940x320					
Weight	Unit			kg	60	70 (MY1)/72 (MY)		78 (MV1)/79 (MV)	70 (MY1)/72 (MY)		78 (MV1)/79 (MV)
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

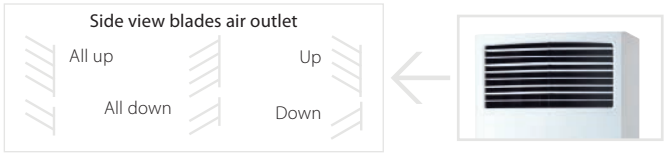
NEW FVA-A + AZAS-MV/MY

SkyAir Active-series BLUEVOLUTION

Floor standing unit

For commercial spaces with high ceilings

- Ideal solution for small businesses and shops
- 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*)



FVA-A AZAS-MV AZAS-MY

Efficiency data				FVA + AZAS	100A + 100MV	125A + 125MV	140A + 140MV	100A + 100NY	125A + 125NY	140A + 140NY
Cooling capacity	Nom.			kW	9.50	12.1	13.4	9.50	12.1	13.4
Heating capacity	Nom.			kW	10.8	13.5	15.5	10.8	13.5	15.5
Space cooling	Energy efficiency class				A (A+++ -> D)	-		A (A+++ -> D)	-	
	Capacity		Pdesign	kW	9.50	12.1	13.4	9.50	12.1	13.4
	SEER				5.5	5.3	5.4	5.5	5.3	5.4
	ηs,c			%	-	209	213	-	209	213
	Annual energy consumption			kWh/a	605	1,370	1,489	605	1,370	1,489
Space heating (Average climate)	Energy efficiency class				A (A+++ -> D)	-		A (A+++ -> D)	-	
	Capacity		Pdesign	kW	6.00		7.80	6.00		7.80
	SCOP/A				3.79	3.56	3.81	3.79	3.56	3.81
	ηs,h			%	-	139	149	-	139	149
	Annual energy consumption			kWh/a	2,217	2,360	2,866	2,217	2,360	2,866

Indoor unit				FVA	100A	125A	140A	100A	125A	140A
Dimensions	Unit	HeightxWidthxDepth		mm	1,850x600x350			1,850x600x350		
Weight	Unit			kg	50			50		
Air filter	Type				Resin net					
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min	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	22/25/28	24/26/28	26/28/30	22/25/28	24/26/28	26/28/30
Sound power level	Cooling			dBA	62	63	65	62	63	65
Sound pressure level	Cooling	Low/High		dBA	44/50	46/51	48/53	44/50	46/51	48/53
	Heating	Nom./High		dBA	47/50	48/51	51/53	47/50	48/51	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					
Piping connections	Drain				I.D. 20/O.D. 26					

Outdoor Unit				AZAS	100MV	125MV	140MV	100MY	125MY	140MY
Dimensions	Unit	HeightxWidthxDepth		mm	990x940x320					
Weight	Unit			kg	72		79	72		79
Sound power level	Cooling			dBA	70	71	72	70	71	72
	Heating			dBA	70	71	72	70	71	72
Sound pressure level	Cooling	Nom.		dBA	53	54	55	53	54	55
	Heating	Nom.		dBA	57	58	59	57	58	59
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~46					
	Heating	Ambient	Min.~Max.	°CWB	-15~15.5					
Refrigerant	Type/GWP				R-32/675					
	Charge			kg/TCO2Eq	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	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	25	32		16		

Contains fluorinated greenhouse gases

SkyAir 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

Home leave operation

RZAG35-60B

BRC1H52W BRP069C81

FNA-A9 RZAG-B

Efficiency data				FNA + RZAG	35A9 + 35B	50A9 + 50B	60A9 + 60B
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+ (A+++ -> D)		
	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 (A+++ -> D)		
	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		

					NEW	NEW	NEW
Outdoor unit				**RZAG**	**35B**	**50B**	**60B**
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

Home leave operation

RXM35A9

BRC1H52W BRP069C81

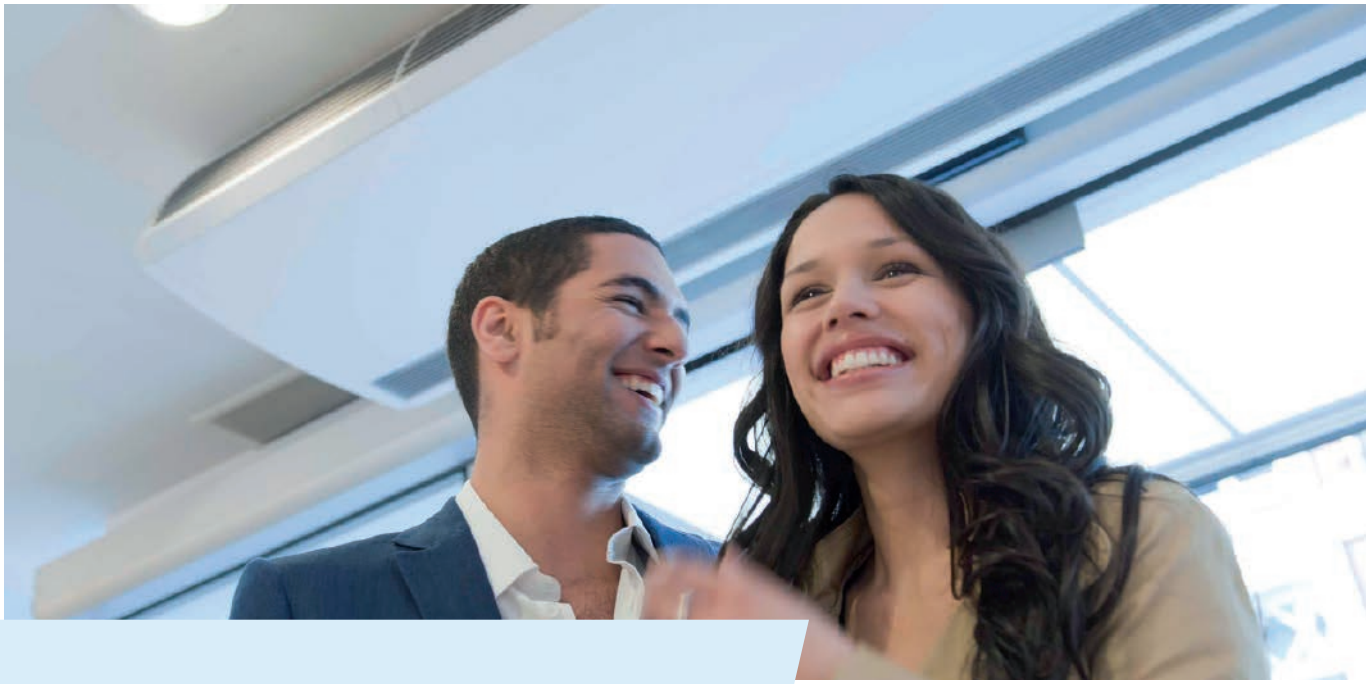
FNA-A9 RXM-A RXM-A8 RXM-A9

Efficiency data				FNA + RXM	25A9 + 25A9	35A9 + 35A9	50A9 + 50A8	60A9 + 60A
Cooling capacity	Nom.			kW	2.60	3.40	5.00	6.00
Heating capacity	Nom.			kW	3.20	4.00	5.80	7.00
Power input	Cooling	Nom.		kW	0.68	1.10	1.48	2.22
	Heating	Nom.		kW	0.80	1.15	1.74	2.25
Space cooling	Energy efficiency class				A+ (A+++ -> D)			A
	Capacity	Pdesign		kW	2.60	3.40	5.00	6.00
	SEER				5.76	5.76	5.70	5.56
	Annual energy consumption			kWh/a	158	207	307	378
Space heating (Average climate)	Energy efficiency class				A+ (A+++ -> D)			
	Capacity	Pdesign		kW	2.80	2.90	4.00	4.60
	SCOP/A				4.29	4.15	4.05	4.16
	Annual energy consumption			kWh/a	913	978	1,383	1,547

Indoor unit				FNA	25A9	35A9	50A9	60A9
Dimensions	Unit	HeightxWidthxDepth		mm	620/720x790x200		620/720x1,190x200	
Weight	Unit			kg	23.0		30.0	
Air filter	Type				Resinnet			
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			

					NEW	NEW	NEW	NEW
Outdoor unit				RXM	25A9	35A9	50A8	60A
Dimensions	Unit	HeightxWidthxDepth		mm	610x923x367			734x954x401
Weight	Unit			kg	36		40	49.0
Sound pressure level	Cooling	Nom.		dBA	46.0	47.0	48.0	
	Heating	Nom.		dBA	47.0	49.0		
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~46			
	Heating	Ambient	Min.~Max.	°CWB	-15~18			
Refrigerant	Type				R-32			
	GWP				675		675.0	
	Charge			kg/TCO2Eq	0.95/0.65			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	13			16

Contains fluorinated greenhouse gases

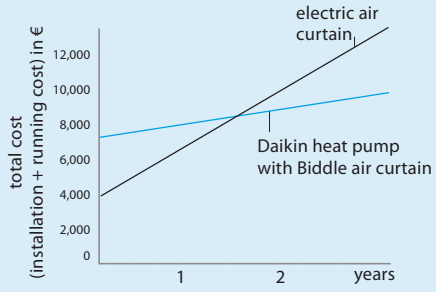


Biddle air curtains

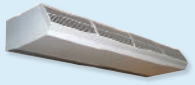
Biddle air curtains provide highly efficient solutions for retailers and consultants to combat the issue of climate separation across their outlet or office doorway.

Benefits of Biddle air curtains

- Connectable to ERQ and VRV units
- Unified range for R-32 and R-410A refrigerant
- Payback period of less then 1.5 years compared to installing an electric air curtain



3 different models to choose from:

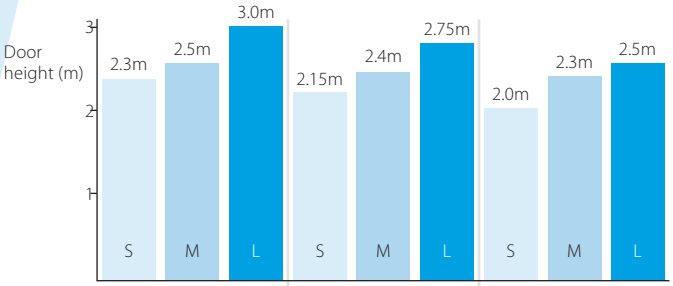


Free-hanging model (F):
easy wall mounted installation

Cassette model (C):
mounted into a false ceiling leaving only the decoration panel visible

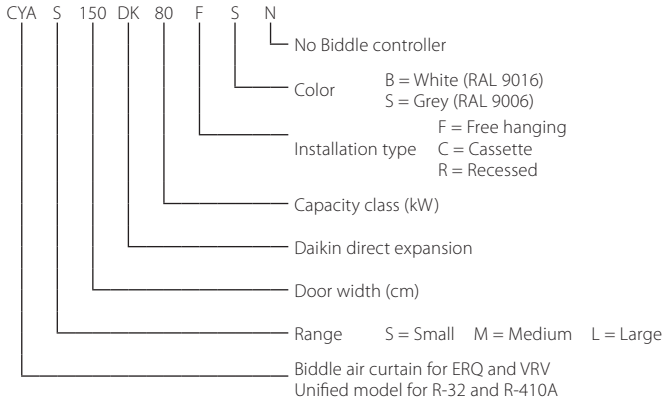
Recessed model (R):
neatly concealed in the ceiling

Select your Biddle air curtain range



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

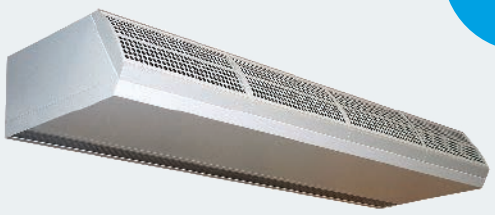
Biddle air curtain nomenclature



New R-32 range

Biddle air curtain

- Connectable to ERQ and VRV DX outdoor units
- Unified model for R-32 and R-410A refrigerant
- 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
- Provides virtually free air curtain heating via recovered heat from indoor units in cooling mode (in case of VRV heat recovery)
- Easy and quick to install at reduced costs since no additional water systems, boilers and gas connections are required



CYA150DK80FSC

CYA150DK80CSC

CYA150DK80RSC

CYA

				Small				Medium			
				CYAS100DK80*	CYAS150DK80*	CYAS200DK100*	CYAS250DK140*	CYAM100DK80*	CYAM150DK80*	CYAM200DK100*	CYAM250DK140*
Heating capacity	Speed 3		kW	6.94	8.6	10.9	15.2	8.65	10.5	12.5	18.6
Power input	Fan only	Nom.	kW	0.14	0.21	0.28	0.36	0.27	0.40	0.53	0.67
	Heating	Nom.	kW	0.14	0.21	0.28	0.36	0.27	0.40	0.53	0.67
Delta T	Speed 3		K	17.7	14.6	13.9	15.5	16	12.9	12.7	13.8
Casing	Colour			B: RAL9016 / S: RAL9006				B: RAL9016 / S: RAL9006			
Dimensions	Unit	Height F/C/R	mm	270/270/270				270/270/270			
		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	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				590/821/561			
Required ceiling void >	mm		mm	420				420			
Door height	Max.		m	2.3				2.5			
Door width	Max.		m	1	1.5	2	2.5	1	1.5	2	2.5
Weight	Unit		kg	56/59/61	66/83/88	83/102/108	107/129/137	57/68/66	73/88/93	94/111/117	108/136/144
Fan		Speed 3	m^3/h	1,164	1,746	2,328	2,910	1,605	2,408	2,910	4,013
Sound pressure level	Heating	Speed 3	dBA	47	49	50	51	50	51	53	54
Refrigerant	GWP			675/2,087.5				675/2,087.5			
	Type			R32/R410A				R32/R410A			
Piping connections	Liquid	OD	mm	6.35		9.52		6.35		9.52	
	Gas	OD	mm	12.7		15.9		12.7		15.9	
Air filter	Type			Vacuum cleanable filter G1							
Power supply	Frequency		Hz	50Hz				50Hz			
	Voltage		V	230V				230V			
	Maximum fuse amps (MFA)		A	16				16			

				Large			
				CYAL100DK125*	CYAL150DK200*	CYAL200DK250*	CYAL250DK250*
Heating capacity	Speed 3		kW	14.4	21.5	27.6	29.7
Power input	Fan only	Nom.	kW	0.48	0.72	0.96	1.20
	Heating	Nom.	kW	0.48	0.72	0.96	1.20
Delta T	Speed 3		K	13.8	13.7	13.2	11.4
Casing	Colour			B: RAL9016 / S: 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		mm	520			
Door height	Max.		m	3			
Door width	Max.		m	1	1.5	2	2.5
Weight	Unit		kg	76/81/83	100/118/141	126/151/155	157/190/196
Fan		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	GWP			675/2,087.5			
	Type			R32/R410A			
Piping connections	Liquid	OD	mm	9,522			
	Gas	OD	mm	15.9	19.1	19.1	
Air filter	Type			Vacuum cleanable filter G1			
Power supply	Frequency		Hz	50Hz			
	Voltage		V	230V			
Current	Maximum fuse amps (MFA)		A	16			

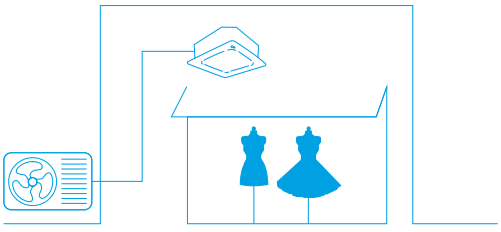
Sky Air Alpha-series - Low height unit

Low sound enclosure for Sky Air
Alpha-series (RZAG-N) and advance-series (RZA-D)

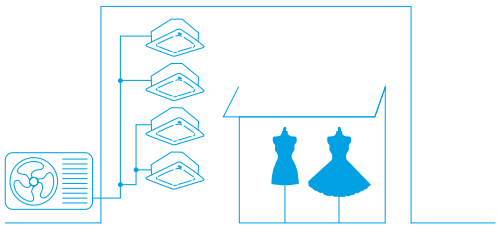
Outdoor units

A range of industry leading technology outdoor units

Pair solution



Twin, triple, double twin solution



Low height. High value.

Products overview outdoor units

Pair, twin, triple & double twin application

BLUEVOLUTION

R-32

SkyAir 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	21.5 kW	23.6 kW
Air cooled	Heat pump	**SkyAir Alpha-series** ▪ 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)	R-32 A+++ A	RZAG-B RZAG-NV1/NY1									
		SkyAir Advance-series ▪ 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	R-32 A+++ A	RZASG-MV(1)/MY(1)									
				RZA-D									
		SkyAir Active-series ▪ 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	R-32 A+++ A	ARXM-A AZAS-MV/MY				NEW	NEW	NEW	NEW		

Benefits overview outdoor units

			Sky Air Alpha-series		Sky Air Advance-series		Sky Air Active-series	
			NEW RZAG-B	RZAG-NV1/NY1	RZASG-MV(1)/MY(1)	RZA-D	AZAS-MV/MY	NEW ARXM-A
								
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+++	A+++	-	A+++	A+++
	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)		○		○		

Technical benefit overview

Sky Air A-series

	Sky Air Alpha-series		Sky Air Advance-series		Sky Air Active-series	
	NEW RZAG-B	RZAG-NV1/NY1	RZASG-MV(1)/MY(1)	RZA-D	AZAS-MV/MY	NEW ARXM-A
Compact single fan casing on the entire range	•	•	•	•	•	•
Maximum piping length	50 m	85 m	50 m	100 m	30 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	○	○	○	○	○	○

• standard, ○ optional

Low sound enclosure EKLN140A

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

– 10 dB(A)!

Sound power level measurement in acoustic chamber

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 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

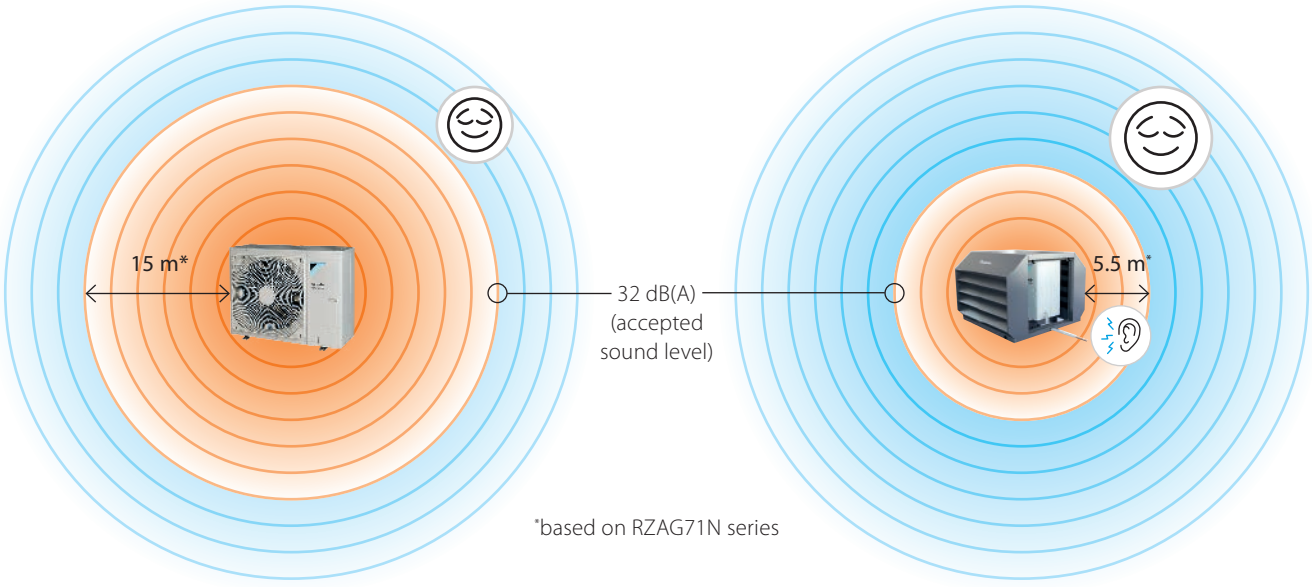
Durable
- 3 years warranty on all components
- Made of stainless steel with robust double layer powder coating, ensuring maximum corrosion resistance

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

Click or scan the code to access all technical information

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

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

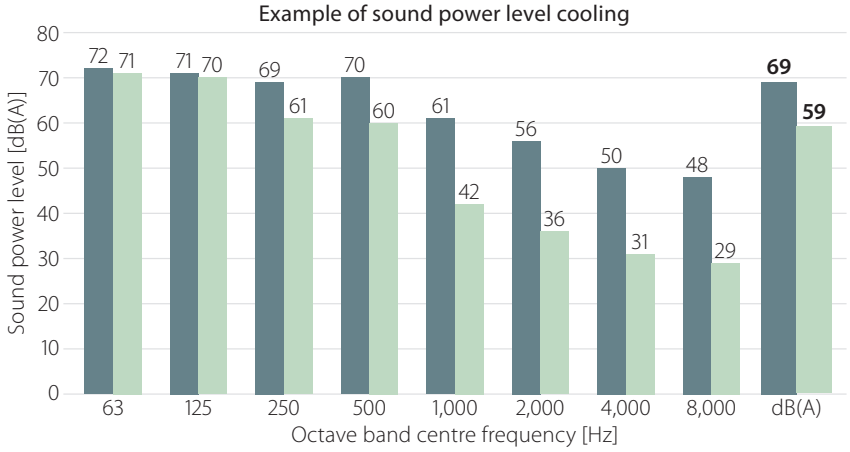
Range & outdoor unit name	Outdoor unit only		With sound enclosure		Outdoor unit only		With sound enclosure		Outdoor unit only		With sound enclosure		Correction factor maximum capacity	
	SEER/$\eta_{s,c}$	SCOP/$\eta_{s,h}$	SEER/$\eta_{s,c}$	SCOP/$\eta_{s,h}$	SEER/$\eta_{s,c}$	SCOP/$\eta_{s,h}$	SEER/$\eta_{s,c}$	SCOP/$\eta_{s,h}$	SEER/$\eta_{s,c}$	SCOP/$\eta_{s,h}$	SEER/$\eta_{s,c}$	SCOP/$\eta_{s,h}$	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·

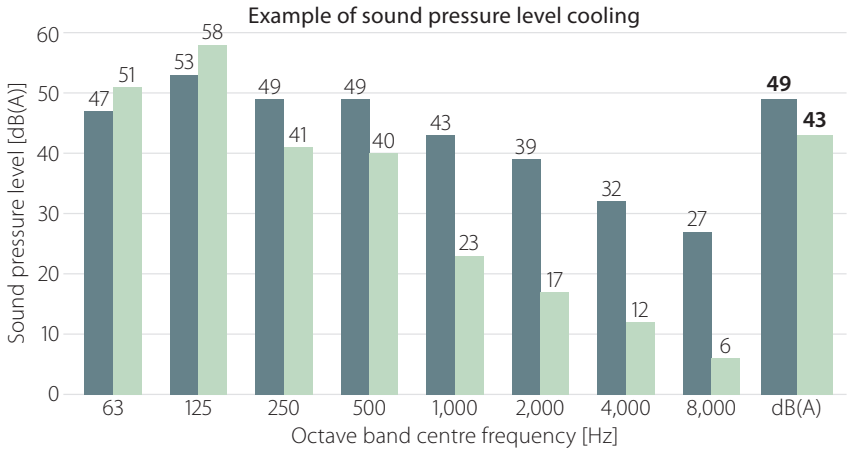
RZAG125N
RZAG125N + EKLN140A



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

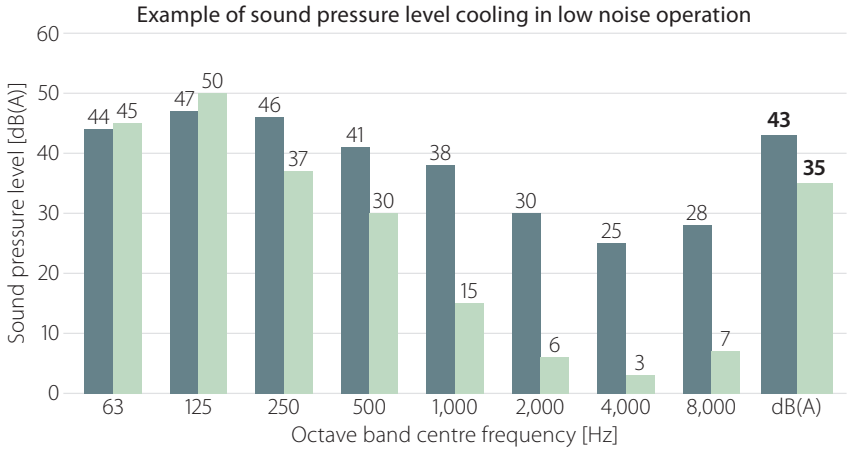
RZAG125N
RZAG125N + EKLN140A



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

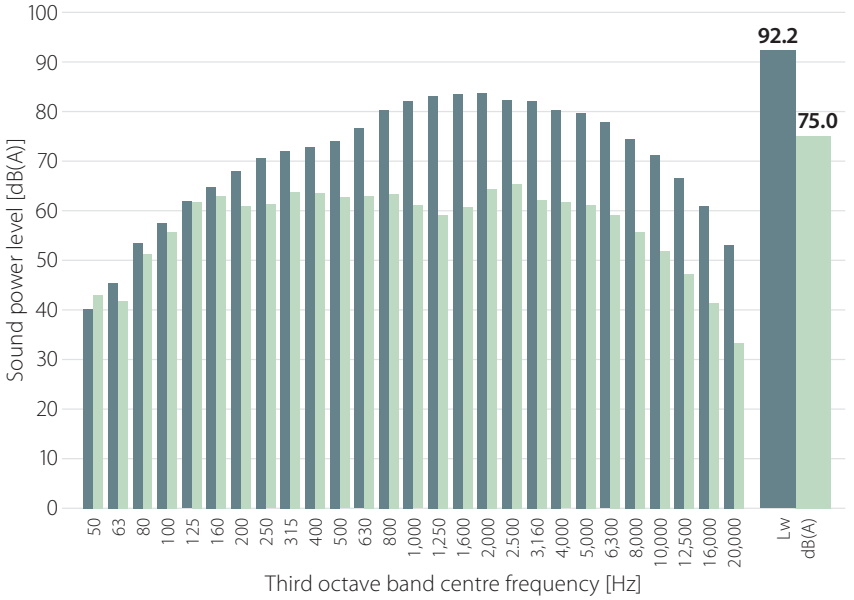
RZAG125N
RZAG125N + EKLN140A

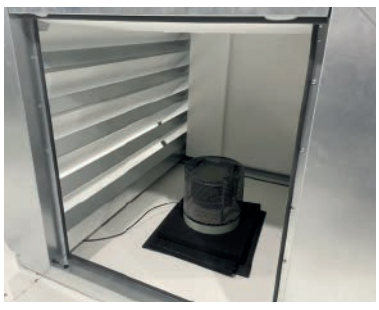


Insertion loss values

- Insertion loss measurement of standalone enclosure with calibrated sound source

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

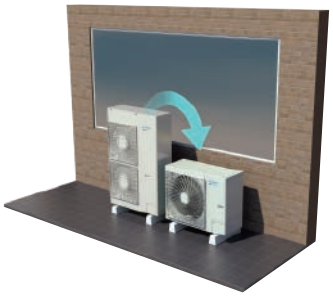




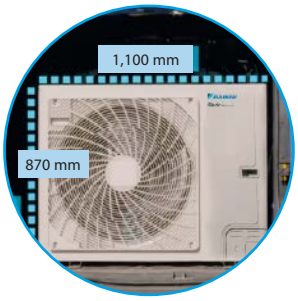
SkyAir Alpha-series

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

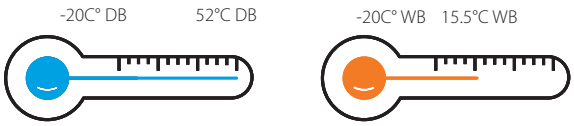
Newly positioned handle for easier carrying

Very long piping length

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

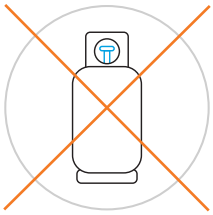
Wide operation range down to -20°C

- 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

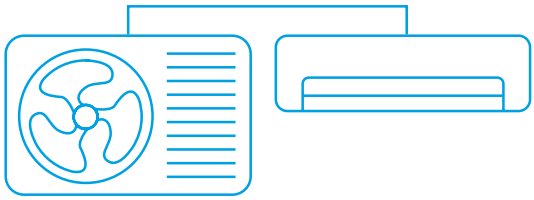
- To prevent unexpected breakdown
- To lower running costs
- To protect the environment
- To improve comfort

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.

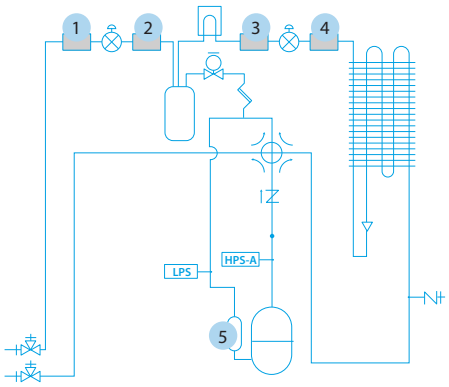


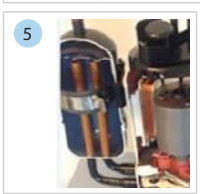
Replace outdoor units

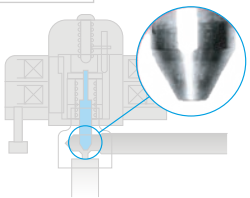
Learn more about Daikin replacement solutions at

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

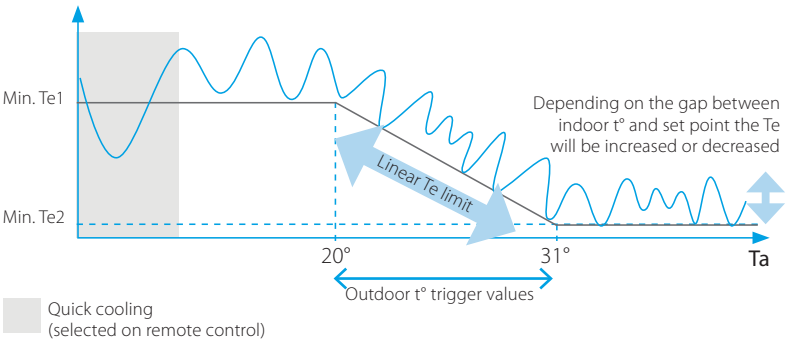
note: For general installation guidelines and requirements please check the installation manual of the specific outdoor model

Variable Refrigerant Temperature

The ultimate customer experience

- ☑ 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

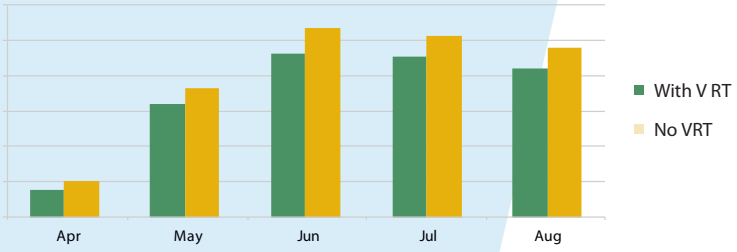


Case study: JBC, Vilvoorde

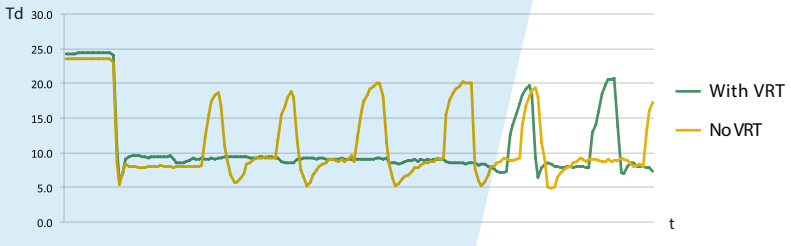
- ☑ Two pair systems are installed in the same zone allowing comparison

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

  Average energy consumption over 5 months of operation

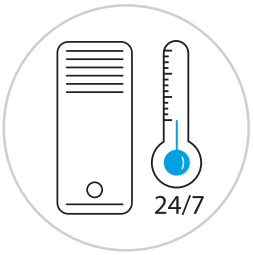


- ☑ Improved comfort: higher discharge temperatures
  - More stable and continuous operation
  - Average discharge temperature increased with 3~4°C



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

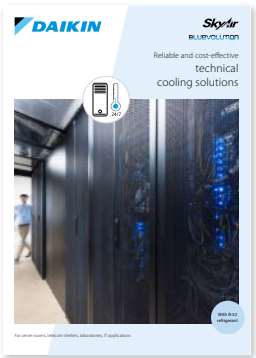
Efficient cooling

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.

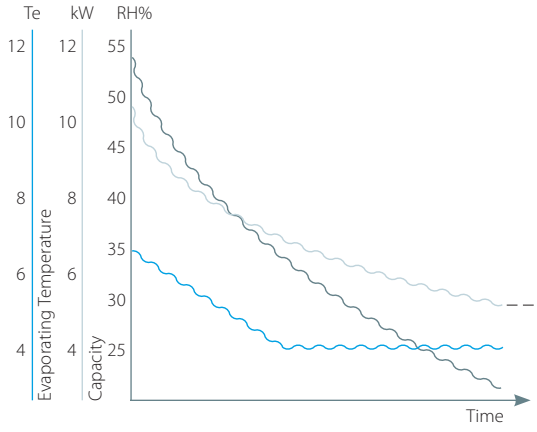
Applying this design logic to infrastructure cooling environments can lead to risky situations that might compromise overall system reliability and frequent downtimes of 15 minutes.

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.

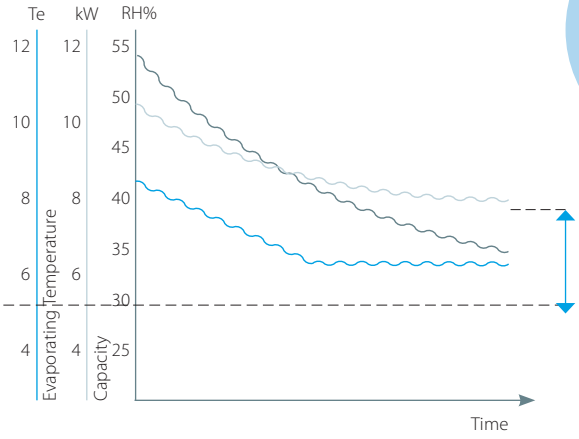
Infrastructure cooling application system solutions

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

Up to 18% savings on running cost

Low humidity + Low ambient environment

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

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	

EER

traditional solution 100%	
improved solution 82%	18% savings

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)

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

NEW

		FTXM-A				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
RZAG35B			P						P							P							P						P							P							P						
RZAG50B				P						P							P							P						P							P							P					
RZAG60AB					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

RZAG35B / FTXM50A

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	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
41.8	11	18	2.86	2.86	0.22	2.86	2.86	0.24	2.86	2.86	0.26	2.86	2.86	0.28	2.86	2.86	0.30	2.86	2.86	0.33	2.86	2.86	0.35	2.86	2.86	0.42	2.86	2.86	0.49	2.86	2.86	0.57	2.86	2.86	0.67	2.85	2.85	0.80	2.69	2.69	0.86
57	13		3.51	2.68	0.31	3.51	2.68	0.33	3.51	2.68	0.36	3.51	2.68	0.39	3.51	2.68	0.43	3.51	2.68	0.47	3.51	2.68	0.50	3.51	2.68	0.56	3.51	2.68	0.62	3.34	2.60	0.68	3.18	2.52	0.74	3.02	2.44	0.80	2.85	2.36	0.86
31.4	11	20	2.85	2.85	0.22	2.85	2.85	0.24	2.85	2.85	0.26	2.85	2.85	0.28	2.85	2.85	0.30	2.85	2.85	0.33	2.85	2.85	0.35	2.85	2.85	0.42	2.85	2.85	0.49	2.85	2.85	0.57	2.85	2.85	0.67	2.85	2.85	0.79	2.69	2.69	0.86
44.9	13		3.51	3.13	0.31	3.51	3.13	0.33	3.51	3.13	0.36	3.51	3.13	0.39	3.51	3.13	0.43	3.51	3.13	0.47	3.51	3.13	0.50	3.51	3.13	0.56	3.51	3.13	0.62	3.34	3.05	0.68	3.18	2.97	0.74	3.02	2.89	0.80	2.85	2.81	0.86
52	14		3.59	2.88	0.41	3.59	2.88	0.44	3.59	2.88	0.47	3.59	2.88	0.50	3.59	2.88	0.50	3.59	2.88	0.50	3.59	2.88	0.50	3.59	2.88	0.56	3.59	2.88	0.62	3.42	2.80	0.68	3.26	2.73	0.74	3.10	2.65	0.80	2.93	2.58	0.86
22.9	11	22	2.84	2.84	0.22	2.84	2.84	0.23	2.84	2.84	0.25	2.84	2.84	0.28	2.84	2.84	0.30	2.84	2.84	0.32	2.84	2.84	0.35	2.84	2.84	0.41	2.84	2.84	0.49	2.84	2.84	0.57	2.84	2.84	0.67	2.84	2.84	0.79	2.69	2.69	0.86
34.8	13		3.51	3.51	0.31	3.51	3.51	0.33	3.51	3.51	0.36	3.51	3.51	0.39	3.51	3.51	0.43	3.51	3.51	0.47	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		3.67	3.08	0.50	3.67	3.08	0.50	3.67	3.08	0.50	3.67	3.08	0.50	3.67	3.08	0.50	3.67	3.08	0.50	3.67	3.08	0.50	3.67	3.08	0.56	3.67	3.08	0.62	3.50	3.01	0.68	3.34	2.93	0.74	3.18	2.86	0.80	3.01	2.79	0.86
54.3	16		3.75	2.83	0.51	3.75	2.83	0.51	3.75	2.83	0.51	3.75	2.83	0.51	3.75	2.83	0.51	3.75	2.83	0.51	3.75	2.83	0.51	3.75	2.83	0.57	3.75	2.83	0.62	3.58	2.76	0.68	3.42	2.69	0.74	3.26	2.62	0.80	3.10	2.55	0.86
21.2	12	24	3.37	3.37	0.26	3.37	3.37	0.29	3.37	3.37	0.31	3.37	3.37	0.34	3.37	3.37	0.36	3.37	3.37	0.40	3.37	3.37	0.43	3.37	3.37	0.51	3.37	3.37	0.60	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		3.59	3.59	0.41	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	0.56	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		3.75	3.28	0.51	3.75	3.28	0.51	3.75	3.28	0.51	3.75	3.28	0.51	3.75	3.28	0.51	3.75	3.28	0.51	3.75	3.28	0.51	3.75	3.28	0.57	3.75	3.28	0.62	3.58	3.21	0.68	3.42	3.14	0.74	3.26	3.07	0.80	3.10	3.00	0.86
50	17		3.83	3.03	0.51	3.83	3.03	0.51	3.83	3.03	0.51	3.83	3.03	0.51	3.83	3.03	0.51	3.83	3.03	0.51	3.83	3.03	0.51	3.83	3.03	0.57	3.83	3.03	0.63	3.66	2.96	0.69	3.50	2.89	0.75	3.34	2.82	0.81	3.18	2.75	0.87
21.5	14	27	3.59	3.59	0.41	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	0.56	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		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		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

4D151947

RZAG35B / 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	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	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	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	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

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RZAG35B / 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	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	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	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	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

4D151947

Boosted capacity indoor unit with 5kW outdoor system

RZAG50B / FTXM60A

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	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
41.8	11	18	3.27	3.27	0.44	3.27	3.27	0.47	3.27	3.27	0.51	3.27	3.27	0.56	3.27	3.27	0.62	3.27	3.27	0.68	3.27	3.27	0.75	3.27	3.27	0.85	3.27	3.27	0.94	3.27	3.27	1.03	3.27	3.27	1.13	3.27	3.27	1.22	3.27	3.27	1.31
57	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	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	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

4D151948

RZAG50B / 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	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	kW	kW	kW
41.8	11	18	4.03	4.03	0.32	4.03	4.03	0.35	4.03	4.03	0.39	4.03	4.03	0.43	4.03	4.03	0.47	4.03	4.03	0.51	4.03	4.03	0.61	4.03	4.03	0.71	4.03	4.03	0.82	4.03	4.03	0.93	4.03	4.03	1.04	4.03	4.03	1.15	3.85	3.85	1.25
57	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	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	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

4D151948

RZAG50B / 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	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	kW	kW	kW
41.8	11	18	4.05	4.05	0.33	4.05	4.05	0.36	4.05	4.05	0.40	4.05	4.05	0.44	4.05	4.05	0.48	4.05	4.05	0.53	4.05	4.05	0.63	4.05	4.05	0.73	4.05	4.05	0.84	4.05	4.05	0.95	4.05	4.05	1.07	4.05	4.05	1.19	3.85	3.85	1.28
57	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	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	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

4D151948

Symbols

RH: Relative humidity [%]

EWB: Entering wet-bulb temperature (°C WB)

EDB: Entering dry-bulb temperature (°C DB)

TC: Total capacity [kW]

SHC: Sensible heat capacity [kW]

PI: Power input [kW]

Boosted capacity indoor unit with 6kW outdoor system

RZAG60B / FTXM71A

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	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	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	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	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

4D151949

RZAG60B / 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	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	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	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	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

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RZAG60B / 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	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	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	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	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

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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· m. Level difference: ·0·m

For all capacity tables of RZAG-B refer to the databook.

Boosted capacity indoor unit with 7kW outdoor system

RZAG71NV1
RZAG71NY1

Indoor			Outdoor temperature [°C DB] -20			-15			-10			-5			0			5		
			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	-
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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

Indoor			Outdoor temperature [°C DB] 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
RH [%]	°CWB	°CDB	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-
41.8	11	18	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	0.55	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	0.43	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	0.55	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	0.60	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	0.43	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	0.55	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	0.66	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	0.72	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	0.49	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	0.60	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	0.72	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	0.73	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	0.60	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	0.66	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	0.72	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	FAA100A	FVA100A	FHA100A	FUA100A	FUB100A
Cooling	1.64	1.64	1.96	1.72	1.69	1.69	1.64

Twin	FCAG50B X 2	FHA50A X 2	FFA50A X 2	FDXM50F X 2	FBA50A X 2
Cooling	1.56	1.70	1.79	1.44	1.67

Triple	FCAG35B X 3	FHA35A X 3	FFA35A X 3	FDXM35F9 X 3	FBA35A x 3
Cooling	1.51	1.51	1.62	1.51	1.64

3D125184B

Boosted capacity indoor unit with 10kW outdoor system

RZAG100NV1
RZAG100NY1

Indoor			Outdoor temperature [°C DB] -20			-15			-10			-5			0			5		
			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	-
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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
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

Indoor			Outdoor temperature [°C DB] 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
RH [%]	°CWB	°CDB	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-
41.8	11	18	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	0.46	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	0.38	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	0.46	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	0.49	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	0.38	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	0.46	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	0.53	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	0.57	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	0.42	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	0.49	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	0.57	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	0.60	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	0.49	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	0.53	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	0.57	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	FAA71Ax2	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 Cooling
   - 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

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	FUA71Ax2	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

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	FUA71Ax2	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 Cooling
   - 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 [%]

For all capacity tables refer to the databook:

RZAG-NV1 RZAG-NY1

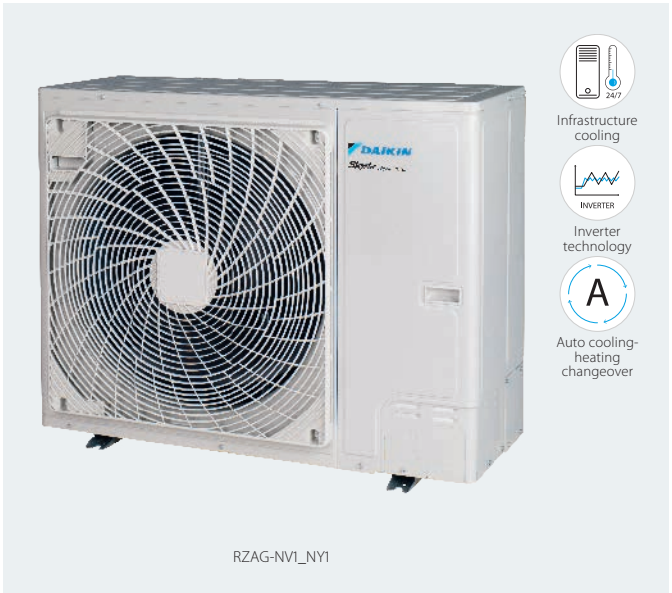
R-32

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-B)
- 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-A				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
RZAG35B						P							P				P			P							P										P							P						
RZAG50B							P							P				P			P							P										P							P						
RZAG60B								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-A				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
RZAG35B			P						P							P							P						P							P							P						
RZAG50B				P						P							P								P					P							P							P					
RZAG60AB					P						P							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			P	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			P	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			P	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.

RZAG-B RZAG-NV1 RZAG-NY1

Outdoor unit				RZAG	35B	50B	60B	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							
	Level difference	IU - OU	Max.	m	30.0			30							
	Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 30m)			See installation manual							
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

Sky Air Advance-series

R-32

SkyAir Advance-series BLUEVOLUTION

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

RZASG100-140MV(1)/MY(1)

Inverter technology

Auto cooling-heating changeover

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			
RZASG100MV(1)	RZASG100MY(1)	3	2			P			3	2		3	2		3	2			P		
RZASG125MV(1)	RZASG125MY(1)	4	3	2			P		4	3	2	4	3	2	4	3	2			P	
RZASG140MV(1)	RZASG140MY(1)	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		
RZASG100MV(1)	RZASG100MY(1)		3	2			P				P			P		P			3	2	
RZASG125MV(1)	RZASG125MY(1)	P	4	3	2			P				P					P		4	3	2
RZASG140MV(1)	RZASG140MY(1)		4	3		2			P	2			2		2			P	4	3	

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

RZASG-MV1 RZASG-MY1 RZASG-MV RZASG-MY

Outdoor unit				RZASG	71MV1	100MV(1)	125MV(1)	140MV(1)	100MY(1)	125MY(1)	140MY(1)
Dimensions	Unit	HeightxWidthxDepth		mm	770x900x320	990x940x320					
Weight	Unit			kg	60	70 (MY1)/72 (MY)		78 (MV1)/79 (MV)	70 (MY1)/72 (MY)		78 (MV1)/79 (MV)
Sound power level	Cooling			dBA	65	70	71	73	70	71	73
	Heating			dBA	-		71(1)	73(1)	-	71(1)	73(1)
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

Sky Air Advance-series

R-32

SkyAir Advance-series
BLUEVOLUTION

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

Inverter technology

Auto cooling-heating changeover

Comfort cooling combination table

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

P = pair application

RZA-D

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

NEW ARXM-A / AZAS-MV / MY

Sky Air Active-series

R-32

SkyAir Active-series BLUEVOLUTION

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 -10°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

AZAS100-140MV_MY

Outdoor unit silent operation

Pair application

	FCAG-B				FBA-A(9)				FAA-B				FHA-A(9) NEW				FVA-A NEW				ADEA-A		
capacity class	71	100	125	140	71	100	125	140	71	100	125	140	71	100	125	140	71	100	125	140	71	100	125
ARXM-A NEW	P				P				P				P								P		
AZAS-MV NEW		P	P	P		P	P	P		P				P	P	P		P	P	P		P	P
AZAS-MY NEW		P	P	P		P	P	P		P				P	P	P		P	P	P			

P = pair application

ARXM-A AZAS-MV AZAS-MY

Outdoor Unit					ARXM71A	AZAS100MV	AZAS125MV	AZAS140MV	AZAS100MY	AZAS125MY	AZAS140MY
Dimensions	Unit	HeightxWidthxDepth		mm	734x954x401	990x940x320					
Weight	Unit			kg	49.0	72		79	72		79
Sound power level	Cooling			dBA	-	70	71	73	70	71	73
	Heating			dBA	-	70	71	73	70	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						
	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	16	25		32	16		

Contains fluorinated greenhouse gases

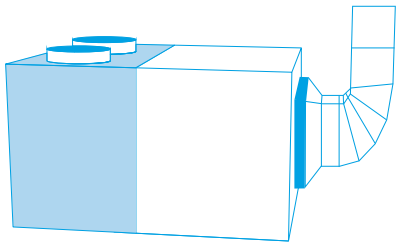
Wide range

of R-32 rooftop units to cover your needs

Rooftop

Wide range of R-32 rooftop units to cover your needs

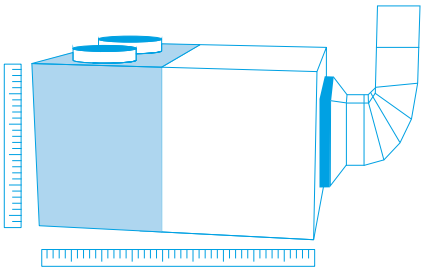
Made-To-Stock units (MTS)



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

BLUEVOLUTION

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

- Integration into Daikin intelligent Touch Manager BMS (via BACNET protocol)
- 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

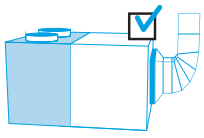
- ISO Coarse 75% filter (G4) (standard for MTS only)
- Standard clogged filter alarm
- Flexible air delivery
- Hydrophilic aluminum fins on indoor and outdoor unit side
- Mesh coil guard on outdoor heat exchanger
- Factory mounted drain pan with heater
- Single operation voltage-free contact
- Power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

4 versions to choose from

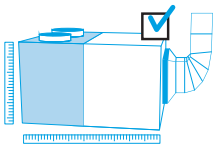
UATYA-BBAY1

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

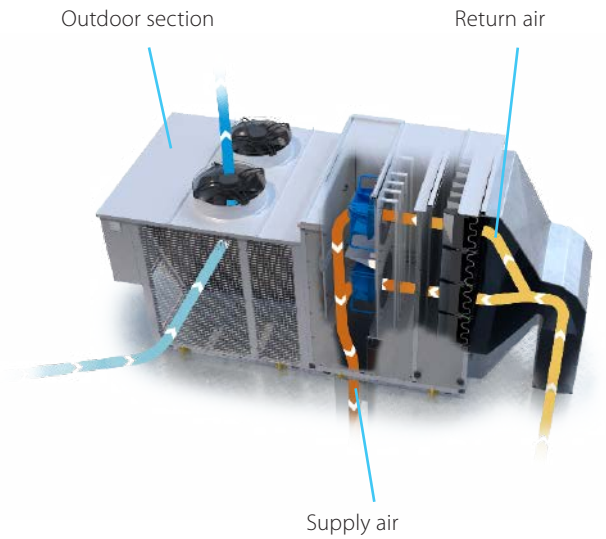


Made-To-Stock units (MTS)



Made-To-Order units (MTO)

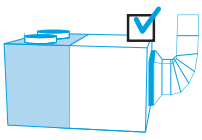
Heating operation example



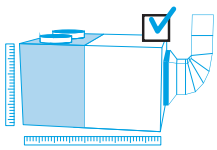
UATYA-BFC2Y1

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

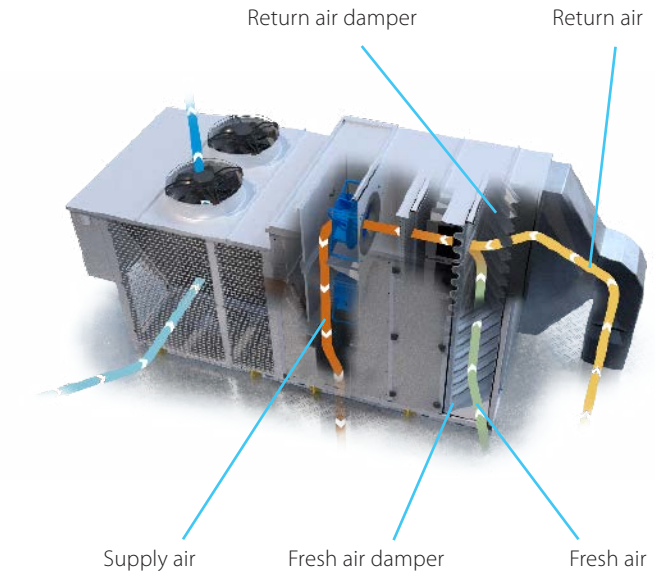


Made-To-Stock units (MTS)



Made-To-Order units (MTO)

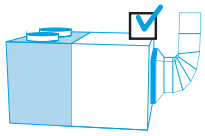
Heating operation example



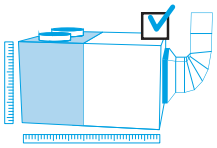
UATYA-BFC3Y1

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

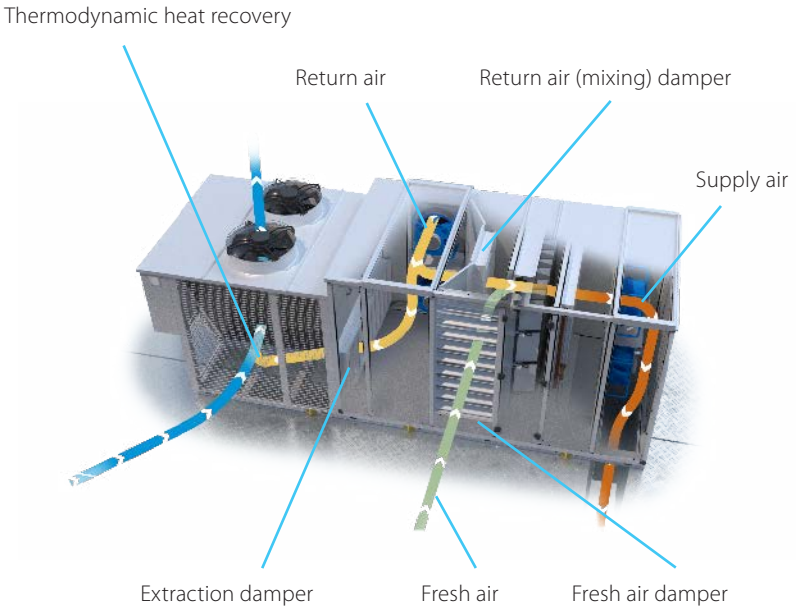


Made-To-Stock units (MTS)



Made-To-Order units (MTO)

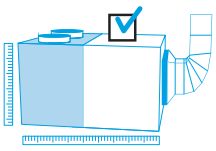
Heating operation example



UATYA-BRS4*

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

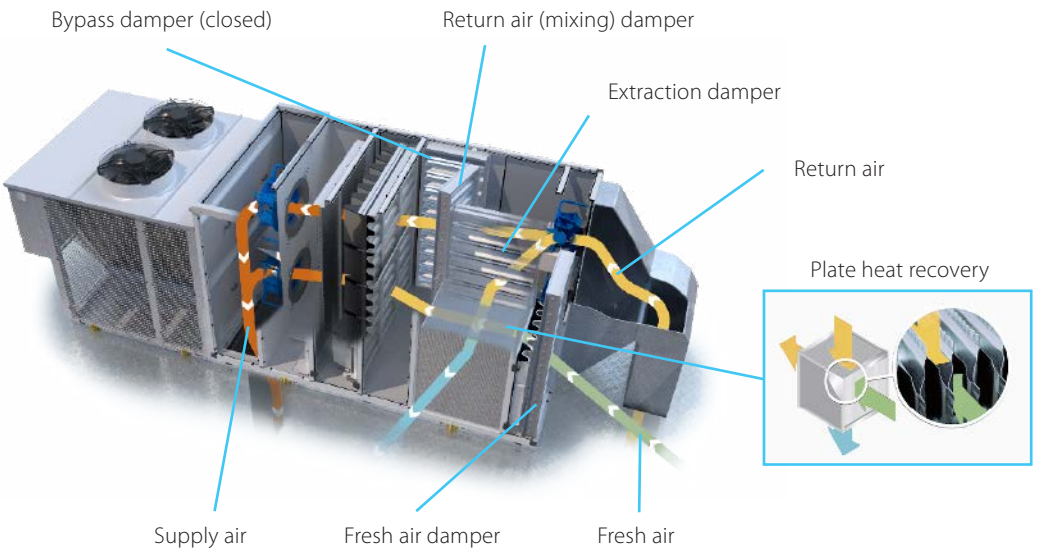
- Premium efficiency counter flow plate heat exchanger
  - Recovers up to 58% waste heat from the return air
  - Available in 50% and 100% return air heat recovery
- Bypass damper to allow plate heat exchange or free cooling
- Additional thermodynamic heat recovery available up to 50kW models
- Includes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



Made-To-Order units (MTO) only

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

Plate heat recovery mode in heating operation



Specifications Made-To-Stock units

UATYA-BBAY1

UATYA-BBAY1

UATYA20-30BBAY1

Indoor Unit					UATYA	25	30	40	50	60	70	80	90	100	110	120	140	150	160	180	190
Cooling capacity	Nom.			kW		24.1	31.3	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		24.0	29.5	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		24.1	31.3	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					4.52	4.79	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			%		177.8	188.6	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		24.0	29.5	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	3.64	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	143.6	142.7	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 - Supply side	Air intake direction - Air discharge direction				Rear															
		Thermodynamic heat recovery - Air discharge direction				No															
	Fresh air - Supply side	Standard - Air discharge direction				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		7.0	10.0	12.0	15.0	18.0		23.0	24.0	28.0	30.0	36.0	38.0		46.0	50.0	
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

UATYA-BFC2Y1

UATYA60-70BFC2Y1

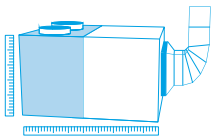
Indoor Unit					UATYA	25	30	40	50	60	70	80	90	100	110	120	140	150	160	180	190
Cooling capacity	Nom.			kW		24.1	31.3	38.7	45.7	58.8	65.3	74.8	89.8	95.8	108.9	115.0	133.4	144.7	154.6	171.9	187.0
	With 30% fresh air			kW		25.8	33.6	41.5	48.9	63.0	69.9	80.7	96.6	102.7	117.0	122.7	143.1	154.9	165.7	184.2	200.5
Heating capacity	Nom.			kW		24.0	29.5	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		24.3	29.6	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						2.83/2.96	3.09/3.26	3.06/3.21	2.96/3.10	3.12/3.28	2.92/3.06	3.09/3.26	3.06/3.24	2.97/3.13	2.99/3.13	2.91/3.03	3.14/3.29	3.02/3.16	3.05/3.19	3.07/3.21	2.97/3.10
COP						3.22/3.43	3.31/3.53	3.26/3.48	3.24/3.51	3.25/3.47	3.21/3.44	3.37/3.62	3.22/3.47	3.20/3.46	3.35/3.60	3.25/3.48	3.44/3.69	3.33/3.57	3.26/3.50	3.33/3.58	3.27/3.55
Space cooling	Capacity	Pdesign		kW		24.1	31.3	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					4.52	4.79	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			%		177.8	188.6	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		24.0	29.5	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	3.64	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	143.6	142.7	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 - Supply side	Air intake direction - Air discharge direction				Rear, Left, Right															
		Thermodynamic heat recovery - Air discharge direction				No															
	Fresh air - Supply side	Standard - Air discharge direction				Yes															
	Fresh air	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		7.0	10.0	12.0	15.0	18.0		23.0	24.0	28.0	30.0	36.0	38.0		46.0	50.0	
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	


UATYA80-120BFC3Y1

UATYA-BFC3Y1

Indoor Unit					UATYA	25	30	40	50	60	70	80	90	100	110	120	140	150	160	180	190
Cooling capacity	Nom.				kW	24.1	31.3	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	26.0	33.9	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	24.0	29.5	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	25.0	31.0	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						2.83/2.96	3.09/3.20	3.06/3.27	2.96/3.12	3.12/3.23	2.92/3.00	3.09/3.21	3.06/3.22	2.97/3.14	2.99/3.11	2.91/3.01	3.14/3.26	3.02/3.14	3.05/3.18	3.07/3.21	2.97/3.14
COP						3.22/3.41	3.31/3.50	3.26/3.51	3.24/3.46	3.25/3.40	3.21/3.39	3.37/3.56	3.22/3.45	3.20/3.42	3.35/3.57	3.25/3.40	3.44/3.62	3.33/3.57	3.26/3.49	3.33/3.63	3.27/3.50
Space cooling	Capacity	Pdesign			kW	24.1	31.3	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					4.52	4.79	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				%	177.8	188.6	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	24.0	29.5	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	3.64	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	143.6	142.7	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 - Supply side	Air intake direction - Air discharge direction				Rear				Right											
	Return side	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															
	Return side - Supply side	Thermodynamic heat recovery - Air discharge direction				Yes															
	Fresh air - Supply side	Standard - Air discharge direction				Yes															
	Fresh air	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	7.0	10.0	12.0	15.0	18.0		23.0	24.0	28.0	30.0	36.0	38.0		46.0	50.0	
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	

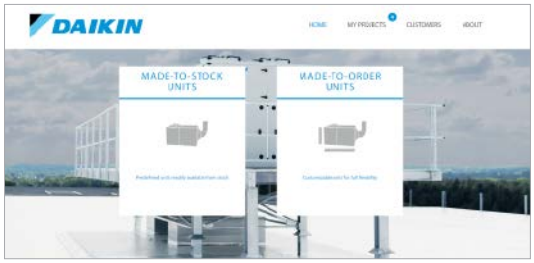
Specifications Made-To-Order units



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

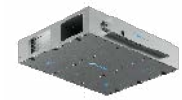
Products overview

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

Decentralised systems

- Superior IAQ level: up to three stage filtration on supply side
- DX coil integration for a unique Daikin fresh air package
- Plug&Play control solution, for a quick and easy start-up

Compact T 200 m³/h up to 4,200 m³/h



- High efficiency counterflow heat exchanger
- VDI 6022 Compliant
- Compact design for false ceiling installation

Compact L 150 m³/h up to 4,000 m³/h

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

VAM-FC9 / VAM-J 150 m³/h up to 2,000 m³/h

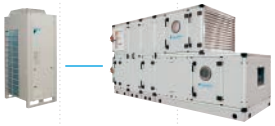
- DX coil for post-treatment of fresh air
- Split up concept increases application flexibility
- Integrates both in R-32 and R-410A VRV systems

VAM + DX coil 500 m³/h up to 2,000 m³/h

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

VKM-GBM 500 m³/h up to 1,000 m³/h

Centralised systems



- Fully customizable
- Daikin Digital Plug & Play Control as option
- With DX or water coil option

D-AHU PROFESSIONAL 750 m³/h up to 144,000 m³/h

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

D-AHU Modular P 500 m³/h up to 25,000 m³/h

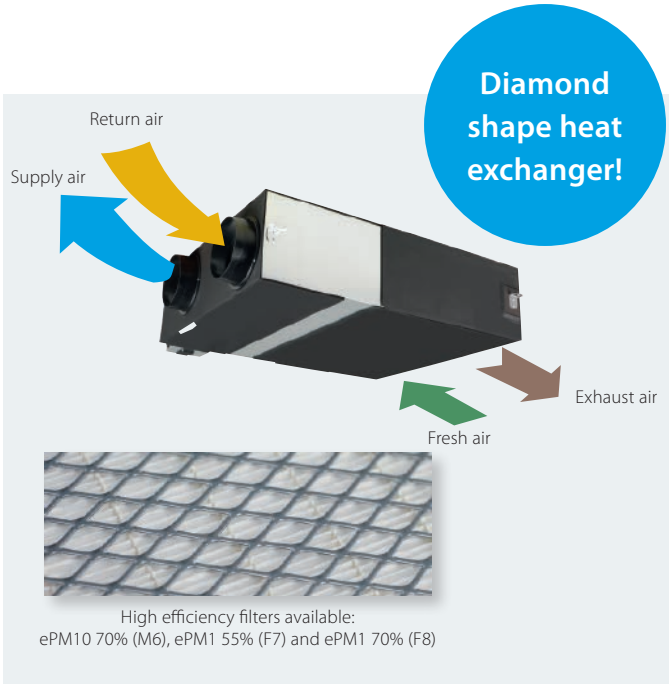
- Rotary heat exchanger (sorption and sensible technology)
- Pre-configured sizes
- Plug & Play controls
- With DX or water coil option

D-AHU Modular R 500 m³/h up to 25,000 m³/h

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 create under/over-pressure conditions in the served room
- 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)



High efficiency filters available:
ePM10 70% (M6), ePM1 55% (F7) and ePM1 70% (F8)

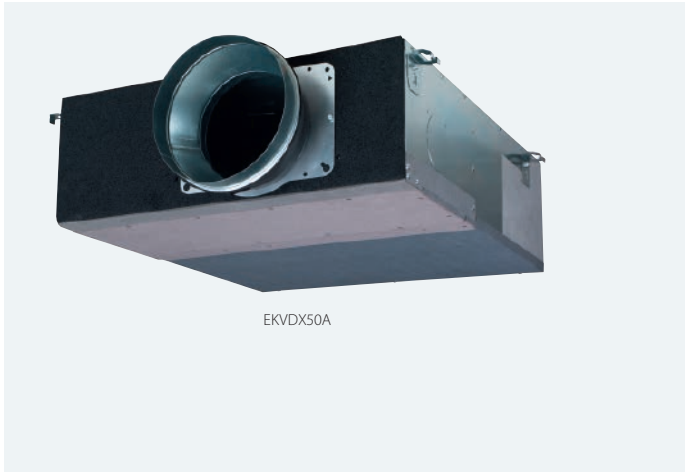
ErP COMPLIANT

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

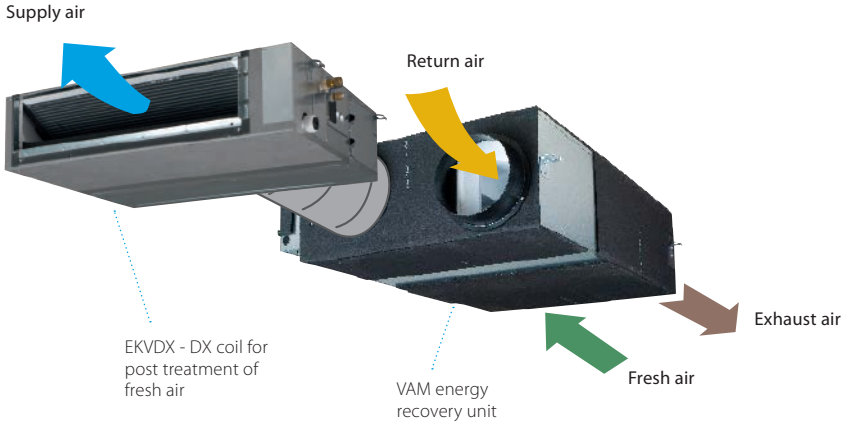
DX coil for air processing



EKVDX50A

Post heating or cooling of fresh air to lower the load on the air conditioning system

- Creates a high quality indoor environment by pre conditioning of incoming fresh air
- Maximum installation flexibility thanks to separate DX coil
- Wide range of units covering fresh air flows of 500 up to 2,000 m^3/h
- High ESP up to 150 Pa
- Can be integrated in both R-32/R-410A VRV systems



EKVDX-A

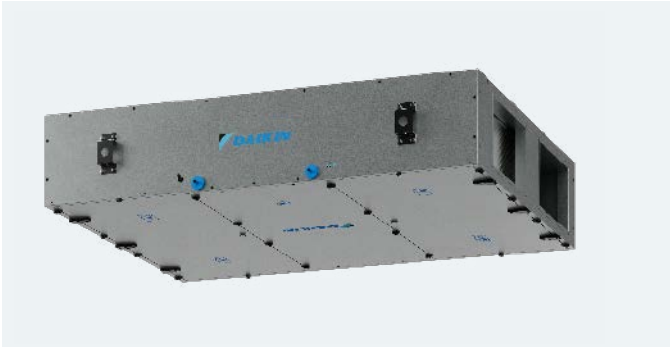
					EKVDX32A	EKVDX50A	EKVDX80A	EKVDX100A
Power input - 50Hz	Cooling	Nom.		kW	0.035	0.035	0.035	0.035
	Heating	Nom.		kW	0.035	0.035	0.035	0.035
Casing	Material				Galvanised steel plate			
Insulation material					Opcell and anti-sweat material			
Dimensions	Unit	Height		mm	250			
		Width		mm	550	700	1,000	1,400
		Depth		mm	809			
Weight	Unit			kg	19	23.4	30.1	37.7
Operation range	Around unit			°CDB	10°C~40°CDB, 80% RH or less			
	On coil temperature	Cooling	Max.	°CDB	35			
		Heating	Min.	°CDB	11			
Piping connections	Liquid	OD		mm	6.35			
	Gas	OD		mm	12.7			
	Drain				VP20 (I.D. 20/O.D. 26), drain height 625 mm			
Refrigerant	Type				R410A/R32			
	GWP				2,087.5/675			
Heat exchange system					Direct expansion			
Power supply	Phase				single phase			
	Frequency			Hz	50/60			
	Voltage			V	220-240/220			

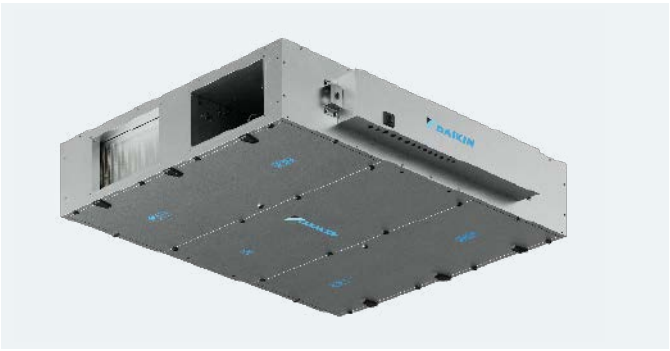
Possible Combination VAMJ8 + EKDVX					EKVDX32A + VAM500J8	EKVDX50A + VAM650J8	EKVDX50A + VAM800J8	EKVDX80A + VAM1000J8	EKVDX100A + VAM1500J8	EKVDX100A + VAM2000J8
Cooling capacity	Total (VAM+DX coil)		At ultra high fan speed	kW	5.1	7.1	8.6	9.3	15.4	18.4
	DX coil		At ultra high fan speed	kW	3.4	4.8	5.5	5.7	9.5	11.2
			At high fan speed	kW	2.7	4.1	4.4	4.5	8.8	9.2
Heating capacity	Total (VAM+DX coil)		At ultra high fan speed	kW	6.7	8.5	11	11.9	18.7	22.9
	DX coil		At ultra high fan speed	kW	4.2	5.1	6.9	7	10.8	13
			At high fan speed	kW	3.6	4.6	5.8	6.3	9.6	11.7
Fan	Air flow rate - 50Hz	Heat exchange mode	Ultra high	m^3/h	500	650	800	1,000	1,500	2,000
			High	m^3/h	425	550	680	850	1,275	1,700
		Bypass mode	Ultra high	m^3/h	500	650	800	1,000	1,500	2,000
			High	m^3/h	425	550	680	850	1,275	1,700
	External static pressure - 50Hz	Maximum		Pa	81.9	73.0	133.7	106.0	153.6	92.1
		Ultra high		Pa	51.9	43.0	23.7	26.0	43.6	12.1
		High		Pa	39.0	33.9	19.4	21.4	35.1	11.9
Sound pressure level - 50Hz	Cooling		Ultra high	dBA	32	34	35.5	40.5	38.5	43.5
			High	dBA	30.5	32	34	38	37	40
	Heating		Ultra high	dBA	32.5	34.5	36	40.5	39	44
			High	dBA	31.5	32	34	38.5	37	40.5
Current	Maximum fuse amps (MFA)			A	6	6	6	6	16	16

The heat reclaim ventilation unit and the EKVDX indoor unit MUST share the same electrical safety devices and power supply

Compact 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 ePM1 50% (F7) + ePM1 80% (F9)) making the unit reach highest indoor air quality requirements.
- Wide air flow coverage from 150m³/h to 4,000m³/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 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

For integration with Applied systems,
please refer to the Compact L, in the AHU chapter

ALB-S

D-AHU Compact L Smart			ALB02*C* (1)	ALB03*C*	ALB04*C*	ALB05*C*	ALB06*C*	ALB07*C*
Airflow	Nominal	m³/h	300	600	1,200	1,500	2,500	3,000
Electrical supply	Phase	ph	1					
	Frequency	Hz	50/60					
	Voltage	V	220/240					
	Ampere	A	16					
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			
Weight unit	Net weight	kg	115	170	255	265	310	320
	Gross weight	kg	125	180	270	280	325	335
Duct dimensions		mm	250	400	500	500	700	700
		mm	150	200	300	300	400	400

(1) ALB02*C* refers to all configuration available for Compact L size 02 (Smart or Pro version and right or left handing)

Please refer to Databook or Astra selection software for more details.

Compact 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

IAQ matters

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

The future of ventilation

The Compact 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.

ATB-S

D-AHU Compact T Smart			ATB03*B* (1)	ATB04*B*	ATB05*B*	ATB06*B*	ATB07*B*
Airflow	Nominal	m^3/h	800	1,650	2,300	2,700	3,900
Electrical supply	Phase	ph	1				
	Frequency	Hz	50				
	Voltage	V	230				
	Max internal fuse	A	16				
Main unit dimensions	Width	mm	550	790			890
	Height	mm	1,600		1,900	1,850	2,050
	Length (2)	mm	1,580	1,650	2,170	2,620	2,950
Duct dimensions		mm	250	315	355	400	500
Weight unit	Net weight	kg	185	230	370	475	580
	Gross weight	kg	195	240	390	505	610

(1) ATB03*B* refers to all configuration available for Compact T size 03 (Smart or Pro version and right or left handing)
(2) Size 05 is provided in two sections while Size 06 and 07 are provided in three sections.

Please refer to Databook or Astra selection software for more details.

Why use DX outdoor units with Air Handling Units?

High comfort levels

- Rapid response of supply air temperature to changing loads, results in a steady indoor temperature
- VRV offers the ultimate comfort thanks to continuous heating, also during defrost

Low carbon footprint and operating costs

- DX heat pumps are highly efficient inverter units using a lower GWP refrigerant
- By integrating a VRV heat recovery system, excess heat from rooms in cooling can be reused to heat up incoming fresh air

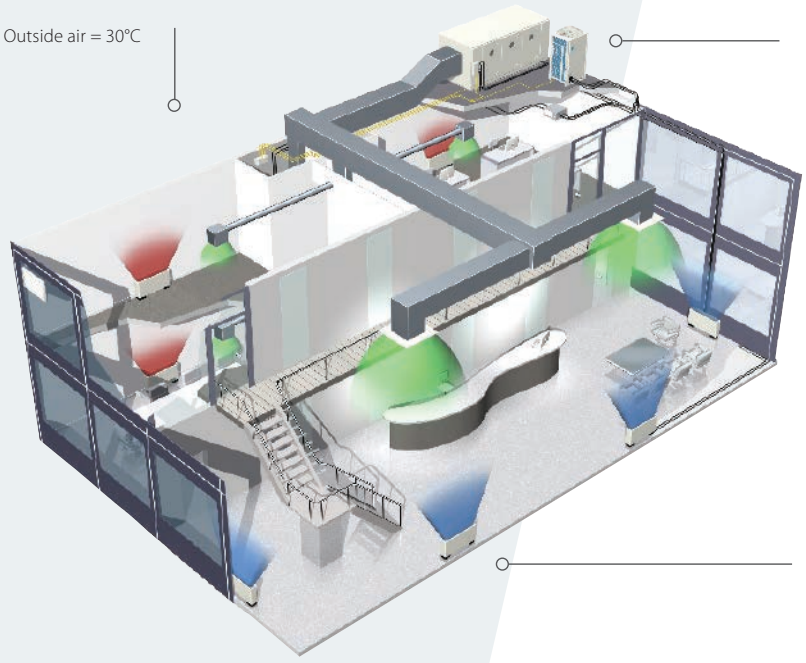
Easy design, all components integrated

- A DX system is an all-in-one system, no boilers, tanks or pumps are needed reducing the total investment cost

One-stop shop, Daikin's fresh air package

- A plug & play package with a Daikin DX outdoor unit and Daikin Air Handling Unit
- One point of contact for the design, installation and commissioning, streamlining the process

Total solution operation example



Daikin Air Handling Unit kits for connection to DX outdoor units

R-32

NEW Expansion valve kits

- **3 new capacities** (300, 350, 400) offer a complete range of expansion valve kits **from 5 to 69.3kW**
- **Improved flexibility** thanks to combination ratio from 65% up to 110%
- Unified range connectable both to **R-32 and R-410A** systems
- Can be used in the most **extreme outdoor conditions**, down to -20°C
- F**ully compliant to IEC60335-2-40**, thanks to Shîrudo Technology

Extended operation range
-20°CWB > 52°CDB

NEW Control box

- Complete offer of **5 control possibilities**
- Daikin **integrated** or **third-party controller**
- Control of return air or fresh air supply temperature
- All **control methods** unified in **one box**
- Hinged door for **easy servicing**

Expansion valve set (EKEXVA*)

- Controls the refrigerant flow in the AHU DX coil
- Fully brazed and wired in case of a Daikin AHU

Control box (EKEACB)

- Controls the expansion valve set and outdoor unit(s) capacity
- Mounted and wired in case of a Daikin AHU

Specifications

EKEXVA – Expansion valve kit

Ventilation	EKEXVA				50	63	80	100	120	140	200	250	300	350	400	450	500
Dimensions	Unit			mm	404x217x80.5												
Weight	Unit			kg	2.9												
Operation range	On coil temperature	Heating	Min.	°CDB	10.0												
		Cooling	Max.	°CDB	35.0												
Ambient installation conditions	Min.			°CDB	-20.0												
	Max			°CDB	52.0												
Sound pressure level	Cooling	Nom.		dBA	36.5	37.5	38.6	39.5	40.5	41.1	42.5	43.5	44.3	45.1	45.6	46.1	46.5
	Nom.			dBA	24.8	25.8	26.8	27.8	28.8	29.4	30.8	31.8	32.5	33.3	33.8	34.3	34.8
Refrigerant	Type / GWP				R-32 / 675 R-410A / 2,087.5												
Piping connections	Liquid	Type		mm	Braze connection (only liquid line connected)												
		OD		mm	6.35			9.52					12.7				

EKEACB – Control box

			EKEACB
Layout			Pair | Multi | Mix
Dimensions	Unit	mm	300x400x150
Weight	Unit	kg	5.1
Ambient installation conditions	Min	°CDB	-20
	Max	°CDB	52
Power supply	Phase		1~
	Frequency	Hz	50/60
	Voltage	V	220-240/220

Click for more information
on **EKEACB** or **EKEXVA** outdoor units

Air Handling Unit kits

Layout possibilities

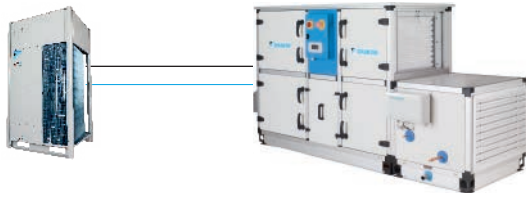
With our wide capacity range and different control options, a variety of layout possibilities to match your application:

- **Pair layout:** one or more outdoor units combined with 1 air handling unit
- **Multi layout:** one outdoor unit combined with multiple air handling units
- **Mix layout:** one outdoor unit combined with an air handling unit AND indoor units

Pair layout

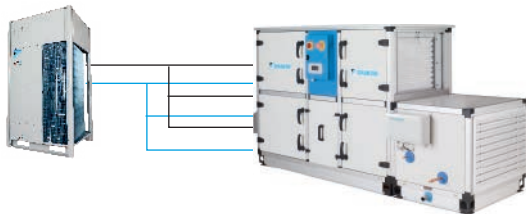
One ERA or VRV heat pump (system) connected to one AHU through one refrigerant circuit

- with W, X, Y, Z, Z' control
- not allowed for VRV H/R



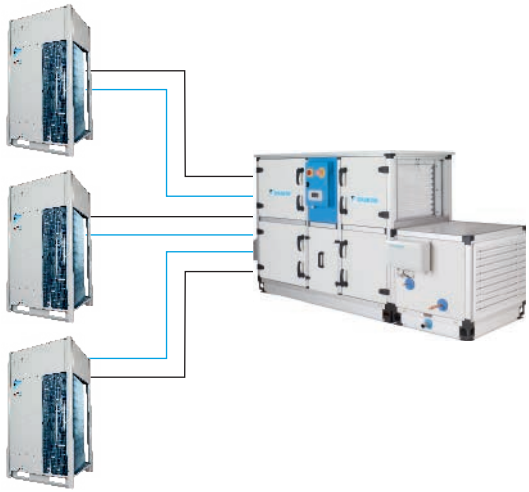
One VRV heat pump (system) connected to the interlaced coil of one AHU through several refrigerant circuits

- with W, X, Y control
- not allowed for VRV H/R and VRV-i



Several ERA or VRV heat pumps connected to the interlaced coil of one AHU through several refrigerant circuits

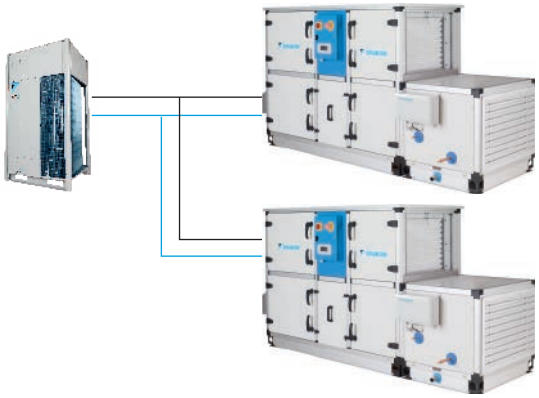
- with W, X, Y control
- not allowed for VRV H/R and VRV-i



Multi layout

One VRV heat pump connected to several AHUs

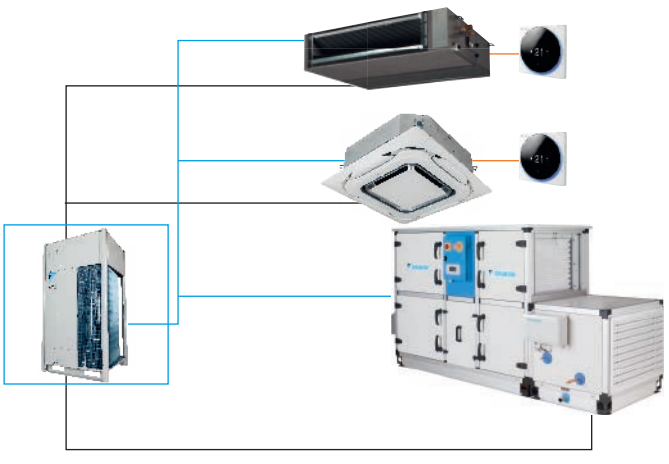
- with Z, Z' control and field supplied controls on AHU side.
- not allowed for VRV H/R
- no interlaced coil possible



Mix layout

VRV indoor units and AHU(s) mixed in the same VRV heat pump or heat recovery system

- with Z, Z' control and field supplied controls on AHU side
- no interlaced coil possible
- hydrobox not possible



Refrigerant piping
F1-F2
P1-P2

Integration with 3rd party Air Handling Units

Also for the integration with 3rd party AHU's Daikin provides expert support for the design and installation.

Selection of the expansion valve kit – Fresh air application

- Define the required heating/cooling load of your project
- Define 3rd party AHU heat exchanger capacity
- Use the Xpress selection software or the below table to select the correct expansion valve kit
- The 3rd party AHU design should respect the allowed heat exchanger volume
- Xpress selection software will select the correct outdoor unit at the design ambient temperatures.

Cooling

	EKEXVA Class	Allowed heat exchanger capacity (kW)			Allowed heat exchanger volume (dm³)*		
					Minimum		Maximum
		Minimum	Nominal	Maximum	General Limits	(65%<CR<75%) Only for pair and multi layout	Maximum
	50	5.0	5.6	6.2	0.95	1.09	1.65
	63	6.3	7.1	7.8	1.02	1.18	2.08
	80	7.9	9.0	9.9	1.42	1.64	2.64
	100	10.0	11.2	13.1	1.51	1.74	3.30
	125	13.2	14.0	15.4	1.98	2.29	4.12
	140	15.5	16.0	21.0	2.54	2.94	4.62
	200	21.1	22.4	24.6	3.02	3.49	6.60
	250	24.7	28.0	30.8	3.97	4.58	8.25
NEW	300	30.9	33.5	36.9	4.53	5.25	9.9
NEW	350	37.0	40.0	44.0	5.48	6.32	11.55
	400	44.1	45.0	49.5	6.04	6.97	13.2
NEW	450	49.6	50.4	55.4	6.99	8.07	14.5
	500	55.5	56.0	61.6	7.55	8.72	16.5

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

* Applicable when connected to VRV outdoor units. For the corresponding DX coil limitations when the DX coil is connected to ERA units, please refer to the table on page <?>.

Heating

	EKEXVA Class	Allowed heat exchanger capacity (kW)			Allowed heat exchanger volume (dm³)*		
					Minimum		Maximum
		Minimum	Nominal	Maximum	General Limits	(65%<CR<75%) Only for pair and multi layout	Maximum
	50	5.6	6.3	7.0	0.95	1.09	1.65
	63	7.1	8.0	8.8	1.02	1.18	2.08
	80	8.9	10.0	11.1	1.42	1.64	2.64
	100	11.2	12.5	14.7	1.51	1.74	3.30
	125	14.8	16.0	17.3	1.98	2.29	4.12
	140	17.4	18.0	23.6	2.54	2.94	4.62
	200	23.7	25.0	27.7	3.02	3.49	6.60
	250	27.8	31.5	34.7	3.97	4.58	8.25
NEW	300	34.8	37.5	41.5	4.53	5.23	9.9
NEW	350	41.6	45.0	49.5	5.48	6.32	11.55
	400	49.6	50.0	55.7	6.04	6.97	13.2
NEW	450	55.8	56.5	62.4	6.99	8.07	14.85
	500	62.5	63.0	69.3	7.55	8.72	16.5

Saturated evaporating temperature: +46°C
Air temperature: +20°C DB

* Applicable when connected to VRV outdoor units. For the corresponding DX coil limitations when the DX coil is connected to ERA units, please refer to the table on page <?>..

Selection of the expansion valve kit – Recirculation application

- Define the required heating/cooling load of your project
- Use the Xpress selection software or the below table to select the correct expansion valve, following the procedure used as for standard VRV indoor units
- The 3rd party AHU design should respect the allowed heat exchanger (DX coil) volume limitations which in are in place for VRV (above on this page) and ERA (page 7)
- Xpress selection software will select the correct outdoor unit at the design ambient temperatures

Cooling

	EKEXVA Class	On-coil air temperature [°C]						
		14WB 20DB	16WB 23DB	18WB 26DB	19WB 27DB	20WB 28DB	22WB 30DB	24WB 32DB
		kW	kW	kW	kW	kW	kW	kW
	50	3.8	4.5	5.2	5.6	5.9	6.0	6.2
	63	4.8	5.7	6.6	7.1	7.5	7.7	7.8
	80	6.1	7.2	8.4	9.0	9.5	9.7	9.9
	100	7.6	9.0	10.5	11.2	11.8	12.1	12.3
	125	9.5	11.3	13.1	14.0	14.8	15.1	15.4
	140	10.8	12.9	15.0	16.0	16.9	17.3	17.6
	200	15.1	18.0	21.0	22.4	23.6	24.2	24.6
	250	18.9	22.5	26.2	28.0	29.5	30.2	30.8
NEW	300	22.6	26.9	31.3	33.5	35.3	36.1	36.9
NEW	350	27.0	32.2	37.4	40.0	42.1	43.1	44.0
	400	30.4	36.2	42.1	45.0	47.4	48.5	49.5
NEW	450	34.0	40.5	47.2	50.4	53.1	54.3	55.4
	500	37.8	45.0	52.4	56.0	59.0	60.4	61.6

Heating

	EKEXVA Class	On-coil air temperature [°C]						
		10.0	16.0	18.0	20.0	21.0	22.0	24.0
		kW	kW	kW	kW	kW	kW	kW
	50	6.6	6.6	6.6	6.3	6.1	5.9	5.5
	63	8.4	8.4	8.4	8.0	7.7	7.5	7.0
	80	10.5	10.5	10.5	10.0	9.7	9.4	8.7
	100	13.1	13.1	13.1	12.5	12.1	11.7	10.9
	125	16.8	16.8	16.8	16.0	15.5	15.0	13.9
	140	18.9	18.9	18.9	18.0	17.4	16.8	15.7
	200	26.2	26.2	26.2	25.0	24.2	23.4	21.8
	250	33.1	33.1	33.1	31.5	30.5	29.5	27.5
NEW	300	39.4	39.4	39.4	37.5	36.3	35.1	32.7
NEW	350	47.2	47.2	47.2	45.0	43.6	42.1	39.2
	400	52.4	52.4	52.4	50.0	48.4	46.8	43.6
NEW	450	59.2	59.2	59.2	56.5	54.7	52.9	49.3
	500	66.0	66.0	66.0	63.0	61.0	59.0	54.9

BR00000554/676/749/751

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

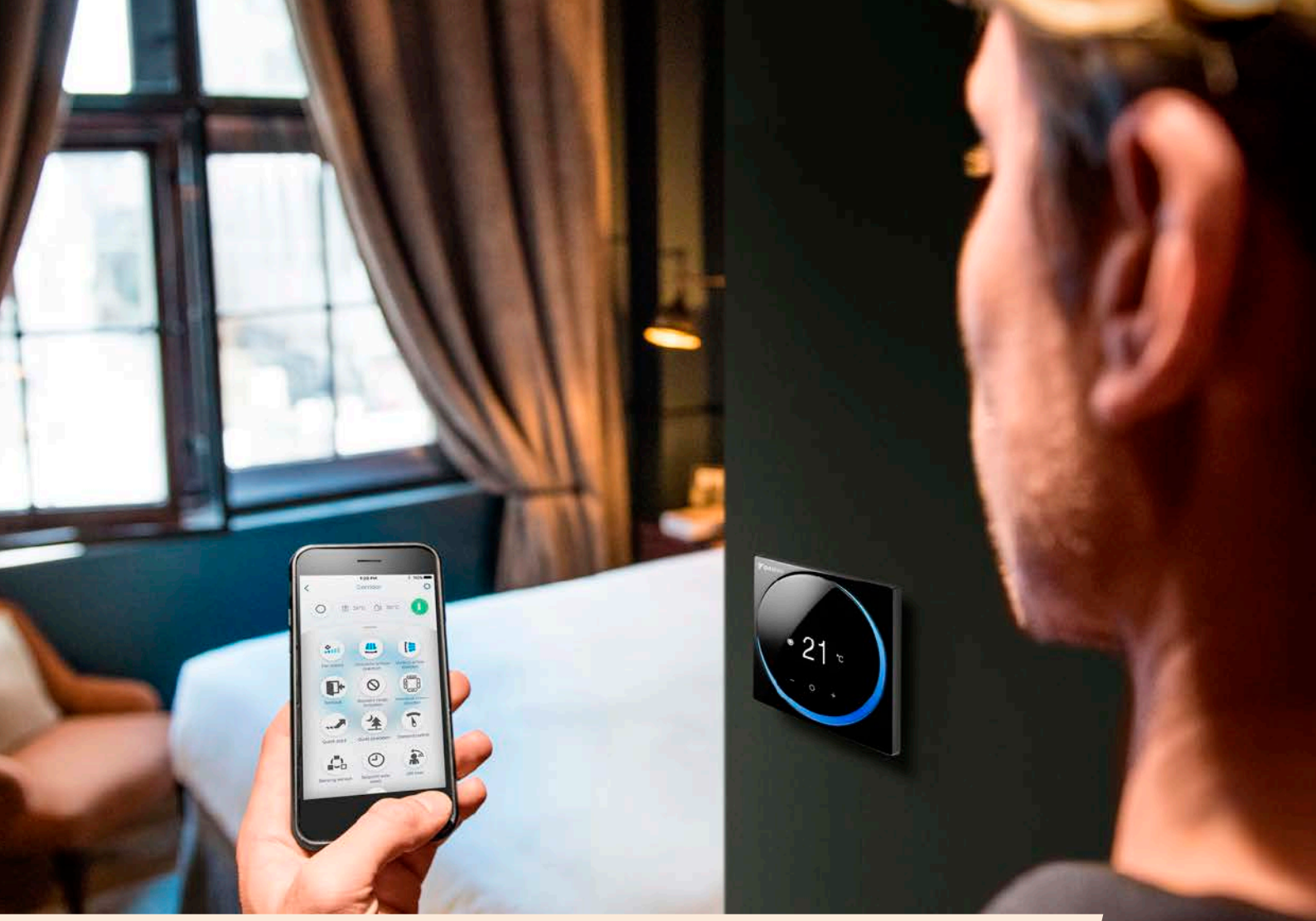
Plug & play, mobile recirculation unit with high efficiency filtration – for better indoor air quality in commercial spaces

- Airflow rate up to 2,000 m³/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

BR00000676/751

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			m³/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			



Control systems

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

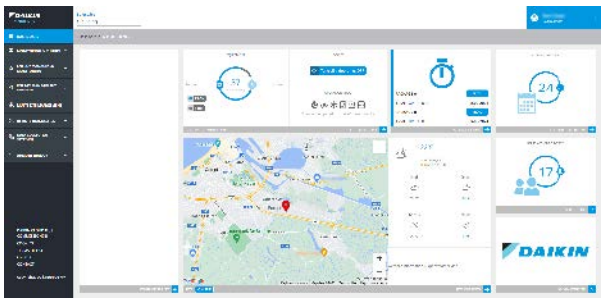
Black

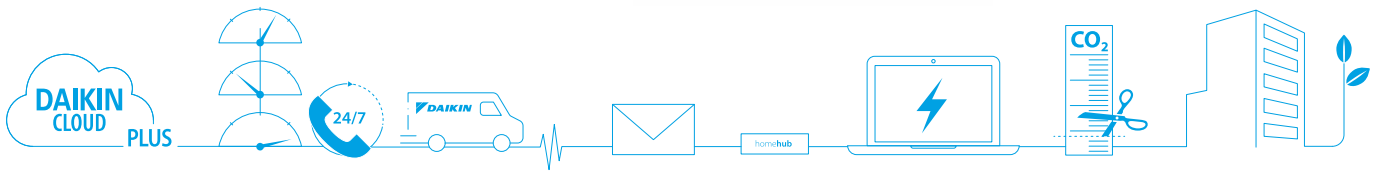
Depending on the type of user and application Daikin develops controls and cloud services to ensure the best experience.

- 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 facility 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



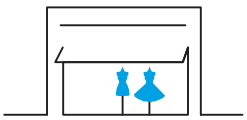


Control solutions summary

Daikin offers various control solutions 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 who would like to integrate Daikin units into their existing BMS system
- Advanced control solutions for those customers who expect Daikin to deliver a mini BMS solution, including advanced energy management

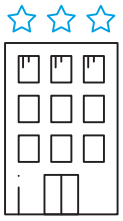
Shop

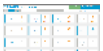


	Unit control		Integrating control				Advanced control			
										
	BRP069*	BRC1H52 W7/S7/K7	RTD-20	EKMBPP1A	KLIC DI V2	EKMBDXB	DCC601A51	DCM601B51	DGE601A51	DGE602A51
	Smartphone control for up to 50 indoor units	1 remote controller for 1 indoor unit (group)	1 gateway for 1 indoor unit (group)	1 gateway for 1 indoor unit (group)	Two additional probes can be connected	1 gateway for max. 64 indoor unit(s) (groups) & 10 outdoors	1 unit for 32 indoor unit(s)	1 iTM for 64 indoor unit(s) (groups) (1)	Up to 512 units with extension modules via Daikin Cloud Plus	Max 64 units via Daikin Cloud Plus
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	• (5)									
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	• (3)							•	•	•
Advanced energy management								•	•	•
Allows free cooling								•		
Voice control	• (4)									
Integrate Daikin products cross pillars into Daikin mini- BMS								•	•	
Integrate third party products into Daikin mini-BMS								•	•	•
Online control	•							• (2)	•	•
Manage multiple sites									•	•

(1) 7 iTM plus adapters (DGE601A52 and DGE601A53) can be added to have 512 indoor groups and 80 outdoor (systems) | (2) Through own IT set-up (not Daikin cloud server) | (3) Not available on all indoors | (4) Only for BRP069C51, connection to Google Assistant and Amazon Alexa | (5) Only for BRP069C51, contact your local sales representative for an overview of available services.

Hotel

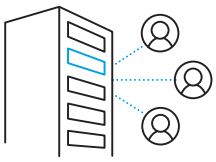


	Unit control	Integrating control		Advanced control			
							
	BRC1H52 W7/S7/K7	RTD-20	KLIC DI V2	DCM010A51	DCM601B51	DGE601A51	DGE602A51
	1 remote controller for 1 indoor unit (group)	1 gateway for 1 indoor unit (group)	Two additional probes can be connected	1 interface for up to 2,500 indoor units	1 iTM for 64 indoor unit(s) (groups) (1)	Up to 512 units with extension modules via Daikin Cloud Plus	Max 64 units via Daikin Cloud Plus
Hotel guest can control & monitor basic functionalities from his room	•						
Limit control possibilities for hotel guests	•	•	•	•	•	•	•
Interlock with window contact		•			•	•	•
Interlock with key-card		•			•	•	•
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 mini- BMS					•	•	
Integrate third party products into Daikin mini-BMS					•	•	•
Online control					•	•	•

(1) 7 iTM plus adapters (DGE601A52 and DGE601A53) can be added to have 512 indoor groups and 80 outdoor (systems)

For more information how to apply our controllers in different applications, consult our controls application catalogue via our consulting sales corner.

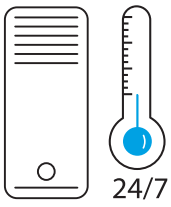
Office



	Unit control	Integrating control			Advanced control			
			 LonWorks Interface	 BACnet Interface				
	BRC1H52 W7/S7/K7	EKMBDXB	DMS504B51	DMS502A51	DCC601A51	DCM601B51	DGE601A51	DGE602A51
	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 outdoors (2)	1 unit for 32 indoor unit(s) (groups)	1 iTM for 64 indoor unit(s) (groups) (1)	Up to 512 units with extension modules via Daikin Cloud Plus	Max 64 units via Daikin Cloud Plus
Automatic control of A/C	•	•	•	•	•	•	•	•
Centralised control for management		•	•	•	•	•	•	•
Local control for office staff	•				•	• Through web	•	•
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						•	•	•
Advanced energy management						• (5)	•	•
PPD software to distribute used kWh/indoor unit				• (4)		•	•	•
Integrate Daikin products cross pillars into Daikin mini- BMS						•	•	
Integrate third party products into Daikin mini-BMS						•	•	•
Online control							•	•
Manage multiple sites							•	•

(1) 7 iTM plus adapters (DGE601A52 and DGE601A53) 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 DAM412B51 option | (5) via DCM002A51 option

Infrastructure cooling



	Unit	Integrating	Advanced
			
	BRC1H52W7/S7/K7	RTD-10	DCM601B51
	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 (DGE601A52 and DGE601A53) 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.

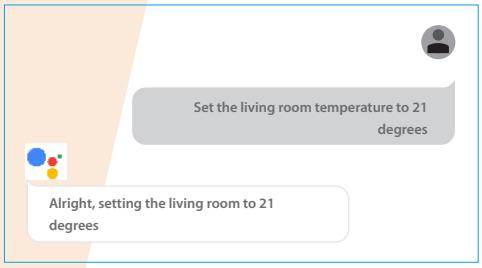
onecta

Voice control

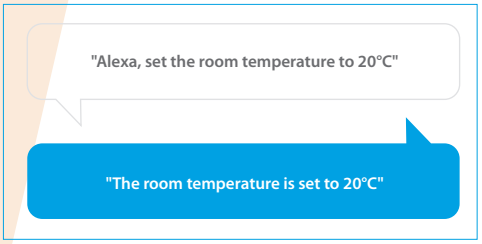
To provide users with even more comfort and ease, the Onecta App now offers voice control. This hands-free feature cuts down on clicks to manage units faster than ever before.
Cross-functional and multilingual, voice control pairs well with any smart device, including Google Assistant and Amazon Alexa.

works with the Google Assistant

amazon alexa



Example of using the voice control via Google Assistant



Scan the QR code to download the app now

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

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.

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

For VRV

	Model #	WLAN
VRV 5 indoor units	FXFA-A	Optional BRP069C51 (1)
	FXZA-A	
	FXKA-A	
	FXDA-A	
	FXSA-A	
	FXMA-A	
	FXHA-A	
	FXUA-A	
	FXAA-A	
	FXNA-A	

(1) MMust be combined with BRC1H52W/S/K

	Model #	WLAN
CO_2 VRV indoor units	FXFN-B	Optional BRP069C51
	FXSN-B	

For Sky Air

	Model #	WLAN
Sky Air	FDXM-F9	Optional BRP069C81 (1)
	FFA-A9	
	FBA-A(9)	
	FDA125A	
	ADEA-A	
	FAA-B	
	FHA-A(9)	
	FUA-A	
	FVA-A	
	FNA-A9	
	FCAG-B	Optional BRP069C82 (2)
	FCAHG-H	
	FDA200-250A	Optional BRP069C82 (3)

(1) Only possible in combination with wired or wireless remote control | (2) EWHAR1 is required if autocleaning panel & Onecta is connected; Cannot be combined with KRP4A53; Only possible in combination with wired or wireless remote control | (3) Cannot be combined with KRP4A51 and KRP2A51

Madoka wired remote controller

The beauty of simplicity.

Madoka

Silver
RAL 9006 (metallic)
BRC1H52S7

Black
RAL 9005 (matte)
BRC1H52K7

White
RAL9003 (glossy)
BRC1H52W7

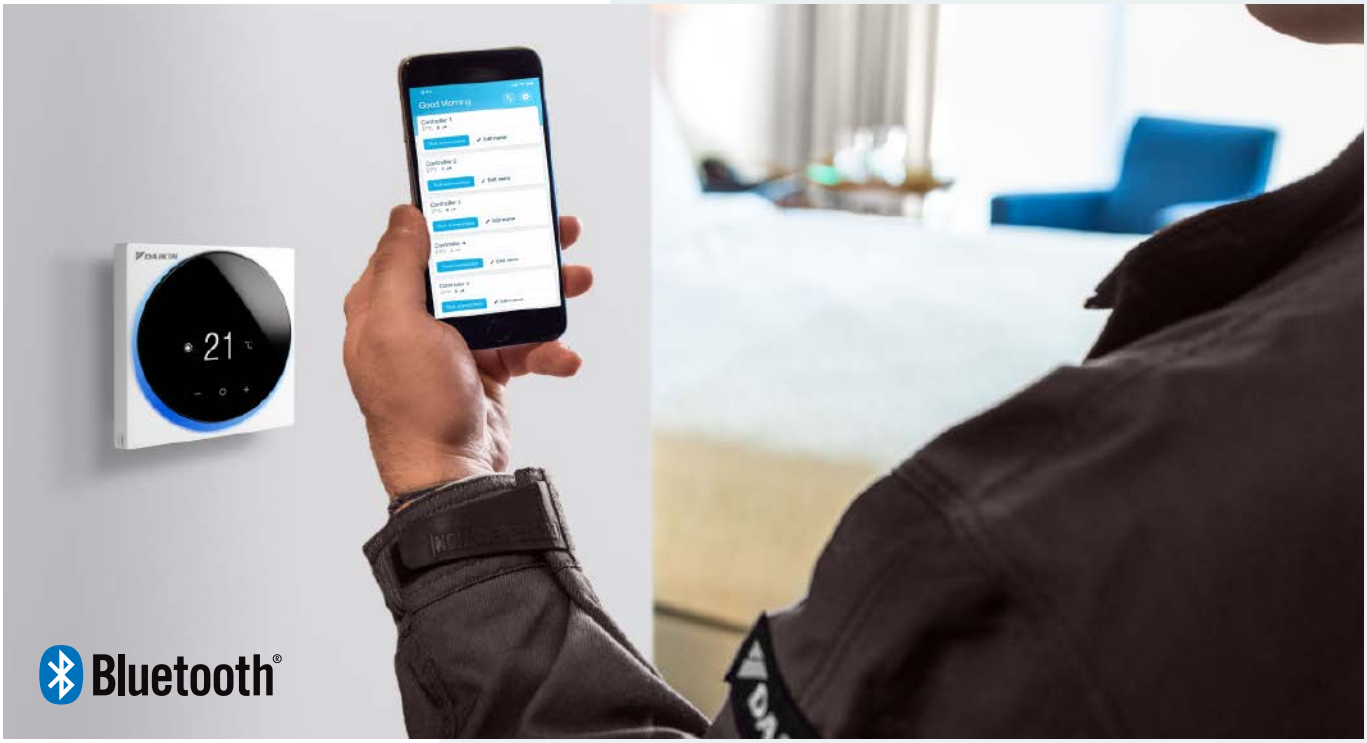
User-friendly wired remote controller with premium design

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
- CO_2 concentration visualisation

reddot award 2018
winner

DESIGN AWARD 2018



Madoka Assistant

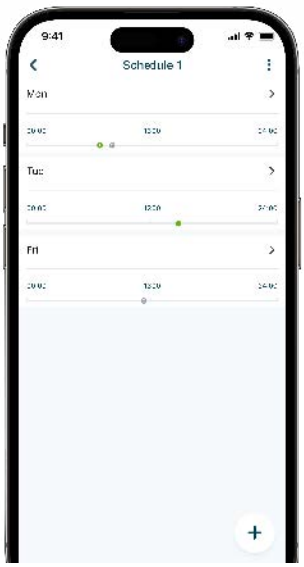
Simplifies the advanced settings such as schedule or set point limitation

- 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

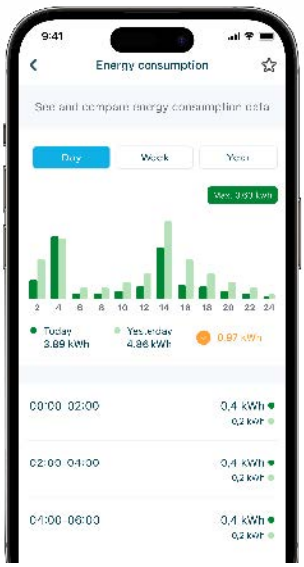
Download the application here:

Control your devices

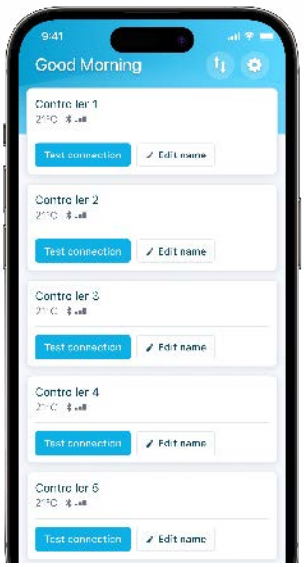
Set schedules



Gain insights



Installer mode



BRC1H52W7 / BRC1H52S7 / BRC1H52K7

Madoka wired remote controller for Sky Air and VRV

BRC1H52W7
Symbollic view

BRC1H52S7
Standard view

BRC1H52K7
CO_2 visualisation

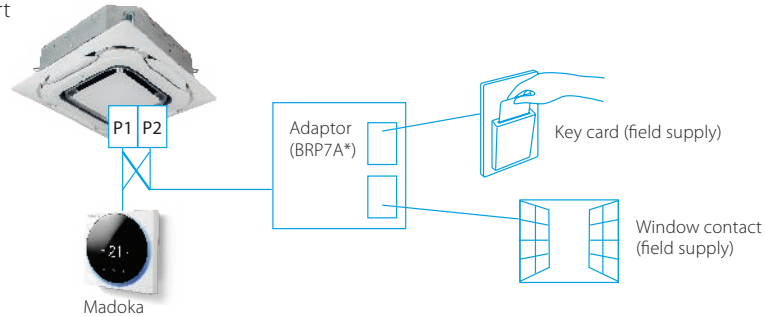
A complete redesigned controller focussed to enhance user experience

- Sleek and elegant design
- Intuitive touch-button control
- Three display options: standard, detailed and **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

Control your devices

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

- 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
- 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

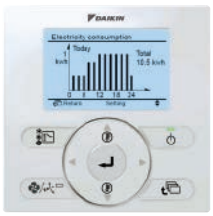
Cost-effective solution for infrastructure cooling applications

- 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

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

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

DUTY ROTATION

(1) Only available on RZAG*, RZASG*, RZQG*, RZQSG*
(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

BRC4*/BRC7*

Infrared remote control

BRC4*/BRC7*

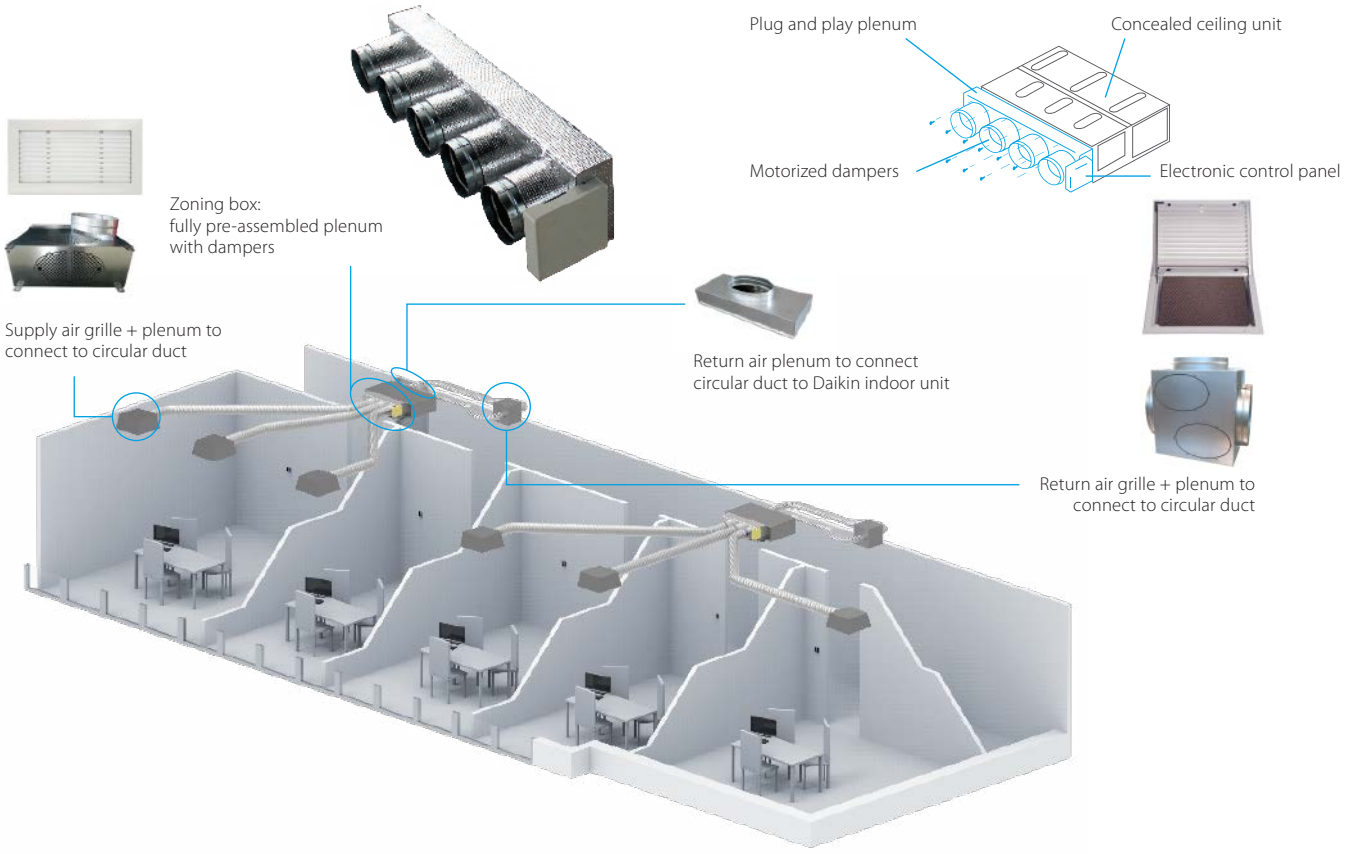
Operation buttons: ON / OFF, timer mode start / stop, timer mode on / off, programme time, temperature setting, air flow direction (1), operating mode, fan speed control, filter sign reset (2), inspection (2)/ test indication (2)
Display: Operating mode, battery change, set temperature, air flow direction (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	35	50	60	FBA-A(9) 35	50	60	71	100	125	140	ADEA-A 71	100	125	VRV IV+ FXDQ-A3 15	20	25	32	40	50	63	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

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 mm^2 | 2 x 0.22 mm^2), 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

DCC601A51

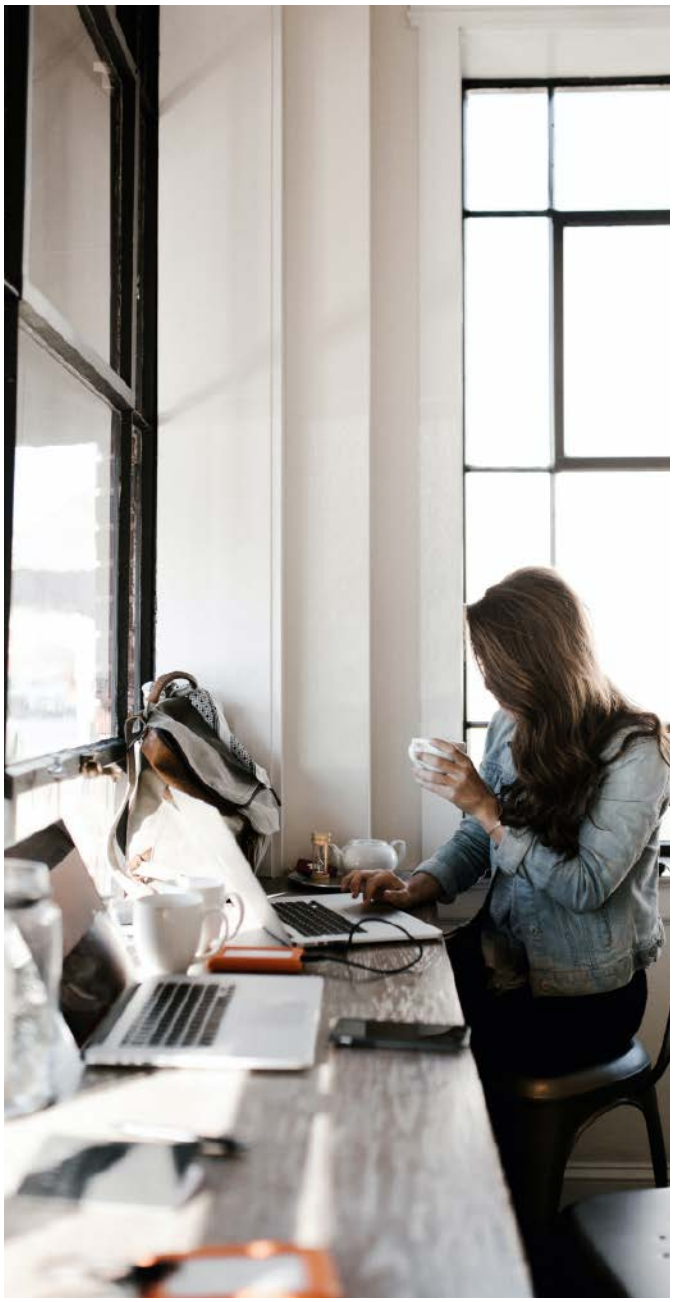
intelligent Tablet Controller

Advanced centralised controller

- Intuitive and user-friendly interface
- Flexible concept for stand alone applications
- Total solution thanks to integration of 3rd party equipment

Local solution

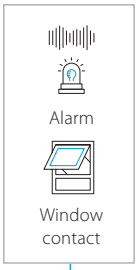
- Offline centralised control
- Stylish optional screen fits any interior



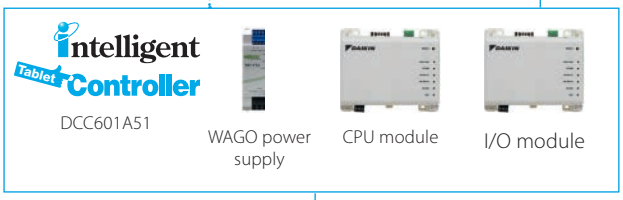
System layout

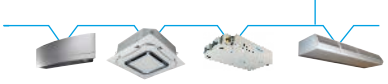
Local solution

AL-CCD07-VESA-1



Pulse input or Digital input





Split, SkyAir, VRV, ventilation, air curtains

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

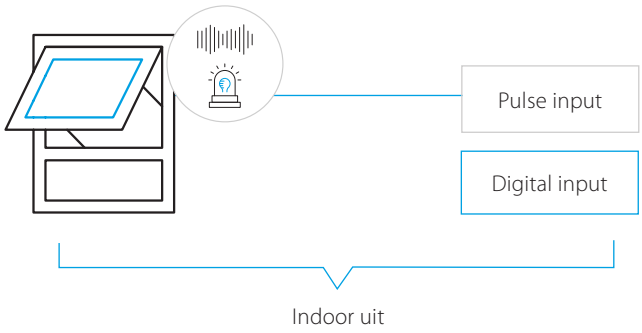
User friendly touch control

- 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, …
- 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
Languages		Depends on local device
System layout	N° of connectable indoor units	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

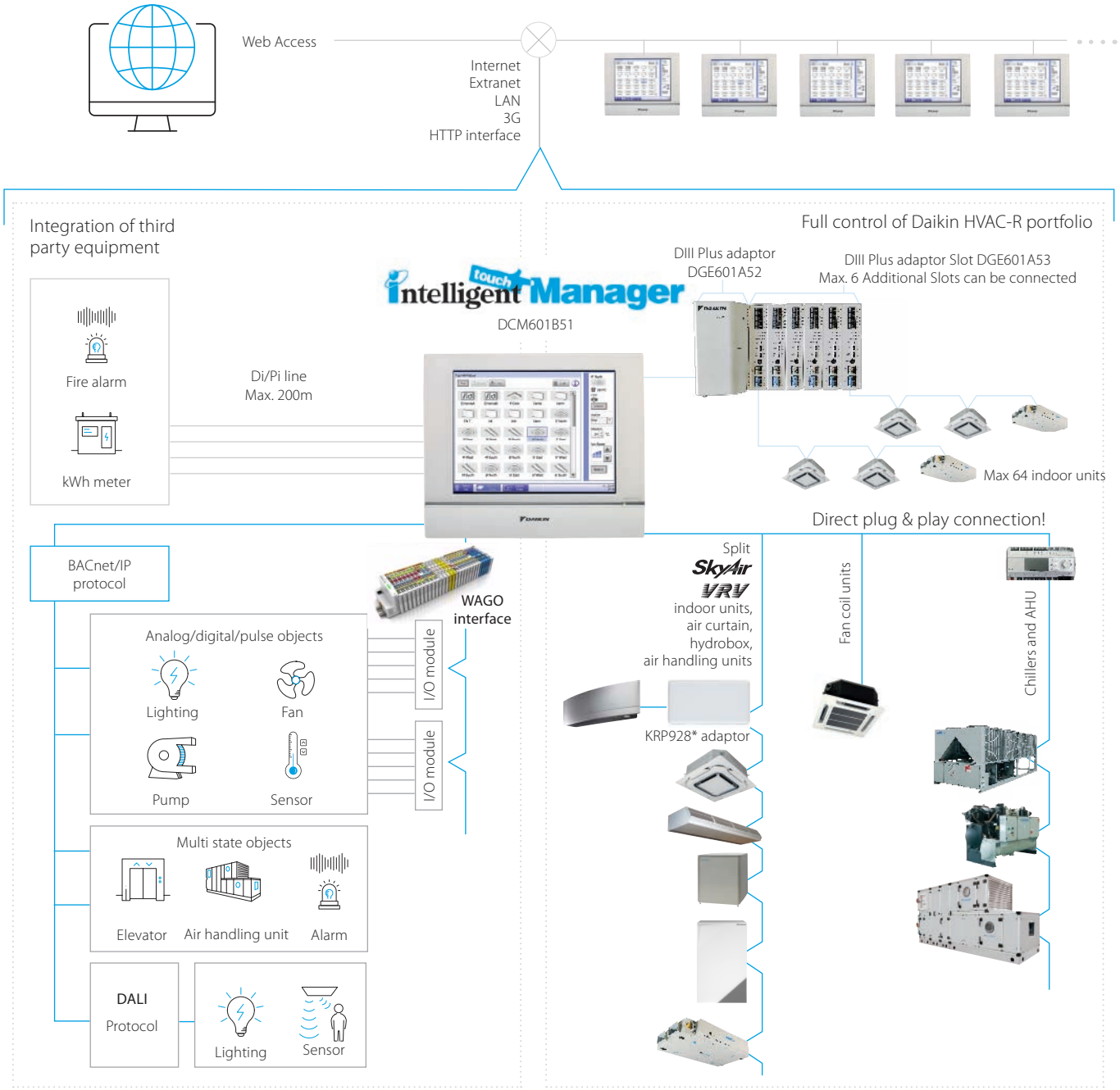
DCM601B51

Mini BMS with full integration across all product pillars

touch intelligent Manager

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

System overview

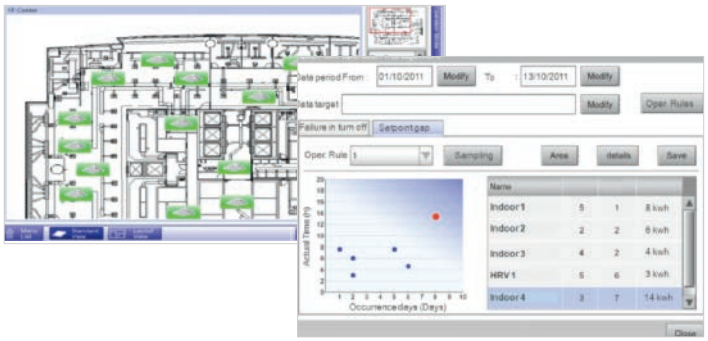


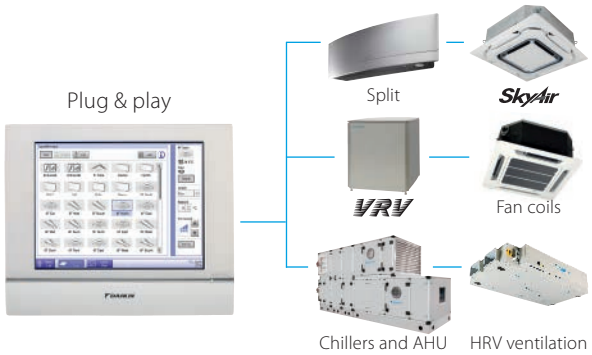
User friendliness
- Intuitive user interface
- Visual lay out view and direct access to indoor unit main functions
- All functions direct accessible via touch screen or via web interface
- Simplified electrical wiring, only one power supply & one connection wiring required

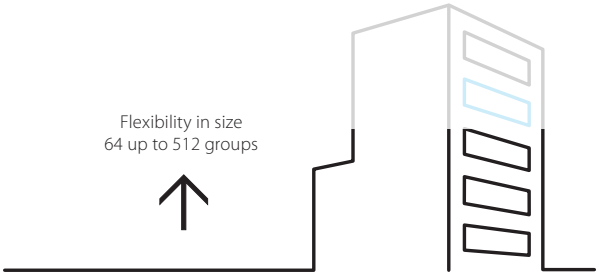
Smart energy management
- Monitoring if energy use is according to plan
- Helps to detect origins of energy waste
- Powerful schedules guarantee correct operation throughout the year
- Save energy by interlocking A/C operation with other equipment such as heating
- Peak Power Cut off Control: Activating 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
- Manage multiple sites

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







Functions overview

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

Control
- Group monitoring and control
- Schedule setting (Weekly schedule, yearly calender, seasonal schedule)
- Interlock control
- Setpoint limitation
- Temperature limit
- Schedule function to activate quiet operation mode on outdoor unit
- Air purification control & Air quality level display (CO_2 level display possible with BRYMA sensor)
- Duty rotation and backup operation
- Remote control prohibition
- Demand control

Management
- Multi site 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
- E-mail notification
- Icon and Floor map view

System layout
- Up to 512 indoor unit groups can be controlled (ITM + 7 iTM Plus adapters)
- Up to 56 connectable outdoor units
- Up to 650 connectable management points (with I/O module)

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

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

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

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)

Introduction to Daikin Cloud Plus

Daikin Cloud Plus is a cloud-based remote control and monitoring solution for Daikin commercial HVAC installations. Using enhanced control, monitoring and predictive logic, Daikin Cloud Plus 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.

The ultimate control over your indoor climate and air quality

- Save energy & reduce costs
- Enhance comfort & satisfaction
- Smart control from anywhere
- Ensure healthy indoor environment
- Maximize uptime (remote prediction, monitor & diagnose)
- Integrates easily with building systems

Supporting your business and helping you succeed

- Maximize comfort and satisfaction of your staff, customers, tenants, …
- Save energy & reduce costs
- Facilitate your sustainability goals
- Cost effective control and energy monitoring of HVAC and other facility systems such as lighting
- Limits the necessity for on-site interventions
- Minimizes downtime and engineer call outs

Benefits

Easy control of multiple sites

- Remote control and manage sites remotely
- Floor plan control per site
- Multi-site access
- Permission based access

Save energy & meet sustainability goals

- Monitor energy consumption trends
- Smart control of systems to save energy
- Insights to improve HVAC system performance
- Reduced costs
- Contribute to carbon neutrality

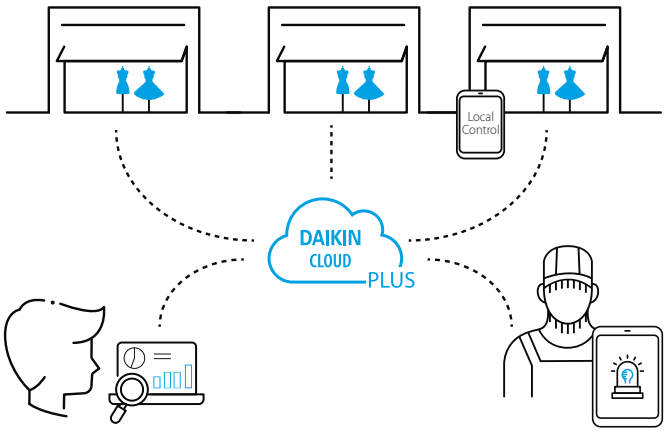
Connectivity and integration possibilities

- Simple to advanced edge controllers
- Various interfaces
- Advanced security

Manage, monitor and control indoor climate from anywhere

- Limits the necessity for on-site control
- Minimizes downtime and engineer call outs
- Optimized maintenance
- Monitoring of indoor air quality

From one to ∞ sites



Customer

Installer/
Technical manager

Ranges

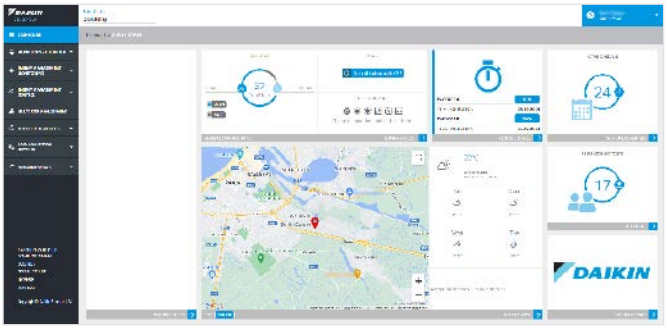
VRV and Sky Air, air curtains. Integration through I/O. BACnet client available in 2024.

- Direct integration with lights and other facility systems using Daikin Cloud Plus as master of the building
- Integration with BMS, Daikin Cloud Plus as part of the system

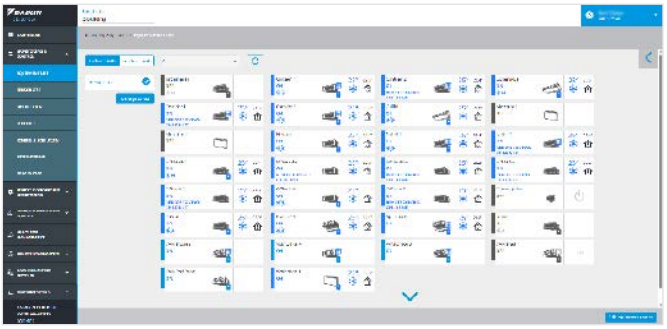
Main applications

Light commercial and commercial systems

Cloud application interface

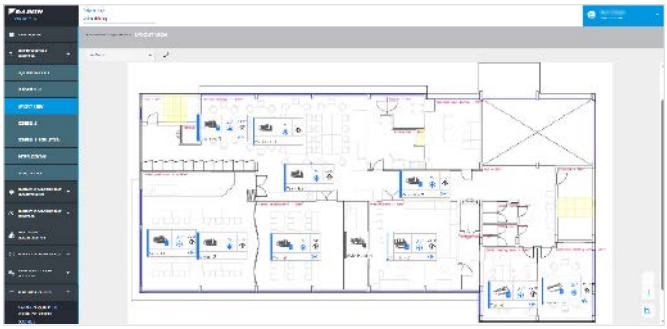


Dashboard



Equipment List

Energy Consumption



Layout View

* Features depend on unit compatibility and region.
Images are indicative and might change if the product evolves.

What can Daikin Cloud Plus do for you?

Were you aware that HVAC systems account for as much as 40% of the total energy consumption in buildings?

- Daikin Cloud Plus logs historical data and allows you to monitor, compare HVAC consumption
- Daikin Cloud Plus allows you to integrate with energy meters so you can monitor not only HVAC but also other energy consumers (facility, gas, water, …)
- Daikin Cloud Plus allows you to configure and control the system smarter to save energy with restrictions, interlocking rules, schedules, etc.

Are you interested in tracking the progress of sustainability goals or the sustainability policies you put into action?

- Daikin Cloud Plus allows you to monitor, analyse and compare HVAC energy consumption
- Daikin Cloud Plus allows you to remote control and manage new cooling or heating related policies (e.g. heating setpoint of 1° lower)

How do you ensure maximum comfort and minimal interruptions of cooling and heating?

- Daikin Cloud Plus can predict failures to anticipate and prevent unplanned downtime of the heating or cooling
- Daikin Cloud Plus real-time system error notifications to ensure a direct response in case something goes wrong
- Daikin Cloud Plus logs all events in the system and visualized the temperature evolutions
- Daikin Cloud Plus remote system access to indoor and outdoor unit operational data reduces engineering visits on site

How to manage and remote control one or multi-site building estate and apply uniformization in climate control?

- Daikin Cloud Plus allows you to monitor, manage and control multiple sites from anywhere
- Daikin Cloud Plus allows to compare multiple sites

How give peace of mind about indoor air quality?

- Daikin Cloud Plus integrates with IAQ sensors and can take automated actions or provide warnings where needed
- Daikin Cloud Plus allows to monitor and analyse the indoor air quality in order to take necessary actions

How to control my other systems at the facility?

- Daikin Cloud Plus provides possibilities to integrate with other facility systems as a stand-alone system, such as integration with lighting system
- Daikin Cloud Plus provides possibilities to integrate with other facility managment systems like BMS or BEMS

Main features

Remote Control, Demand Control and Scheduling

Control and monitor the climate of your buildings at any time, from anywhere. From a web browser, it is possible to adjust your units' parameters, including temperature setpoints, fan speeds, heating or cooling operation modes and much more. All these parameters can be scheduled for maximum convenience during weekdays, weekends, holidays, office hours, opening hours, etc. Schedules are stored on the controller so the units are functioned as scheduled despite the internet connection. Additionally, units can be positioned in a visual floor plan to make it easier to locate an unit and change the setpoints remotely. Demand control reduces the peak consumption with minimal impact on comfort by predicting future needs and adjusting the operational capacity of the units accordingly.

Energy Monitoring

Get detailed visualisation and export energy data of your buildings. Powerful graphs, comparisons and visualisations are available to help you assess the performance and potential improvements to reduce excessive energy and lower your energy costs. Next to detailed energy data of HVAC systems, it is possible to add external meters to measure consumption of lighting and water systems.

Interlocking

Smart rules can be integrated to optimise the operation of your units by setting specific triggers and scheduling necessary actions when these conditions happen. Through "if this, then that" principle, both the comfort of users and the efficiency of units can be optimised. For example, a rule can be: "If a window is open, then after 5 minutes, turn off the air-conditioner". Furthermore, the system enables setting restrictions remotely. For example, a user can only change the temperature between certain limits, which gives users control over their comfort while restricting extreme settings.

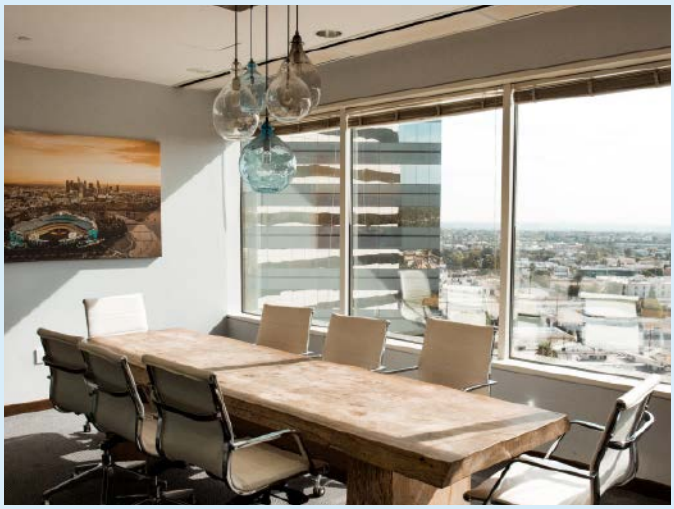
Multi-site Management

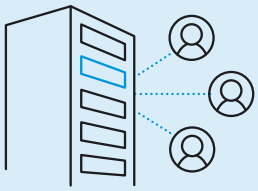
Get a map view of all your sites with status alerts, benchmark and compare sites to one another. From the map view, you can get direct access to each site to monitor and control the site remotely. This helps to reduce site visits and get insights that lead to opportunities for reducing operational costs while maintaining great comfort levels.

Building Integration

Not only HVAC but other facilities in the buildings can be controlled from the central platform. For example, the lighting system can be included in schedules and integrated with interlocking to have one single point of control and optimise energy efficiency for your buildings.

Use cases





For offices

- Setting temperature ranges for office areas to avoid extreme settings by staff
- Detailed energy monitoring and export of data per tenant of different office areas
- Estimation of energy consumption and setting the right pricing for each tenant
- Scheduling and restrict controls to avoid energy waste and save energy costs

Alarm Email Notification

Receive alarm notifications for your sites and stay updated on alarm statuses. View active alarms in the platform and receive email notification containing information about the alarms on the Daikin Cloud Plus platform.

Power Consumption Distribution

Proportional distribution of power consumption allows you to calculate the consumption for specific areas in your buildings. For example, you can calculate how much power is used by a tenant on a certain floor. For this function, energy meters are required.

Remote Field Settings

Field settings of outdoor units can be adjusted remotely. This allows technicians and building operators to adjust, configure and monitor outdoor units from a distance, reducing the need to be at the location, save time and costs associated with travel, labour and maintenance, increase efficiency and overall performance.

Site and Alarm History

Trace schedule trigger units or manual actions that were done on the units and sites. Past events, changes, and adjustments, enabling you to identify trends, gauge performance improvements, and strategise for the future. By drawing from historical data, you'll make informed decisions, adapt strategies, and drive continuous enhancements, revolutionising your HVAC management approach. Get detailed overview of alarms relating to your sites and real-time status of the alarms.

Prediction & Email Notification

Early fault predictive algorithms help to prevent major failures. Based on the alarm and operational data, unit-specific prediction logic allows you to preventively, see whether a unit could run into issues. Prediction logic alarms will be generated in this case, allowing early warnings and ensuring smooth operation.

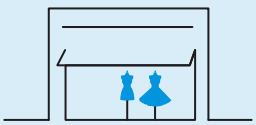
Operational Data Access

Effortlessly monitor, analyse, and fine-tune HVAC parameters remotely, enabling you to make informed decisions on the go. Real-time access to operational data, performance metrics, and energy usage empowers you to adjust settings, troubleshoot anomalies, and maintain peak efficiency, all while minimising the need for physical intervention. Operational data can be downloaded for further analysis and periodical reporting.

Indoor & Outdoor Unit Analysis

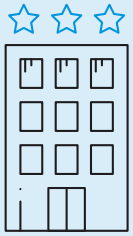
Dive into comprehensive insights into each unit's performance, energy consumption, and environmental impact. Seamlessly compare data across units, pinpointing inefficiencies and optimising your system's overall effectiveness. With a holistic view of indoor and outdoor units, you'll achieve unprecedented levels of operational harmony and energy savings.

* Features depend on unit compatibility and region.
Images are indicative and might change if the product evolves.



For retailers

- Remote control and monitoring of all units in different shops from a centralised platform
- Testing and validating parameters and standardising settings for shops
- Energy visualisations and exports
- Remote control over lightings



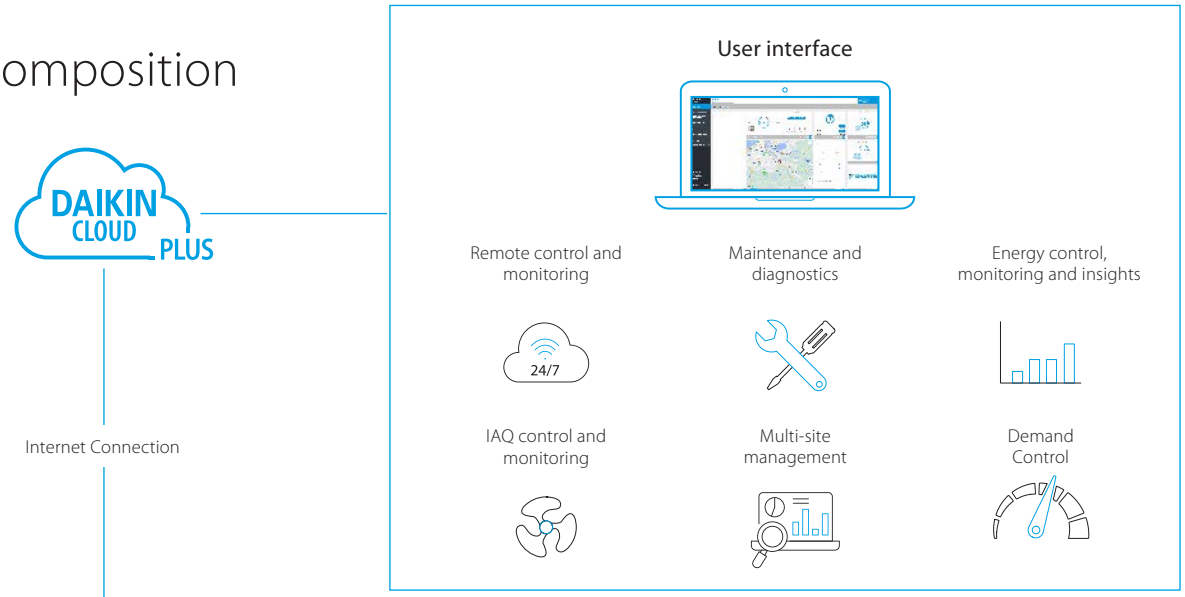
For hotels

- Setting temperature ranges for rooms to avoid extreme settings by guests
- Energy monitoring
- Scalability made easier thanks to standardised system settings

Controllers & accessories

Controllers and their connections

Composition



Building

Limited local app (optional)

Local fallback function in case of internet disconnection

Other connections
WAGO, BACnet, Di/Pi

Edge controller and adapters

1.

DC+ Edge (DGE601A51)

DGPF DIII Plus ADP (DGE601A52)

+

DGPF DIII Plus ADP SLOT (DGE601A53)

2.

DC+ Edge lite (DGE602A51)

Controller Features

				DGE601A51 (Edge)	DGE602A51 (Edge lite)
Controller specification	I/F	DIII	port	2	1
			(Indoor unit connection / port)	64	64
		Ethernet	Internet	1	1
			2nd LAN port (BACnet)	1(N.A. yet)	0
		RS485	WAGO	1	0
		ADP	For DIII NET Plus ADP	1	0
			(Maximum expansion)	6	
		Contact	Di/Pi	8	4
			Do	3	2
	Number of connection	DIII management points	Standard	128	64
			Maximum with ADP	512	-
		Total management points	Including AC and other facilities	1,000	76

Functions overview

Maximum connectable indoor units	512
Maximum connectable management point with I/O module	960
Group monitoring and control	✓
Icon / Floor map view	✓
Timer extension	✓
Error/Status monitoring & history saving	✓
Malfunction prediction logic	✓
IAQ interlocking	✓
IAQ visualization	✓
E-mail error reporting	✓
R/C prohibition	✓
Multisite management	✓
Schedule (Yearly, Monthly, Weekly, Special days)	✓
Interlocking	✓
Advanced power saving function (e.g. demand control)	✓
Remote maintenance	✓
Defrost changeover/Anti-frost*	✓
Target evaporating/condensing temperature*	✓
Capacity priority*	✓
Low noise operation*	✓
Leakage detection alarm*	✓
Proportional power distribution (PPD)	✓
Energy consumption monitoring	✓
3rd Party Integration (IFTTT, Alexa, Siri, etc)	×
Cross-pillar products (e.g. DHW, Chillers)	×

Individual Modbus interfaces

RTD-RA
- Modbus interface for monitoring and control of residential indoor units

DAIKIN MODBUS ADAPTOR SIMPLE (EKMBPP1A) NEW
- Modbus interface for monitoring & control of Sky air, VRV & ventilation units.
- Smart grid control for Sky air indoor units.

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
- 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-W
- Modbus interface for monitoring and control of Daikin Altherma Flex Type, VRV HT hydrobox and small inverter chiller

Daikin HomeHub EKRHH NEW
- Modbus RTU connectivity
- Configuration, control and feedback through the MMI of the Daikin Altherma or Multi+ (DHW) tank

DCOM-LT/MB
- Modbus interface of Daikin Altherma air-to-water heat pumps, hybrid heat pumps and ground source heat pumps

DCOM/LT-IO
- Voltage & resistance control in addition to Modbus

Overview functions





Main functions			RTD-RA	EKMBPP1A	RTD-10	RTD-20	RTD-HO
Dimensions	HxWxD	mm	80x80x37.5	100x100x20		100x100x22	
Key card + window contact							✓
Set back function			✓				✓
Prohibit or restrict remote control functions (setpoint limitation, ...)			✓	✓	✓	✓**	✓
Modbus (RS485)			✓	✓	✓	✓	✓
Group control			✓(1)	✓	✓	✓	✓
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-RA	EKMBPP1A	RTD-10	RTD-20	RTD-HO
On/Off	M,C	M	M,V,R	M	M*
Set point	M	M	M,V,R	M	M*
Mode	M	M	M,V,R	M	M*
Fan	M	M	M,V,R	M	M*
Louver	M	M	M,V,R	M	M*
HRV Damper control		M	M,V,R	M	
Prohibit/Restrict functions	M	M	M,V,R	M	M*
Forced thermo off	M				
Smart Grid Control		M			

Monitoring functions	RTD-RA	EKMBPP1A	RTD-10	RTD-20	RTD-HO
On/Off	M	M	M	M	M
Set point	M	M	M	M	M
Mode	M	M	M	M	M
Fan	M	M	M	M	M
Louver	M	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	M
Fault code	M	M	M	M	M
Return air temperature (Average/Min/Max)	M	M	M	M	M
Filter alarm		M	M	M	M
Termo on	M	M	M	M	M
Defrost		M	M	M	M
Coil In/Out temperature	M	M	M	M	M


Main functions			RTD-W
Dimensions	HxWxD	mm	100x100x22
On/off prohibition			✓
Modbus RS485			✓
Dry contact control			✓
Output signal (operation error)			✓
Space heating / cooling operation			✓
Domestic hot water control			✓
Smart Grid control			
Control functions			
On/Off Space heating/cooling			M,C
Set point leaving water temperature (heating / cooling)			M,V
Room temperature setpoint			M
Operation mode			M
Domestic Hot water ON			
Domestic Hot Water reheat			M,C
Domestic Hot Water reheat setpoint			
Domestic Hot Water storage			M
Domestic Hot Water Booster setpoint			
Quiet mode			M,C
Weather dependent setpoint enable			M
Weather dependent curve shift			M
Fault/pump info relay choice			
Control source prohibition			M
Smart grid mode control			
Prohibit Space heating/cooling			
Prohibit DHW			
Prohibit Electric heaters			
Prohibit All operation			
PV available for storage			
Powerful boost			
Monitoring functions			
▪ On/Off Space heating/cooling			M,C
▪ Set point leaving water temperature (H/C)			M
▪ Room temperature setpoint			M
▪ Operation mode			M
▪ Domestic Hot Water reheat			M
▪ Domestic Hot Water storage			M
▪ Number of units in the group			M
▪ Average leaving water temperature			M
▪ Remocon room temperature			M
▪ Fault			M,C
▪ Fault code			M
▪ Circulation pump operation			M
▪ Flow rate			
▪ Solar pump operation			
▪ Compressor status			M
▪ Desinfection operation			M
▪ Setback operation			M
▪ Defrost/ start up			M
▪ Hot start			
▪ Booster Heater operation			
▪ 3-Way valve status			
▪ Pump running hours accumulated			M
▪ Compressor running hours accumulated			
▪ Actual leaving water temperature			M
▪ Actual return water temperature			M
▪ Actual DHW tank temperature (*)			M
▪ Actual refrigerant temperature			
▪ Actual outdoor temperature			M

Control functions	EKRHH
Leaving water main heating or cooling setpoint	✓
Operation mode	✓
Space heating/cooling ON/OFF	✓
Room thermostat control heating or cooling setpoint	✓
Room thermostat ON/OFF	✓
Quiet mode ON/OFF	✓
DHW reheat set point	✓
DHW reheat ON/OFF	✓
DHW powerful mode ON/OFF	✓
Weather dependent mode and offset	✓
SG operation mode	✓
Power limit during recommended on / buffering	✓
General power limit	✓
Monitoring functions	
Error code	✓
Circulation pump running	✓
Compressor running	✓
Backup heater running	✓
Disinfection operation	✓
Defrost/startup/hot start	✓
Operation mode	✓
Leaving water temperature PHE/BUH	✓
Return water temperature	✓
Domestic hot water temperature	✓
Ambient temperature	✓
Liquid refrigerant temperature	✓
Flowrate	✓
Room temperature	✓
Heat pump power consumption	✓
DHW operation / space heating operation	✓
Leaving water temperature lower and upper limit	✓

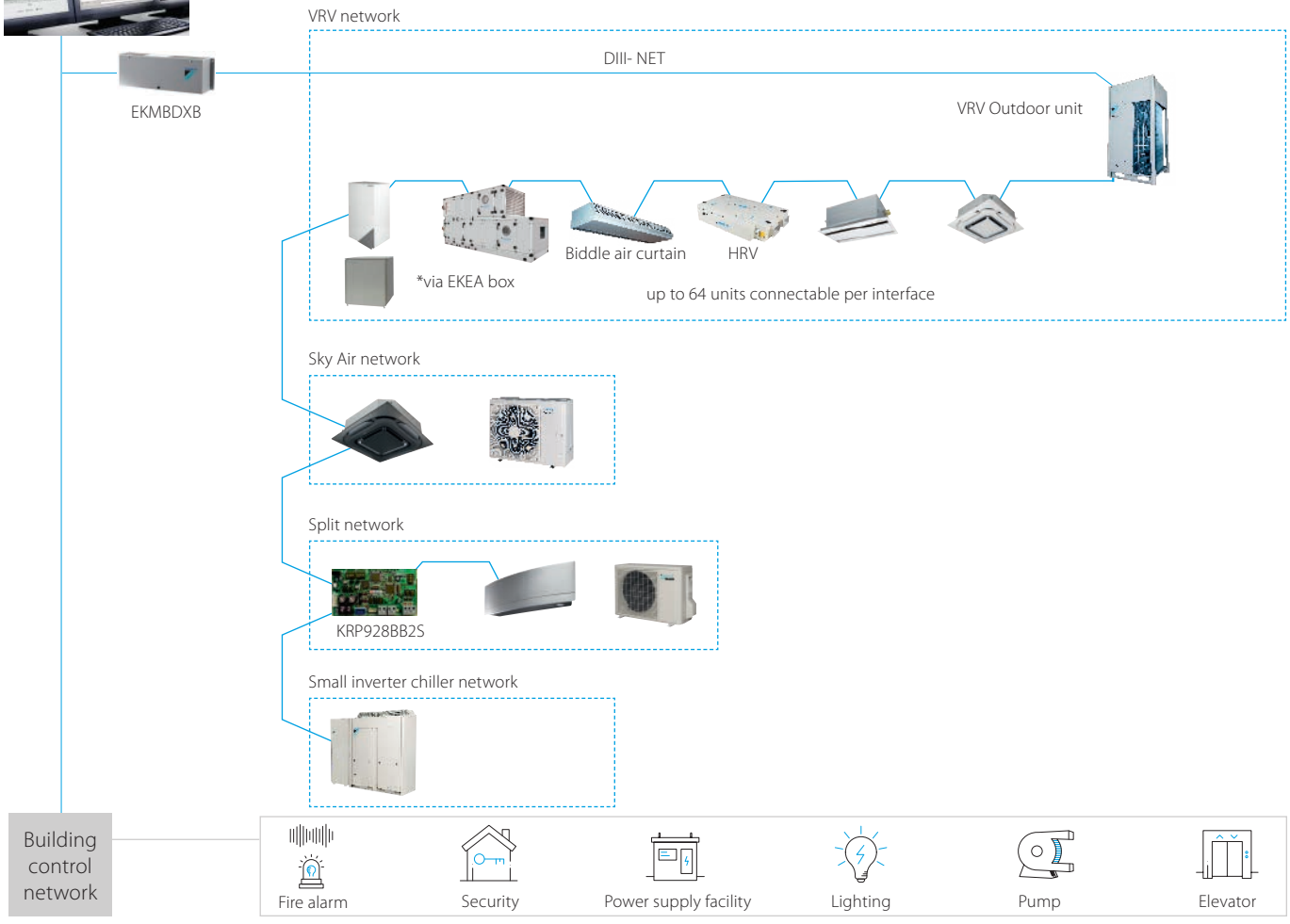
M: Modbus / R: Resistance / V: Voltage / C: control | *: only when room is occupied / **: setpoint limitation / (*) if available | ***: no fan speed control on the CYV air curtain / ****: run & fault

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).



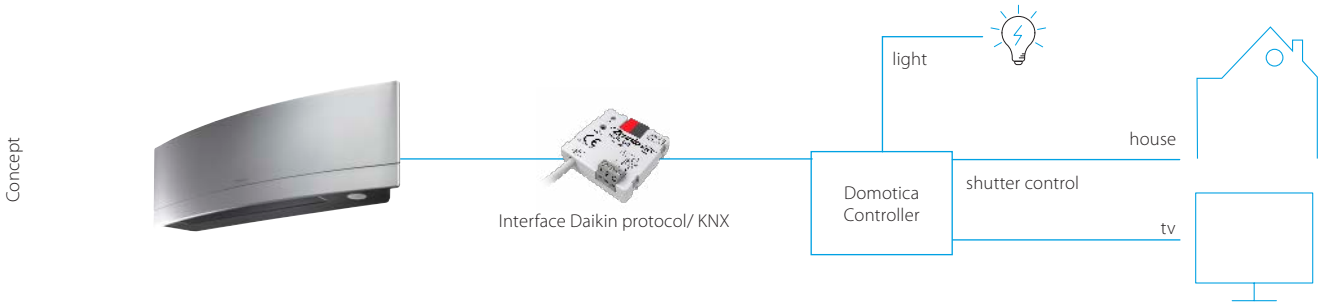
			EKMBDXB7V1
Maximum number of connectable indoor units			64
Maximum number of connectable outdoor units			10
Communication	DIII-NET - Remark		DIII-NET (F1F2)
	Protocol - Remark		2 wire; communication speed: 9,600 bps or 19,200 bps
	Protocol - Type		RS485 (modbus)
	Protocol - Max. Wiring length	m	500
Dimensions	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

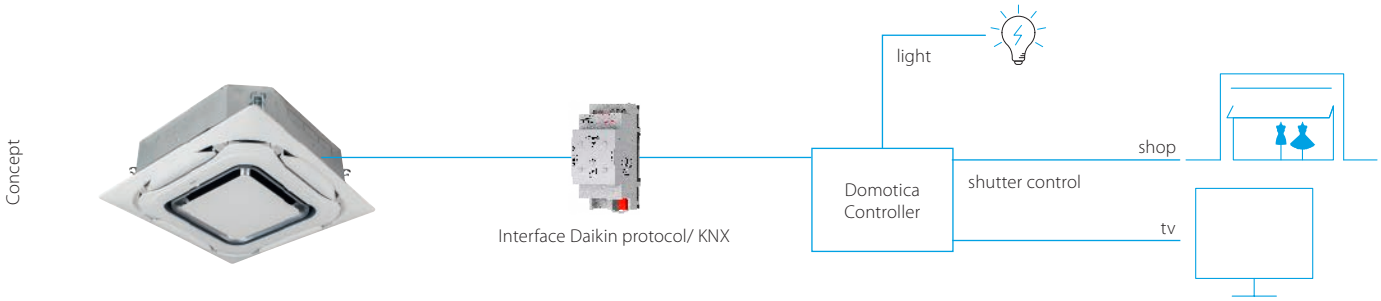
KNX interface

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		•	•

K.RSS

Wireless room temperature sensor for Sky Air and VRV

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)

RF receiver

RF sensor (transmitter)

Specifications

			Wireless room temperature sensor kit (K.RSS)	
			Wireless room temperature receiver	Wireless room temperature sensor
Dimensions		mm	50x50	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 for Sky Air and VRV

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

Specifications

Dimensions (HxW)	mm	60x50
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

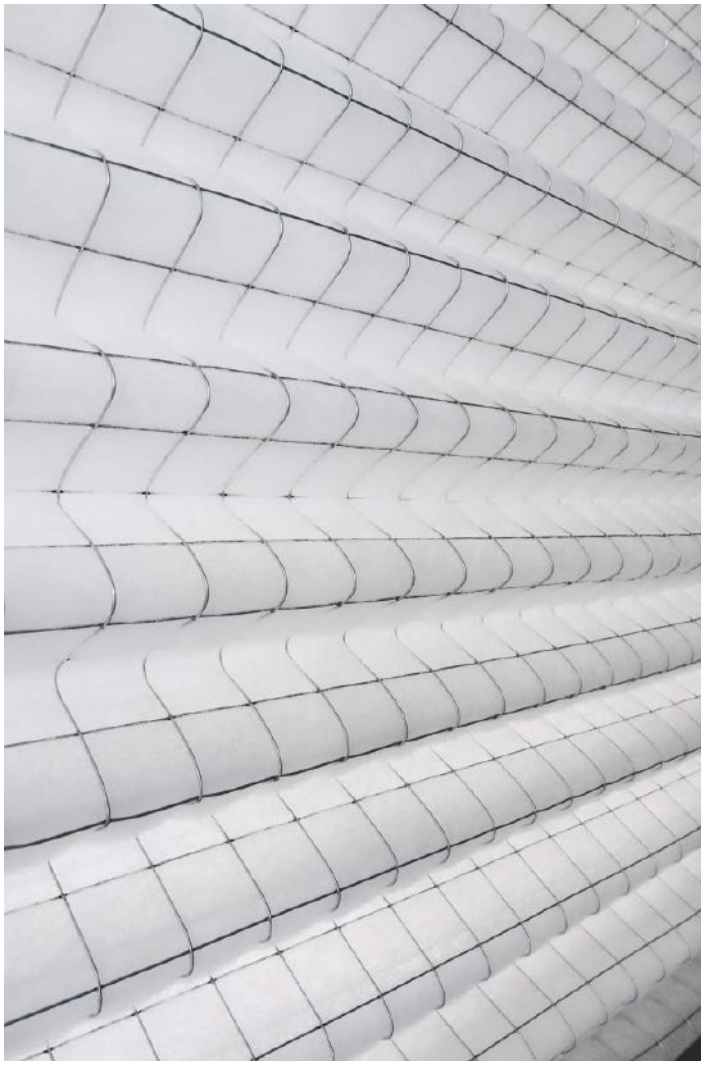
			Connectable to:		
			Split	Sky Air	VRV
	**(E)KRP1B*** adapter for wiring	▪ Facilitates integration of auxiliary heating apparatus, humidifiers, fans, damper ▪ Powered by and installed at the indoor unit		•	•
	**KRP2A*/KRP4A*** Wiring adapter for electrical appendices	▪ Remotely start and stop up to 16 indoor units (1 group) (KRP4A* via F1 F2) ▪ Remotely start and stop up to 128 indoor units (64 groups) (KRP2A* via P1 P2) ▪ 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)	BYFQ60C2W1W (white panel) BYFQ60C2W1S (grey panel) BYFQ60B3W1 (standard panel)		
	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 **BRC1H52W** (9) (White) / **BRC1H52S** (9) (Silver) / **BRC1K552K** (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**	EKMBPP1 - 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		•	•	•	•
Building Management System & Standard protocol interfaces – **for central control**	DCM601B51 - intelligent Touch Manager		•	•	•	•
	DGE601A51 - Edge adapter for connection to Daikin Cloud Plus		•	•	•	•
	DGE602A51 - Edge lite adapter for connection to Daikin Cloud Plus		•	•	•	•
	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 virusses, bacteria, fine dust, odours, allergens, etc ensuring a healthy indoor environment)	UV Streamer kit	BAEF125AWB (22)			
		Replacement filter	BAF55A125			
	High efficiency filter		ePM10 60% BAF552AA160 (23) (BAF552AA160-5: box of 5 filters) (BAF552AA160-10: box of 10 filters)			
	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.
(9) This option cannot be used with RR and RQ models

FDA125A	FDA200-250A	ADEA-A	FAA-B	FTXM-A	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)	•	•	•	•
•	•	•	•	• (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) / KRP413BB1S (15)			KRP1B57 (10)	
KRP1C64 (8)	KRP1C65	KRP1B54			KRP1B54 (10)			
EKRP1B2 (7)	EKRP1C13	EKRP1B2 (7)						KRP1B56
KRP2A51 (8)	KRP2A51 (17)	KRP2A51 (7)(10)						
		KRP4A52 (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)						

(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
(23) Only possible in combination with BYCQ140E/EW/EB. Cannot be combined with other filters, chambers, fresh air intake kits or discharge outlet sealing member kit

Options - Sky Air

		R-32				
		RZAG-B	**RZAG-NV1/NY1**	**RZASG-MV(1)/MY(1)**	**RZA-D**	**AZAS-MV/MY**
Refrigerant branch piping (3)	for twin		KHRQ58T (imperial size)	KHRQ58T (imperial size)	KHRQ22M20TA (imperial size)	
	for triple		KHRQ58H (imperial size)	KHRQ58H (100 - 140) (imperial size)	KHRQ250H7 (imperial size)	
	for double twin		KHRQ58T (3x) (125 - 140) (imperial size)	KHRQ58T (3x) (125 - 140) (imperial size)	KHRQ22M20TA (x3) (imperial size)	
	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			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

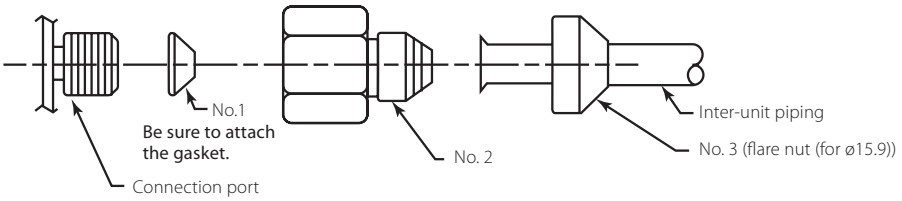
Drain pan	EKLN140-DP
Drain pan heater tape	EKLN140-DPHT (1)

(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		•	
	FTXM50A		•	
	FHA50A9		•	
RZAG60A	FBA71A9	•		
	FCAG71B	•		•
	FTXM71A			•
	FHA71A9	•		•

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



Options - Rooftop

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 UATYAE-PM1050B	3x UATYAEP-M1050A + 3x UATYAE-PM1050B	3x UATYAEP-M1050B	12x UATYAEP-M1050C	12x UATYAEP-M1050C	2x UATYAEP-M1050A + 2x UATYAE-PM1050B	3x UATYAEP-M1050A + 3x UATYAE-PM1050B	3x UATYAEP-M1050B	12x UATYAEP-M1050C	12x UATYAEP-M1050C	12x UATYAEP-M1050C	2x UATYAEP-M1050A + 2x UATYAE-PM1050B	3x UATYAEP-M1050A + 3x UATYAE-PM1050B	3x UATYAEP-M1050B	12x UATYAEP-M1050C	12x UATYAEP-M1050C	12x UATYAEP-M1050C	12x UATYAEP-M1050C
	Filter ISO ePM10 75% (M6)	2x UATYAEPM-1075PA + 2x UATYAEP-M1075PB	3x UATYAEPM-1075PA + 3x UATYAEP-M1075PB	3x UATYAEP-M1075PB	12x UATYAEP-M1075PC	12x UATYAEP-M1075PC	2x UATYAEPM-1075PA + 2x UATYAEP-M1075PB	3x UATYAEPM-1075PA + 3x UATYAEP-M1075PB	3x UATYAEP-M1075PB	12x UATYAEP-M1075PC	12x UATYAEP-M1075PC	12x UATYAEP-M1075PC	2x UATYAEPM-1075PA + 2x UATYAEP-M1075PB	3x UATYAEPM-1075PA + 3x UATYAEP-M1075PB	3x UATYAEP-M1075PB	12x UATYAEP-M1075PC	12x UATYAEP-M1075PC	12x UATYAEP-M1075PC	12x UATYAEP-M1075PC
	Filter ISO ePM1 50% (F7)	2x UATYAEPM-150PA + 2x UATYAEP-M150PB	3x UATYAEPM-150PA + 3x UATYAEP-M150PB	3x UATYAEP-M150PB	12x UATYAEP-M150PC	12x UATYAEP-M150PC	2x UATYAEPM-150PA + 2x UATYAEP-M150PB	3x UATYAEPM-150PA + 3x UATYAEP-M150PB	3x UATYAEP-M150PB	12x UATYAEP-M150PC	12x UATYAEP-M150PC	12x UATYAEP-M150PC	2x UATYAEPM-150PA + 2x UATYAEP-M150PB	3x UATYAEPM-150PA + 3x UATYAEP-M150PB	3x UATYAEP-M150PB	12x UATYAEP-M150PC	12x UATYAEP-M150PC	12x UATYAEP-M150PC	12x UATYAEP-M150PC
	Rigid bag filter ISO ePM10 70% (M6)	2x UATYAEP-M1070A + 2x UATYAE-PM1070B	3x UATYAEP-M1070A + 3x UATYAE-PM1070B	6x UATYAEP-M1070B	12x UATYAEP-M1070C	12x UATYAEP-M1070C	2x UATYAEP-M1070A + 2x UATYAE-PM1070B	3x UATYAEP-M1070A + 3x UATYAE-PM1070B	6x UATYAEP-M1070B	12x UATYAEP-M1070C	12x UATYAEP-M1070C	12x UATYAEP-M1070C	2x UATYAEP-M1070A + 2x UATYAE-PM1070B	3x UATYAEP-M1070A + 3x UATYAE-PM1070B	6x UATYAEP-M1070B	12x UATYAEP-M1070C	12x UATYAEP-M1070C	12x UATYAEP-M1070C	12x UATYAEP-M1070C
	Rigid bag filter ISO ePM1 50% (F7)	2x UATYAEP-M150A + 2x UATYAE-PM150B	3x UATYAEP-M150A + 3x UATYAE-PM150B	6x UATYAEP-M150B	12x UATYAEP-M150C	12x UATYAEP-M150C	2x UATYAEP-M150A + 2x UATYAE-PM150B	3x UATYAEP-M150A + 3x UATYAE-PM150B	6x UATYAEP-M150B	12x UATYAEP-M150C	12x UATYAEP-M150C	12x UATYAEP-M150C	2x UATYAEP-M150A + 2x UATYAE-PM150B	3x UATYAEP-M150A + 3x UATYAE-PM150B	6x UATYAEP-M150B	12x UATYAEP-M150C	12x UATYAEP-M150C	12x UATYAEP-M150C	12x UATYAEP-M150C
	Rigid bag filter ISO ePM1 85% (F9)	2x UATYAEP-M185A + 2x UATYAE-PM185B	3x UATYAEP-M185A + 3x UATYAE-PM185B	6x UATYAEP-M185B	12x UATYAEP-M185C	12x UATYAEP-M185C	2x UATYAEP-M185A + 2x UATYAE-PM185B	3x UATYAEP-M185A + 3x UATYAE-PM185B	6x UATYAEP-M185B	12x UATYAEP-M185C	12x UATYAEP-M185C	12x UATYAEP-M185C	2x UATYAEP-M185A + 2x UATYAE-PM185B	3x UATYAEP-M185A + 3x UATYAE-PM185B	6x UATYAEP-M185B	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

		Energy recovery ventilation - VAM								
		VAM 150FC9	VAM 250FC9	VAM 350J8	VAM 500J8	VAM 650J8	VAM 800J8	VAM 1000J8	VAM 1500J8	VAM 2000J8
Individual control systems	**BRC301B61** VAM wired remote control	•	•	•	•	•	•	•	•	•
	Madoka **BRC1H52W7** (White) / **BRC1H52S7** (Silver) / **BRC1H52K7** (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	•	•	•	•	•	•	•	•	•
	DGE601A51 Edge adapter for connection to Daikin Cloud Plus	•	•	•	•	•	•	•	•	•
	DGE602A51 Edge lite adapter for connection to Daikin Cloud Plus	•	•	•	•	•	•	•	•	•
	EKMBDXB Modbus interface	•	•	•	•	•	•	•	•	•
	DMS502A51 BACnet Interface	•	•	•	•	•	•	•	•	•
	DMS504B51 LonWorks Interface	•	•	•	•	•	•	•	•	•
Filters	Coarse 55% (G4)									
	ePM10 75% (M5)									
	ePM10 70% (M6)			EKAFVJ50F6	EKAFVJ50F6	EKAFVJ65F6	EKAFVJ100F6	EKAFVJ100F6	EKAFVJ100F6 x2	EKAFVJ100F6 x2
	ePM1 50% (F7)									
	ePM1 60% (F7)			EKAFVJ50F7	EKAFVJ50F7	EKAFVJ65F7	EKAFVJ100F7	EKAFVJ100F7	EKAFVJ100F7 x2	EKAFVJ100F7 x2
	ePM1 70% (F8)			EKAFVJ50F8	EKAFVJ50F8	EKAFVJ65F8	EKAFVJ100F8	EKAFVJ100F8	EKAFVJ100F8 x2	EKAFVJ100F8 x2
	ePM1 80% (F9)									
	High efficiency filter									
	Replacement air filter									
Mechanical accessories	Rail									
	Rectangular to round duct transition									
	Separate plenum								EKPLEN200 (5)	EKPLEN200 (5)
CO_2 sensor				BRYMA65	BRYMA65	BRYMA65	BRYMA100	BRYMA100	BRYMA200	BRYMA200
Electrical heater for pre treatment of fresh air		GSIEKA10009	GSIEKA15018	GSIEKA20024	GSIEKA20024	GSIEKA25030	GSIEKA25030	GSIEKA25030	GSIEKA35530 (6)	
DX coil for post treatment of fresh air					EKVDX32A	EKVDX50A	EKVDX50A	EKVDX80A	EKVDX100A	EKVDX100A
Silencer (900mm depth)										
Electrical accessories	Wiring adapter for external monitoring/ control (controls 1 entire system)	KRP2A51 (2)	KRP2A51 (2)	KRP2A51 (2)	KRP2A51 (2)	KRP2A51 (2)	KRP2A51 (2)	KRP2A51 (2)	KRP2A51 (2)	KRP2A51 (2)
	Adapter PCB for humidifier									
	Adapter PCB for third party heater	BRP4A50A	BRP4A50A	BRP4A50A (4)	BRP4A50A (4)	BRP4A50A (3/4)	BRP4A50A (4)	BRP4A50A (4)	BRP4A50A (3/4)	BRP4A50A (3/4)
	External wired temperature sensor									
	Adapter PCB Mounting plate	EKMP25VAM	EKMP25VAM			EKMP65VAM			EKMPVAM	
	Installation box for adaptor PCB	KRP1BA101	KRP1BA101	KRP1BA101	KRP1BA101	KRP1BA101	KRP1BA101	KRP1BA101	KRP1BA101	KRP1BA101

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

(7) To be combined with option BRP4A50A using external 230VAC with local supplied circuit breaker (max. 3A)

Energy recovery ventilation VKM			Air handling unit applications
VKM 50GBM	VKM 80GBM	VKM 100GBM	EKEACB (1)
•	•	•	•
•	•	•	
•	•	•	
•	•	•	
•	•	•	
•	•	•	
•	•	•	
•	•	•	•
•	•	•	•
•	•	•	•
•	•	•	•
•	•	•	
•	•	•	
KAF242H80M	KAF242H100M	KAF242H100M	
KAF241H80M	KAF241H100M	KAF241H100M	
BRYMA65	BRYMA100	BRYMA100	
GSIEKA20024 (7)	GSIEKA20024 (7)	GSIEKA20024 (7)	
BRP4A50A (4)	BRP4A50A (4)	BRP4A50A (4)	
BRP4A50A (4)	BRP4A50A (4)	BRP4A50A (4)	
BRP4A50A (4)	BRP4A50A (4)	BRP4A50A (4)	
			KRCS01-1

Options - Ventilation

Accessories	Compact L Pro						Compact T Pro				
	ALB02LCM ALB02RCM	**ALB03LCM ALB03RCM**	**ALB04LCM ALB04RCM**	**ALB05LCM ALB05RCM**	**ALB06LCM ALB06RCM**	**ALB07LCM ALB07RCM**	**ATB03RBM ATB03LBM**	**ATB04RBM ATB04LBM**	**ATB05RBM ATB05LBM**	**ATB06RBM ATB06LBM**	**ATB07RBM ATB07LBM**
Iso Coarse 55% (G4) Filter	ALF02G4A	ALF03G4A	ALF05G4A		ALF07G4A		ATF03G4A	ATF04G4A	ATF05G4A	ATF06G4A	ATF07G4A
ePM10 75% (M5) Filter	ALF02M5A	ALF03M5A	ALF05M5A		ALF07M5A		ATF03M5A	ATF04M5A	ATF05M5A	ATF06M5A	ATF07M5A
ePM1 50% (F7) Filter	ALF02F7A	ALF03F7A	ALF05F7A		ALF07F7A		ATF03F7A	ATF04F7A	ATF05F7A	ATF06F7A	ATF07F7A
ePM1 80% (F9) Filter	ALF02F9A	ALF03F9A	ALF05F9A		ALF07F9A		ATF03F9A	ATF04F9A	ATF05F9A	ATF06F9A	ATF07F9A
Sound attenuator	ALS0290A	ALS0390A	ALS0590A		ALS0790A		ATS0360A	ATS0460A	ATS0560A	ATS0660A	ATS0760A
Rails for door	ALA02RLA	ALA03RLA	ALA05RLA		ALA07RLA						
Duct transition	ALA02RCA	ALA03RCA	ALA05RCA		ALA07RCA						
Flexible joints	ALA02FXB	ALA03FXB	ALA05FXB		ALA07FXB						
Mixing damper									ATA05MDA	ATA06MDA	ATA07MDA
External damper	ALA02EDA	ALA03EDA	ALA05EDA		ALA07EDA		ATA03EDA	ATA04EDA	ATA05EDA	ATA06EDA	ATA07EDA
Electric pre heater [1]	ALD02HEFA	ALD03HEFA	ALD05HEFA		ALD07HEFA		ATD03HEFAU	ATD04HEFAU	ATD05HEFAU	ATD06HEFAU	ATD07HEFAU
Electric post heater [1]	ALD02HESA	ALD03HESA	ALD05HESA		ALD07HESA		ATD03HESAU	ATD04HESAU	ATD05HESAU	ATD06HESAU	ATD07HESAU
DX coil [2]			ALD05CDSA		ALD07CDSA		ATD03UDSAR	ATD04UDSAR	ATD05UDSAR	ATD06UDSAR	ATD07UDSAR
							ATD03UDSAL	ATD04UDSAL	ATD05UDSAL	ATD06UDSAL	ATD07UDSAL
								ATD04UDSBL	ATD05UDSBL	ATD06UDSBL	ATD07UDSBL
								ATD04UDSBR	ATD05UDSBR	ATD06UDSBR	ATD07UDSBR
WATER coil [2]	ALD02CWSA	ALD03CWSA	ALD05CWSA		ALD07CWSA		ATD03UWSAR	ATD04UWSAR	ATD05UWSAR	ATD06UWSAR	ATD07UWSAR
							ATD03UWSAL	ATD04UWSAL	ATD05UWSAL	ATD06UWSAL	ATD07UWSAL
Water pre heating coil	ALD02HWUA	ALD03HWUA	ALD05HWUA		ALD07HWUA		ATD03HWFAU	ATD04HWFAU	ATD05HWFAU	ATD06HWFAU	ATD07HWFAU
Water post heating coil [2]	ALD02HWUA	ALD03HWUA	ALD05HWUA		ALD07HWUA		ATD03HWSAR	ATD04HWSAR	ATD05HWSAR	ATD06HWSAR	ATD07HWSAR
							ATD03HWSAL	ATD04HWSAL	ATD05HWSAL	ATD06HWSAL	ATD07HWSAL
Droplet Eliminator	ALA02DEA	ALA03DEA	ALA05DEA		ALA07DEA						
Water valve 2 way cooling/heating	ALV02CW2A	ALV03CW2A	ALV05CW2A		ALV07CW2A		ATV03CW2A	ATV04CW2A	ATV05CW2A	ATV06CW2A	ATV07CW2A
Water valve 3 way cooling/heating	ALV02CW3A	ALV03CW3A	ALV05CW3A		ALV07CW3A		ATV03CW3A	ATV04CW3A	ATV05CW3A	ATV06CW3A	ATV07CW3A
Valve modulating actuator	ATE00AMVA										
Damper modulating actuator	ATE00AMDA										
Digital PCB							ATE00DPUA				
Spring return modulating actuator	AUE00ASUA										
Frost switch	ALE00FSUA						ATE00FSUA				
CO_2 sensor	ALP00COA										
Humidity sensor	ALP00HUA										
Temperature probe	ALP00TEA										
Pressure transducer	AUE00PTUA										
Room Interface	ALC00822A (POL 822)										
Commissioning module	ALC00895A (POL 895)										
Modbus RTU module	ALC00902A (POL 902)										
Bacnet IP module	ALC00908A (POL 908)										
Expansion module	ALC00955A										
LonWorks Interface											
Intelligent Touch Manager											
Intelligent Tablet Controller											
Intelligent Touch Controller											
Central remote control											
Unified ON/OFF control											

Notes
(1) For Compact T pro only, both electric heater can be used as pre and post heater
(2) For Compact T pro only, sixth digit on main unit material name has to be aligned with last digit of the coil material name (with the exception of the electric heater and water pre heating coil)
ATB0***R**BM --> ATB0*UDSA**R**
ATB0***R**BM --> ATB0*UDSB**R**
ATB0***R**BM --> ATB0*UWSA**R**
ATB0***R**BM --> ATB0*HWSA**R**
ATB0***L**BM --> ATB0*UDSA**L**
ATB0***L**BM --> ATB0*UDSB**L**
ATB0***L**BM --> ATB0*UWSA**L**
ATB0***L**BM --> ATB0*HWSA**L**
(3) Please refer to the selection software for more details on accessories and their incompatibilities.

Compact L Smart						Compact T Smart				
ALB02LCS ALB02RCS	**ALB03LCS ALB03RCS**	**ALB04LCS ALB04RCS**	**ALB05LCS ALB05RCS**	**ALB06LCS ALB06RCS**	**ALB07LCS ALB07RCS**	**ATB03RBS ATB03LBS**	**ATB04RBS ATB04LBS**	**ATB05RBS ATB05LBS**	**ATB06RBS ATB06LBS**	**ATB07RBS ATB07LBS**
ALF02G4A	ALF03G4A	ALF05G4A		ALF07G4A		ATF03G4A	ATF04G4A	ATF05G4A	ATF06G4A	ATF07G4A
ALF02M5A	ALF03M5A	ALF05M5A		ALF07M5A		ATF03M5A	ATF04M5A	ATF05M5A	ATF06M5A	ATF07M5A
ALF02F7A	ALF03F7A	ALF05F7A		ALF07F7A		ATF03F7A	ATF04F7A	ATF05F7A	ATF06F7A	ATF07F7A
ALF02F9A	ALF03F9A	ALF05F9A		ALF07F9A		ATF03F9A	ATF04F9A	ATF05F9A	ATF06F9A	ATF07F9A
ALS0290A	ALS0390A	ALS0590A		ALS0790A		ATS0360A	ATS0460A	ATS0560A	ATS0660A	ATS0760A
ALA02RLA	ALA03RLA	ALA05RLA		ALA07RLA						
ALA02RCA	ALA03RCA	ALA05RCA		ALA07RCA						
ALA02FXB	ALA03FXB	ALA05FXB		ALA07FXB						
ALD02HEFB	ALD03HEFB	ALD05HEFB		ALD07HEFB		ATD03HEFBU	ATD04HEFBU	ATD05HEFBU	ATD06HEFBU	ATD07HEFBU
BRYMA200										
BRC301B61 / BRC1H52W7 / BRC1H52S7 / BRC1H52K7 / BRC1E53A / BRC1E53B / BRC1E53C / BRC1D52										
EKMBDXB										
DMS502A51										
DMS504B51										
DCM601A51										
DCC6011A51										
DCC6011C51										
DCS302C51										
DCS301B51										

Options - Control systems

Individual and centralised controls

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

(1) recommended as wider (more stable mounting)

Intelligent Tablet Controller - DCC601A51

		Intelligent Tablet Controller
		Options for local control
Wired screen for local control	AL-CCD07-VESA-1	•
Commissioning tool		•
Software update tool		•

Standard protocol interfaces - DMS502A51

		BACnet Interface
DIII-net expansion board (2 ports), connects up to 128 additional indoor units	DAM411B51	•
Digital pulse inputs (12) for PPD functionality	DAM412B51	•

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

Online and offline VRV selection software

Business portal via mobile or desktop

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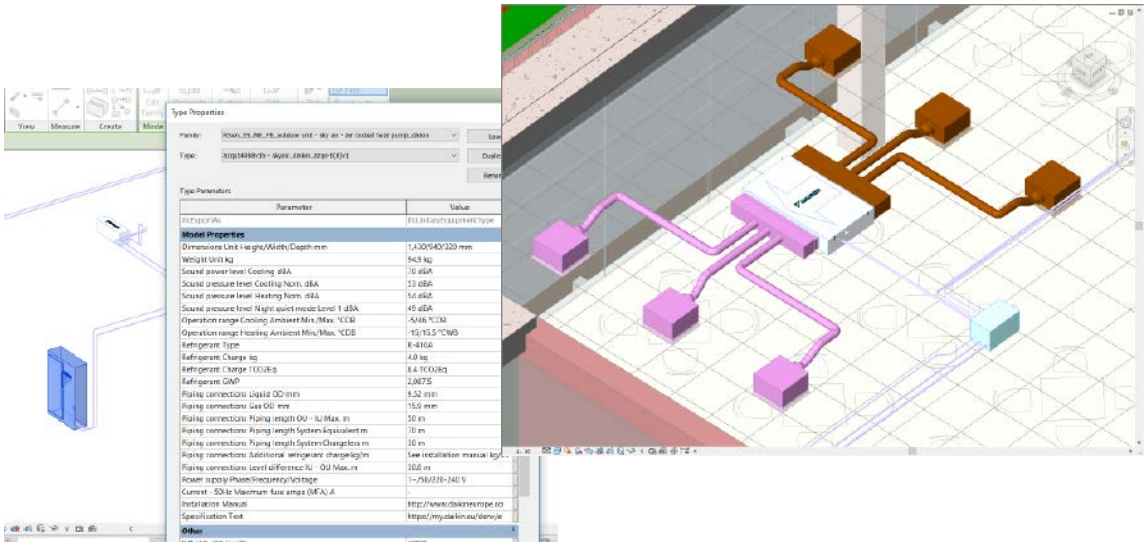

Full BIM object library available

bim.daikin.eu

Tools
& platforms

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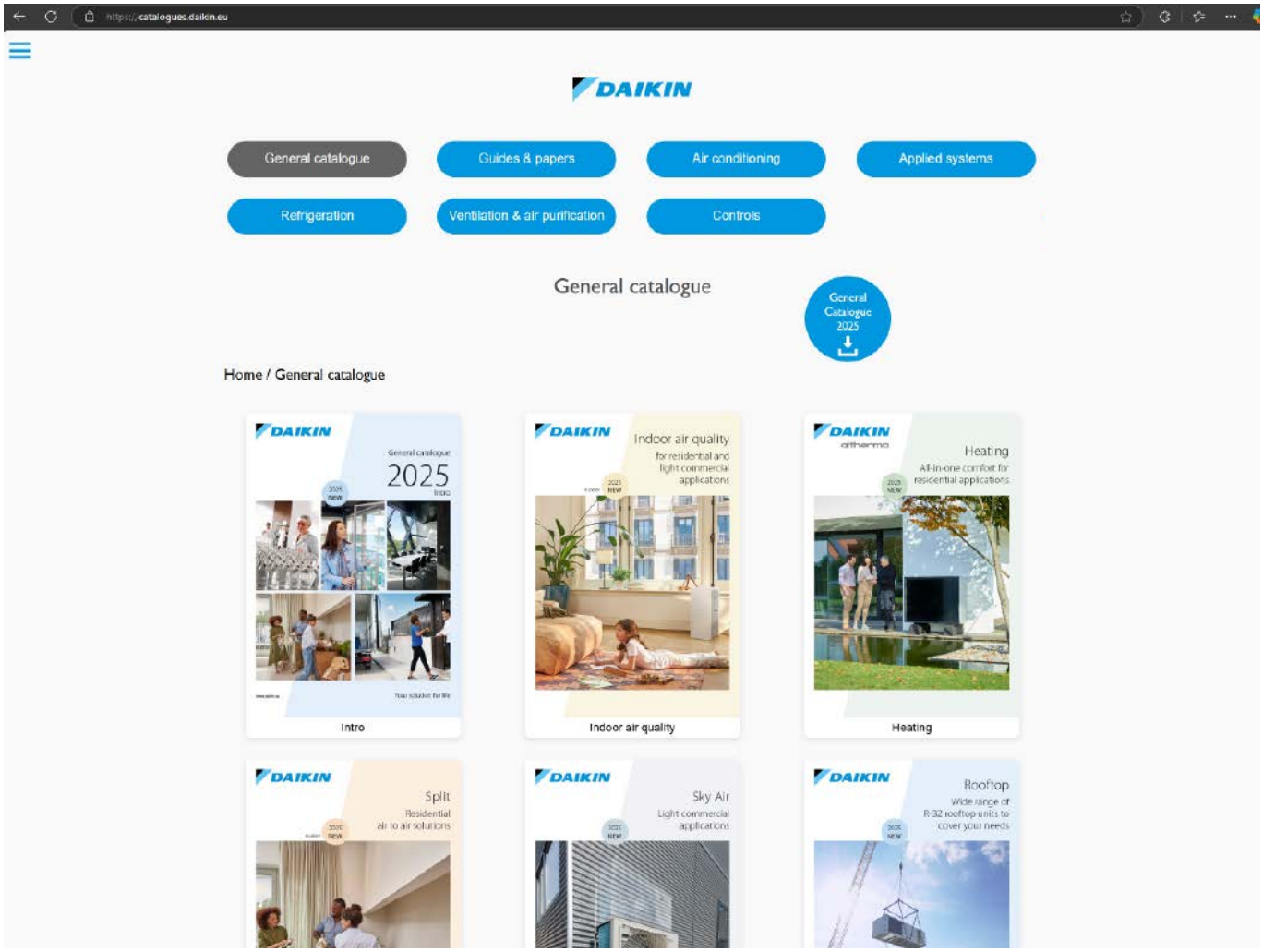


Ventilation selection software

Ventilation Xpress

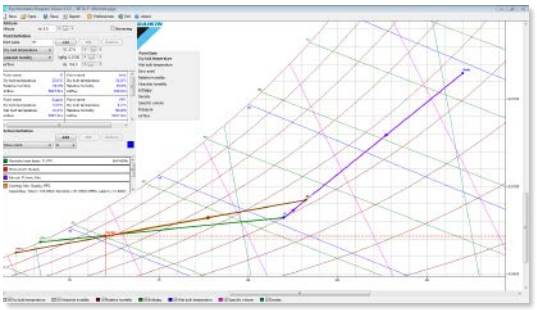
Selection tool for ventilation devices (VAM, VKM). The selection is based on given supply/extract airflows (including fresh up and given ESP of supply/extract ducting:

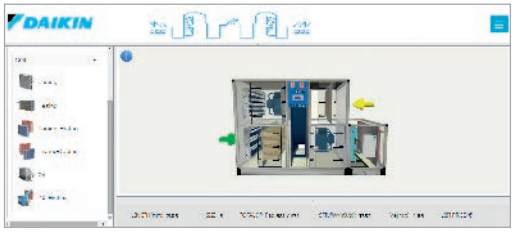
- Determines size of electrical heaters
- Visualisation of psychrometric chart
- Visualisation of selected configuration
- Required field settings mentioned in the report

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

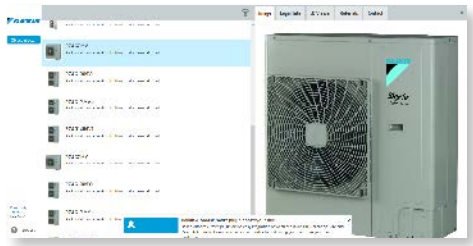




Plugins and third-party software tools

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 its VRV products

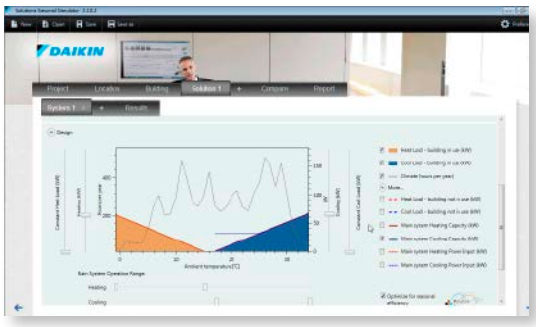


www.daikin.eu/bim

Energy simulation and design aid tools

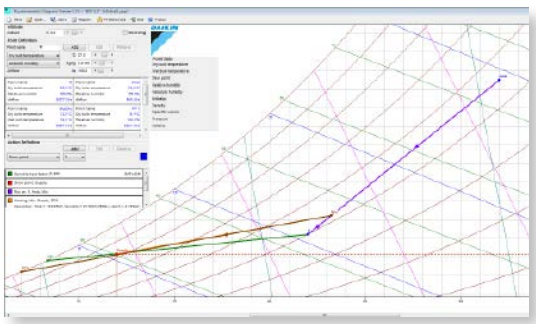
Seasonal simulator

- The Seasonal Simulator is an innovative software tool that calculates and compares potential seasonal efficiency ratings.
- This user-friendly tool compares various Daikin systems, annual power consumption, CO_2 emissions, and much more, to present an accurate ROI calculation in a matter of minutes.



NEW **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.



Software 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

NEW 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)

VRV Service-Checker
- Connected via F1/F2 bus to check multiple systems at the same time
- Connection of external pressure sensors possible

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

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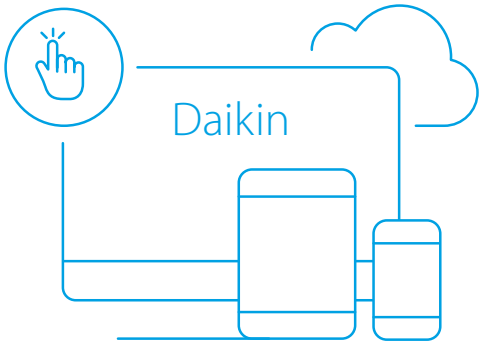
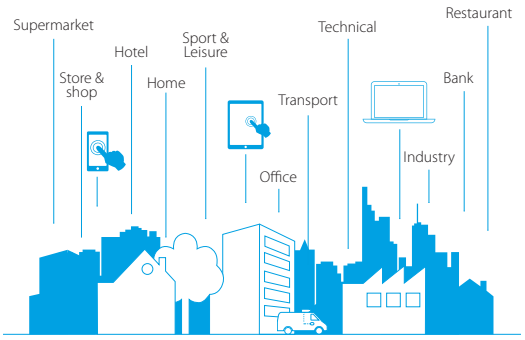


Internet

Find our solution for different applications:



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- See our references

Hotel Porta Fira

www.daikineurope.com/references

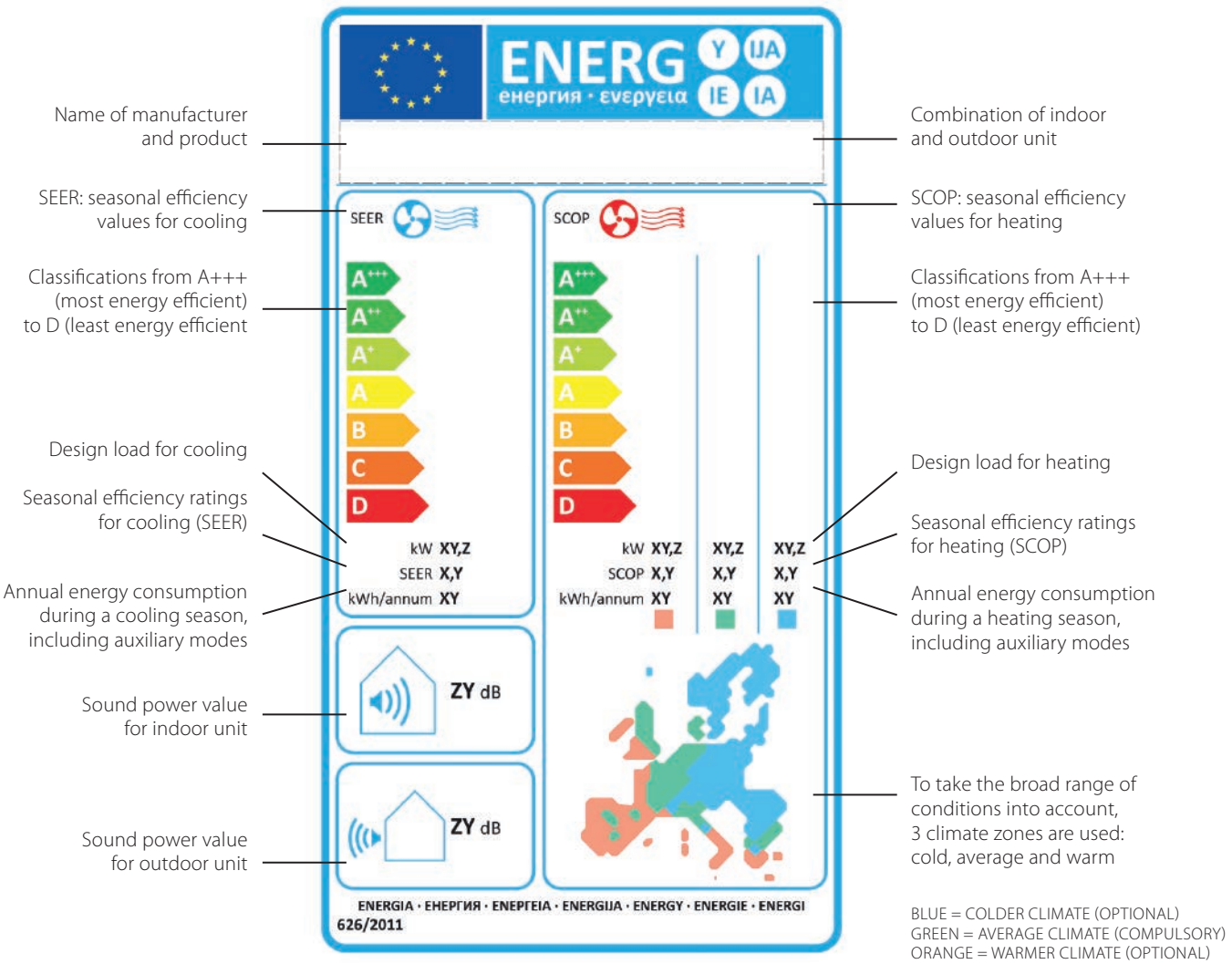
Europe's energy label

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



BLUE = COLDER CLIMATE (OPTIONAL)
GREEN = AVERAGE CLIMATE (COMPULSORY)
ORANGE = WARMER CLIMATE (OPTIONAL)

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

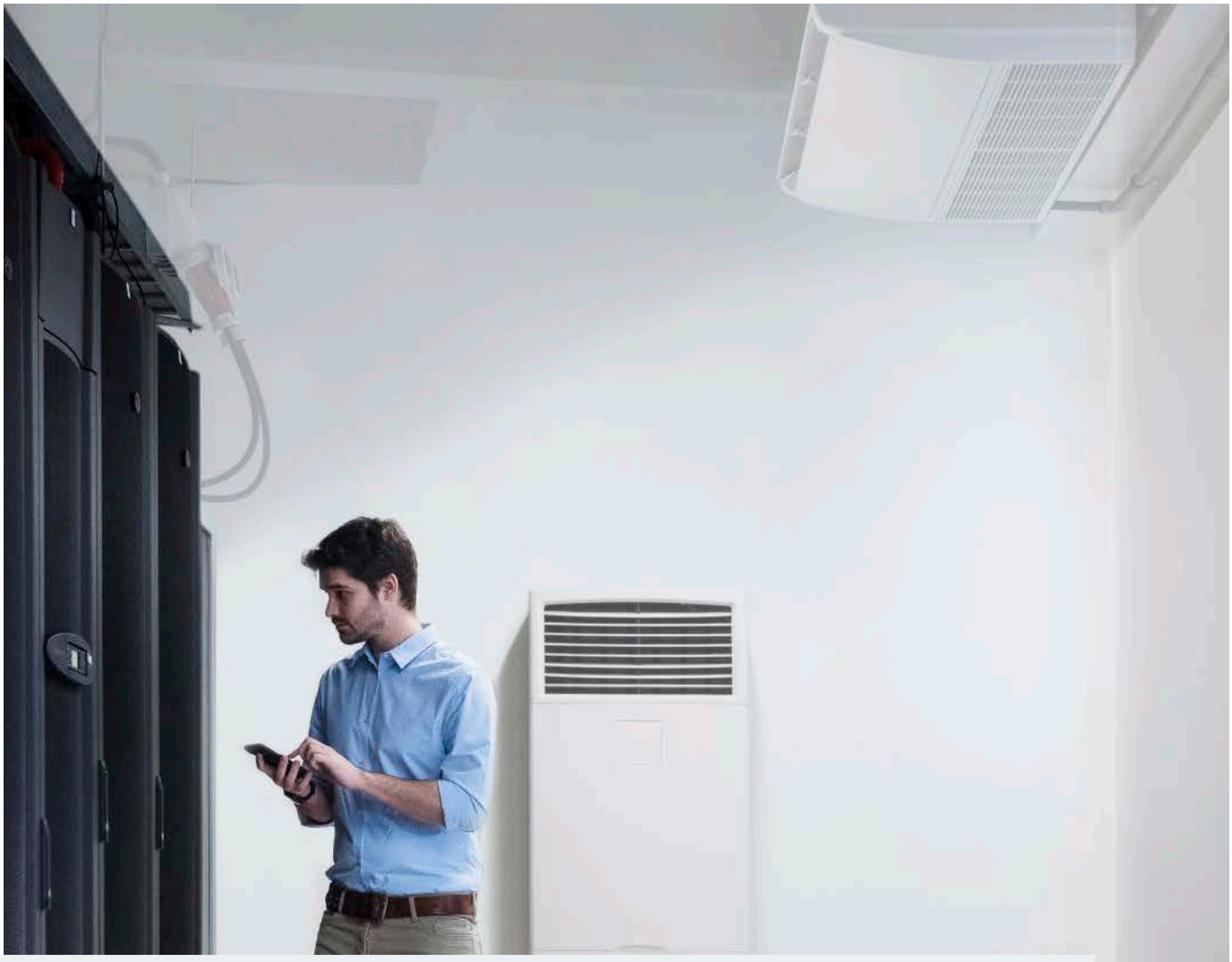
1) Nominal cooling capacities are based on:	
Indoor temperature	27°CDB/19°CWB
Outdoor temperature	35°CDB
Refrigerant piping length	7.5m - 8/5m VRV
Level difference	0m
2) Nominal heating capacities are based on:	
Indoor temperature	20°CDB
Outdoor temperature	7°CDB/6°CWB
Refrigerant piping length	7.5m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

Technical drawings

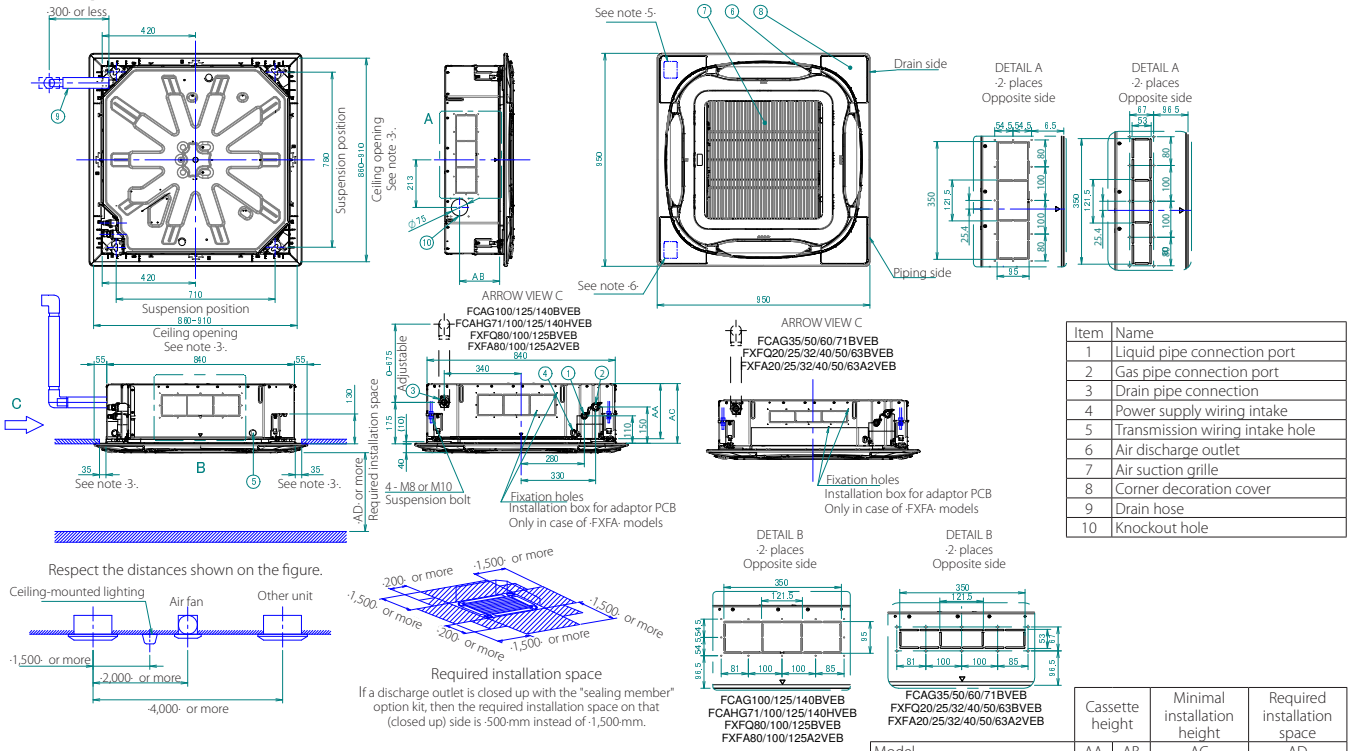
Air flow patterns available for cassette units!

NEW



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

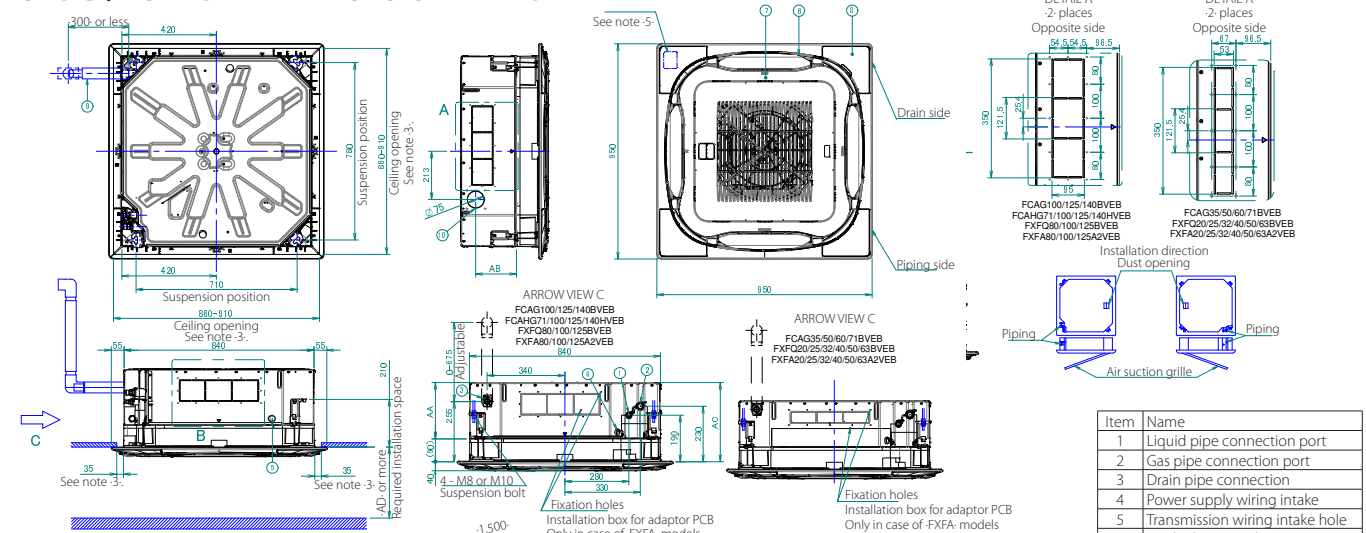
Model	Cassette height AA	Cassette height AB	Minimal installation height AC	Required installation space AD
FCAG35/50/60/71BVEB	204	139	227	2,700
FCAG100/125/140BVEB	246	180	269	2,700
FCAHG71/100/125/140HVEB	288	180	311	2,700
FXFQ20/25/32/40/50/63BVEB	204	139	227	2,700
FXFQ80/100BVEB	246	180	269	2,700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

NOTES

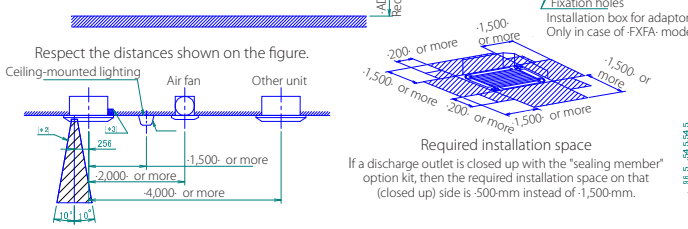
1. Location of nameplate
   The unit nameplate is located on the control box cover.
   The decoration panel nameplate is located on the piping-side panel frame, under the corner cover.
2. When installing optional accessories, refer to their respective documentation.
3. Make sure the distance between 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.

2D121655D

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.

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

NOTES

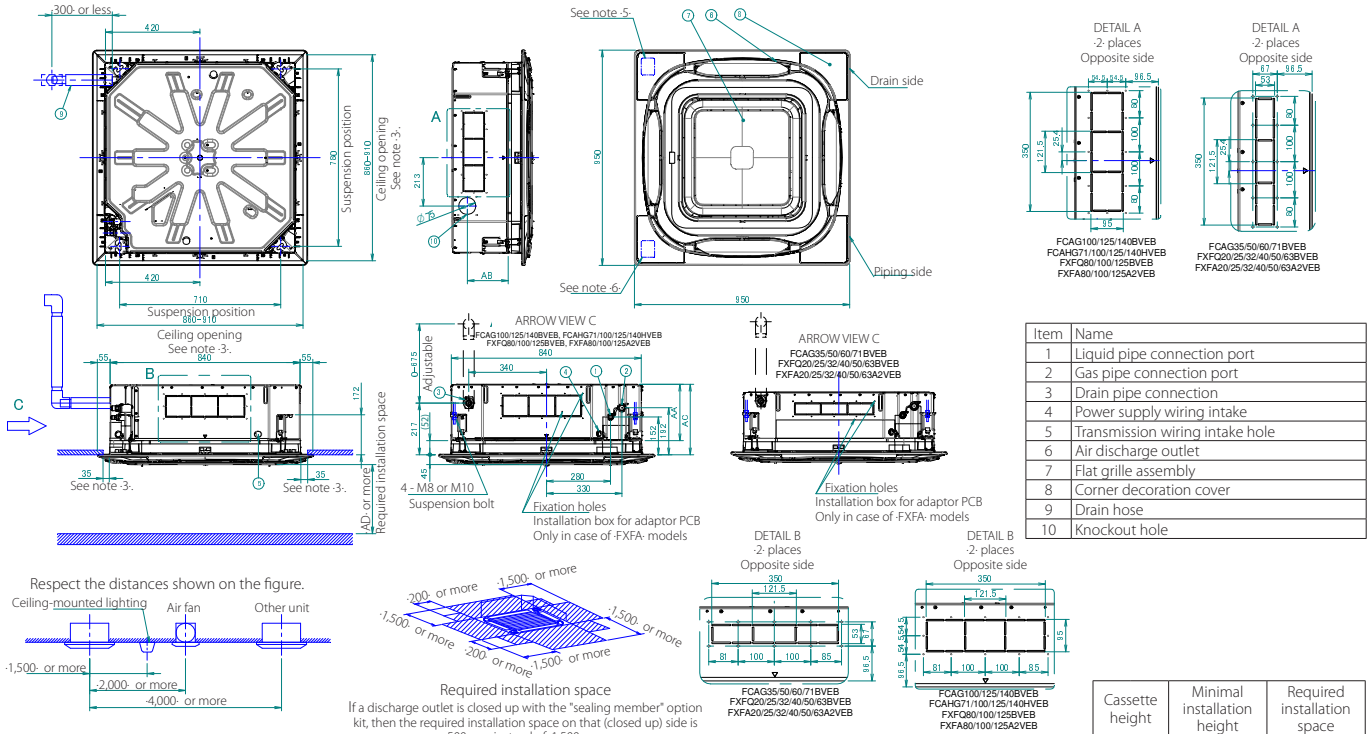
1. Location of nameplate
   The unit nameplate is located on the control box cover.
   The decoration panel nameplate is located on the piping-side panel frame, under the corner cover.
2. When installing optional accessories, refer to their respective documentation.
3. Make sure the distance between 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.

2D121658D

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

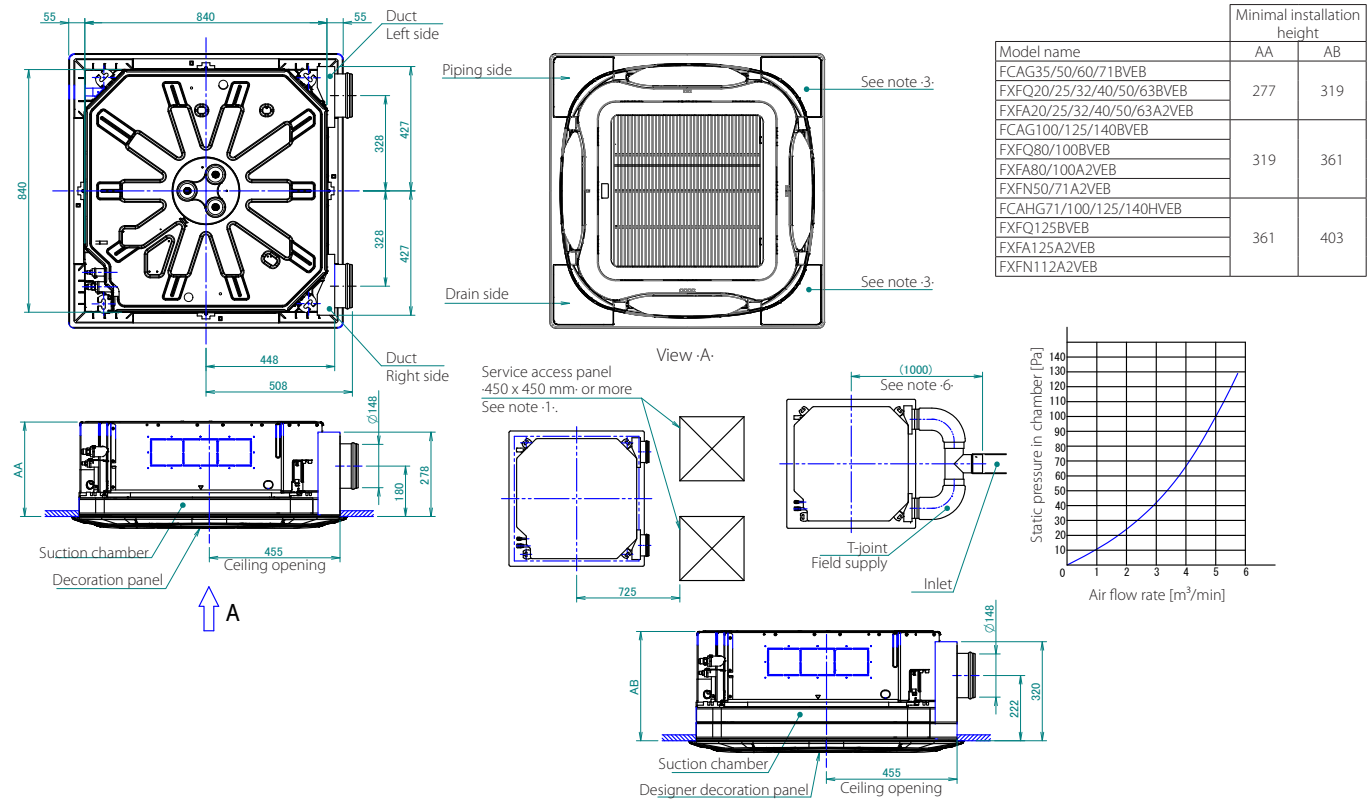
Model	Cassette height AA	AB	Minimal installation height AC	Required installation space AD
FCAG35/50/60/71BVEB	204	139	269	2,700
FCAG100/125/140BVEB	246	180	311	2,700
FCAHG71/100/125/140HVEB	288	180	353	2,700
FXFQ20/25/32/40/50/63BVEB	204	139	269	2,700
FXFQ80/100BVEB	246	180	311	2,700
FXFQ125BVEB	288	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

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.

2D121703D

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

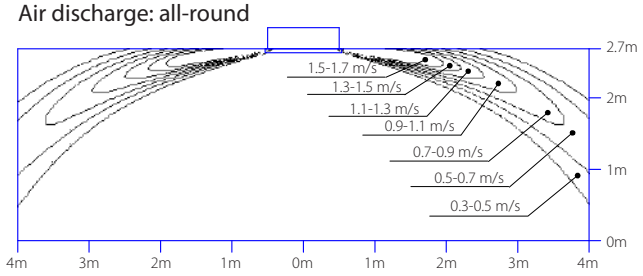
1. When installing a fresh air intake kit, provide a service access panel.
2. Field construction
3. This corner discharge outlet needs to be closed.
4. When installing a duct fan, use a wiring adapter to link the duct fan to the fan of the indoor unit.
5. The intake air flow rate is recommended to be ≤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

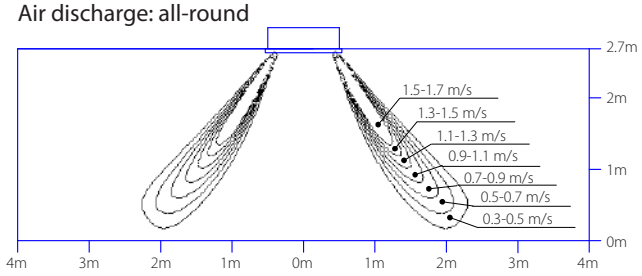
Air velocity distribution (cooling)

Air flow direction: horizontal
Air discharge: all-round



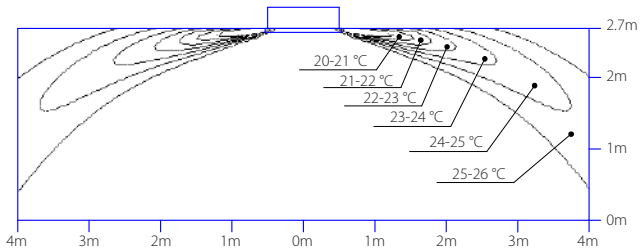
Air velocity distribution (heating)

Air flow direction: vertical
Air discharge: all-round



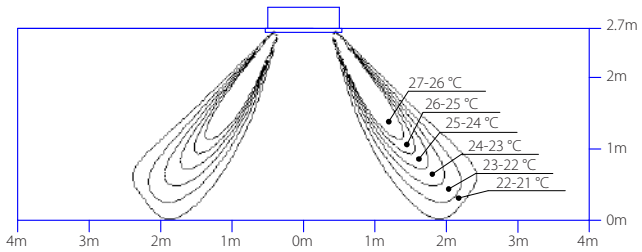
Air temperature distribution (cooling)

Air flow direction: horizontal
Air discharge: all-round



Air temperature distribution (heating)

Air flow direction: vertical
Air discharge: all-round

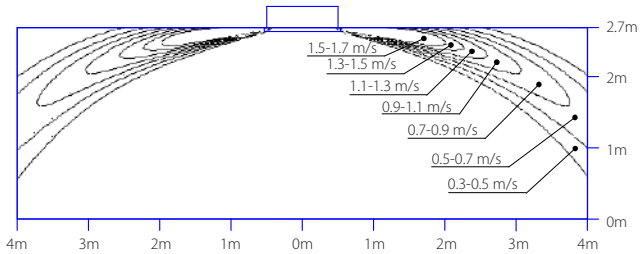


3D121618

FCAG50B

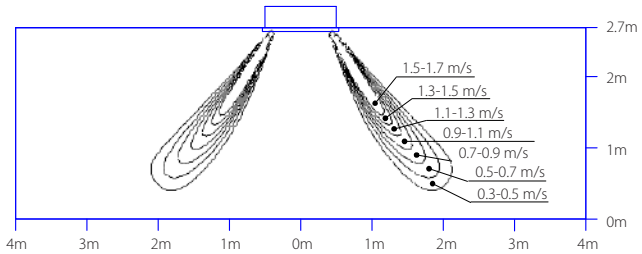
Air velocity distribution (cooling)

Air flow direction: horizontal
Air discharge: all-round



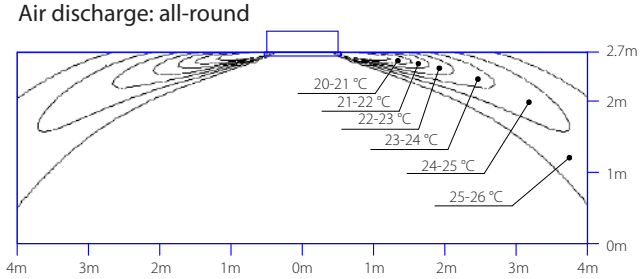
Air velocity distribution (heating)

Air flow direction: vertical
Air discharge: all-round



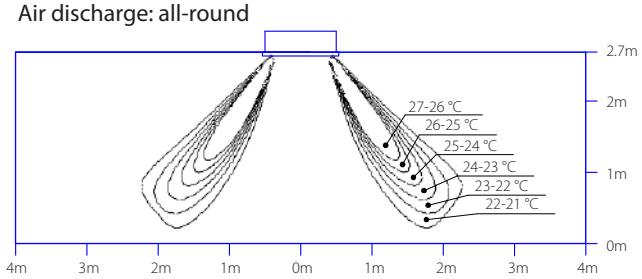
Air temperature distribution (cooling)

Air flow direction: horizontal
Air discharge: all-round



Air temperature distribution (heating)

Air flow direction: vertical
Air discharge: all-round



3D121619

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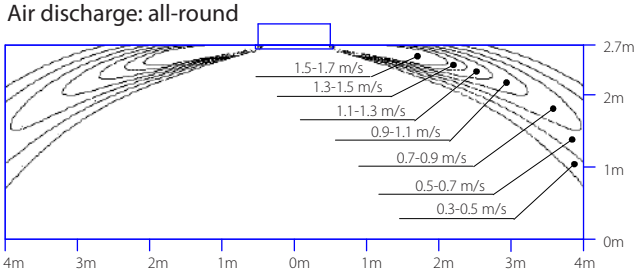
FCAG60B

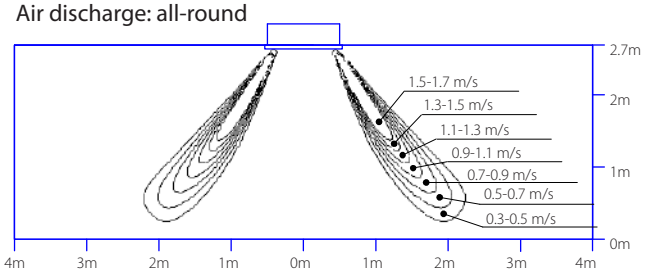
Air velocity distribution (cooling)

Air flow direction: horizontal
Air discharge: all-round



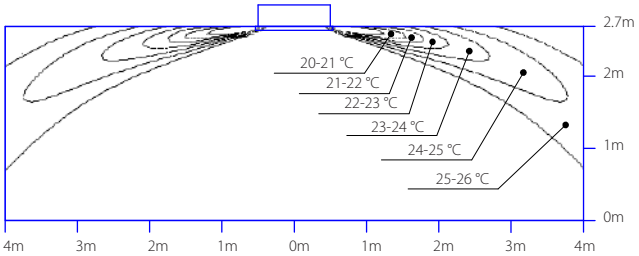
Air velocity distribution (heating)

Air flow direction: vertical
Air discharge: all-round



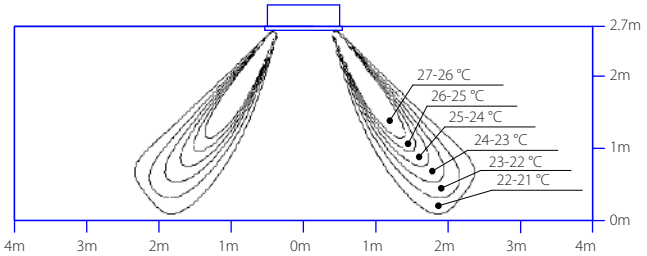
Air temperature distribution (cooling)

Air flow direction: horizontal
Air discharge: all-round



Air temperature distribution (heating)

Air flow direction: vertical
Air discharge: all-round

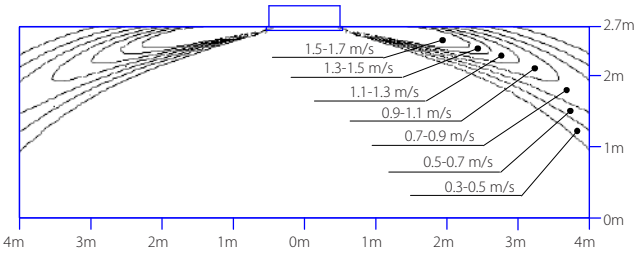


3D121620A

FCAG71B

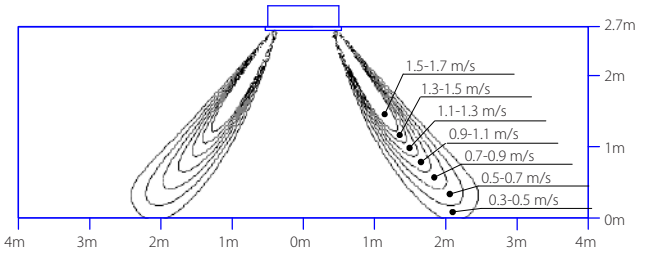
Air velocity distribution (cooling)

Air flow direction: horizontal
Air discharge: all-round



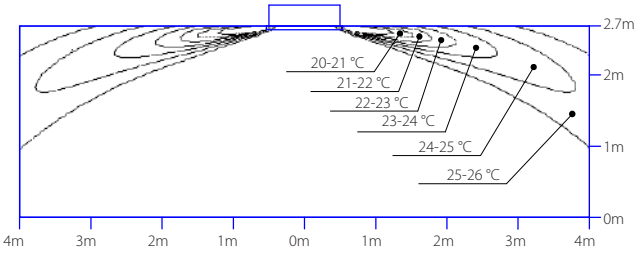
Air velocity distribution (heating)

Air flow direction: vertical
Air discharge: all-round



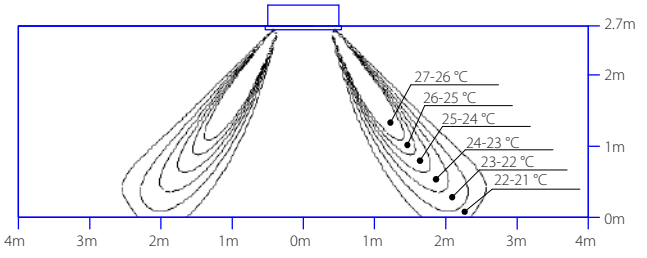
Air temperature distribution (cooling)

Air flow direction: horizontal
Air discharge: all-round



Air temperature distribution (heating)

Air flow direction: vertical
Air discharge: all-round

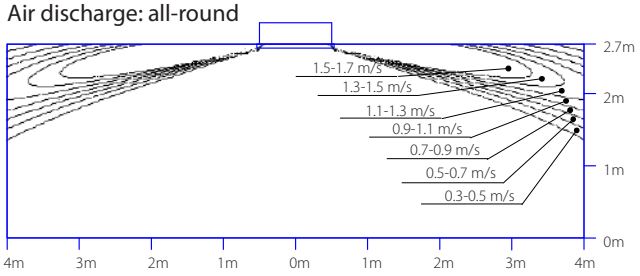


3D121621A

FCAG100B

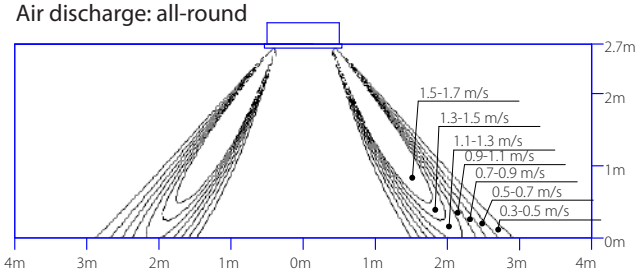
Air velocity distribution (cooling)

Air flow direction: horizontal
Air discharge: all-round



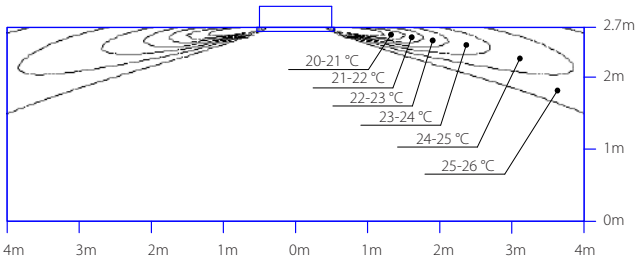
Air velocity distribution (heating)

Air flow direction: vertical
Air discharge: all-round



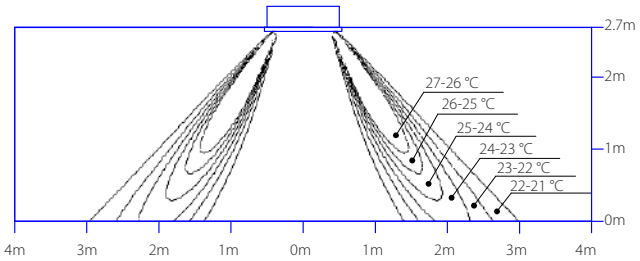
Air temperature distribution (cooling)

Air flow direction: horizontal
Air discharge: all-round



Air temperature distribution (heating)

Air flow direction: vertical
Air discharge: all-round

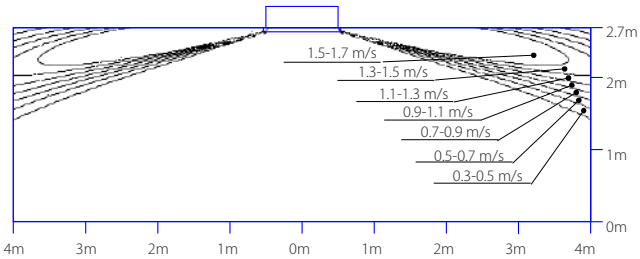


3D121622A

FCAG125-140B

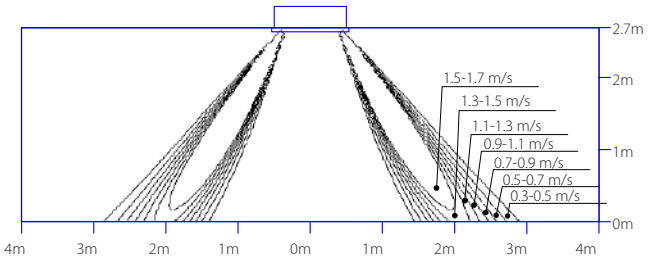
Air velocity distribution (cooling)

Air flow direction: horizontal
Air discharge: all-round



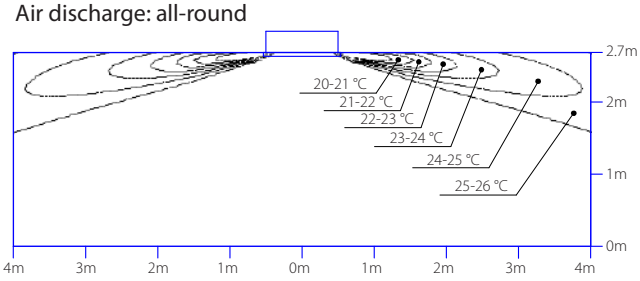
Air velocity distribution (heating)

Air flow direction: vertical
Air discharge: all-round



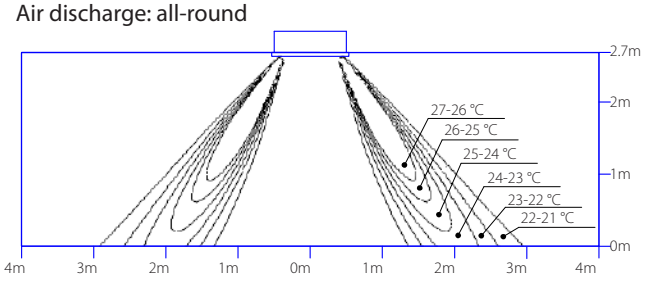
Air temperature distribution (cooling)

Air flow direction: horizontal
Air discharge: all-round



Air temperature distribution (heating)

Air flow direction: vertical
Air discharge: all-round



3D121623

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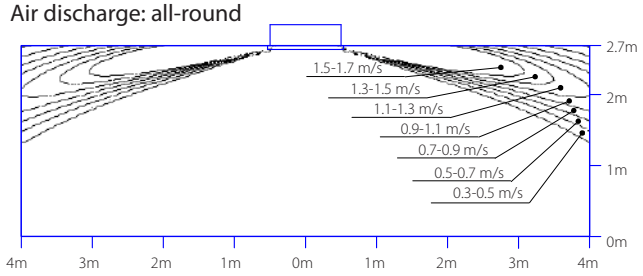
FCAHG71H

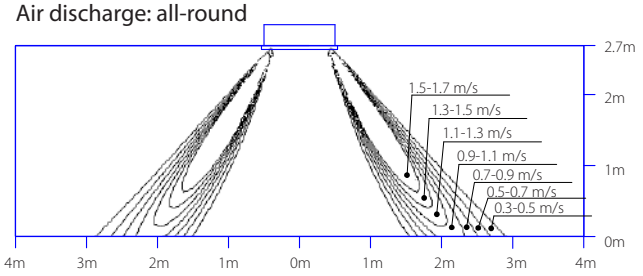
Air velocity distribution (cooling)

Air flow direction: horizontal
Air discharge: all-round



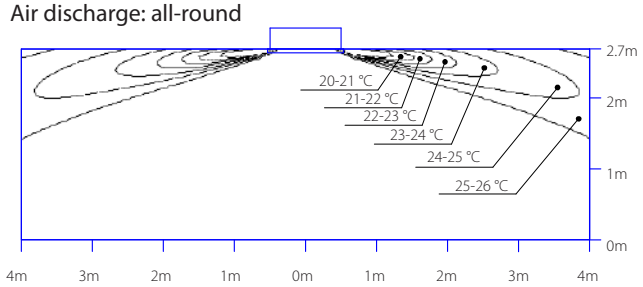
Air velocity distribution (heating)

Air flow direction: vertical
Air discharge: all-round



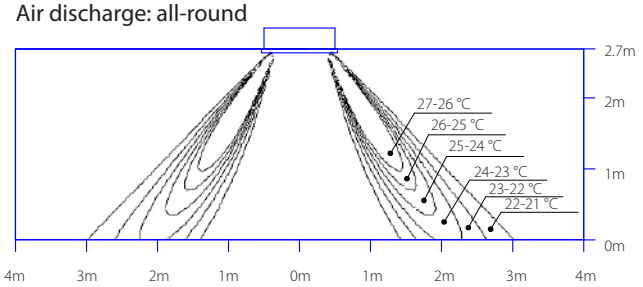
Air temperature distribution (cooling)

Air flow direction: horizontal
Air discharge: all-round



Air temperature distribution (heating)

Air flow direction: vertical
Air discharge: all-round

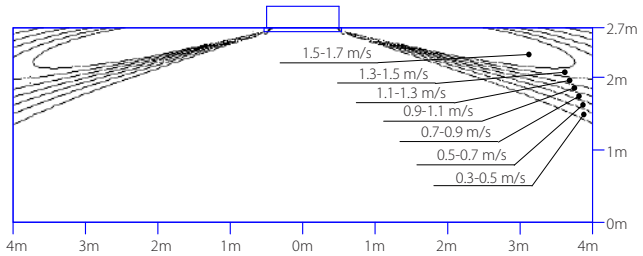


3D121624

FCAHG100H

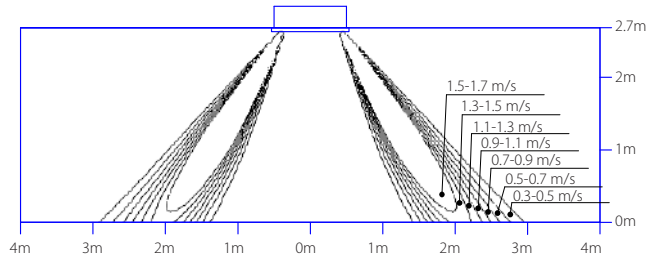
Air velocity distribution (cooling)

Air flow direction: horizontal
Air discharge: all-round



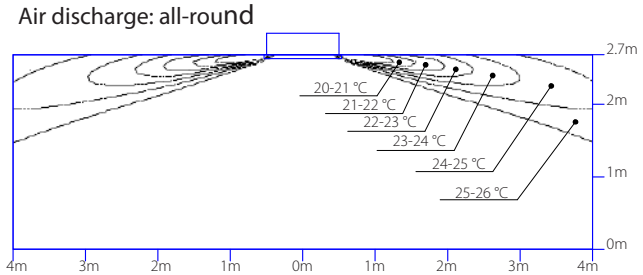
Air velocity distribution (heating)

Air flow direction: vertical
Air discharge: all-round



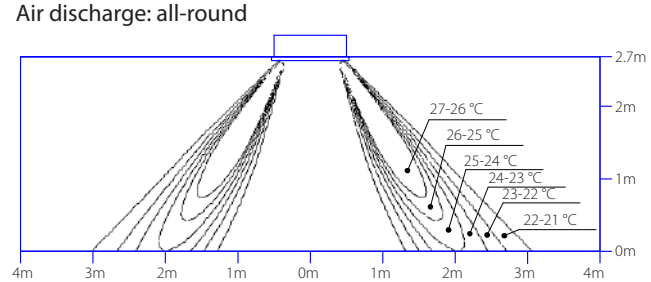
Air temperature distribution (cooling)

Air flow direction: horizontal
Air discharge: all-round



Air temperature distribution (heating)

Air flow direction: vertical
Air discharge: all-round

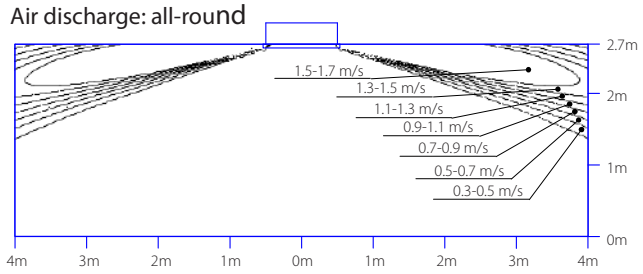


3D121625

FCAHG125-140H

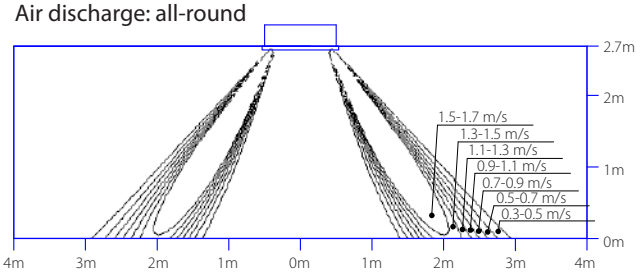
Air velocity distribution (cooling)

Air flow direction: horizontal
Air discharge: all-round



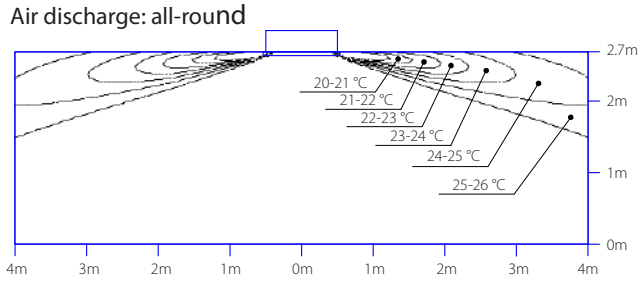
Air velocity distribution (heating)

Air flow direction: vertical
Air discharge: all-round



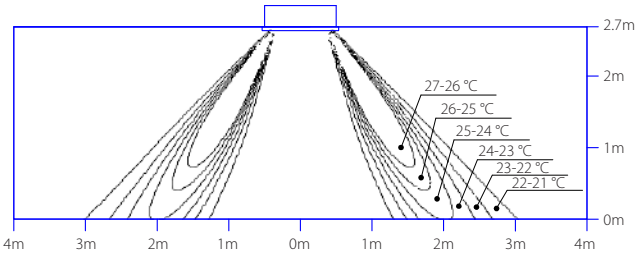
Air temperature distribution (cooling)

Air flow direction: horizontal
Air discharge: all-round



Air temperature distribution (heating)

Air flow direction: vertical
Air discharge: all-round



3D121626

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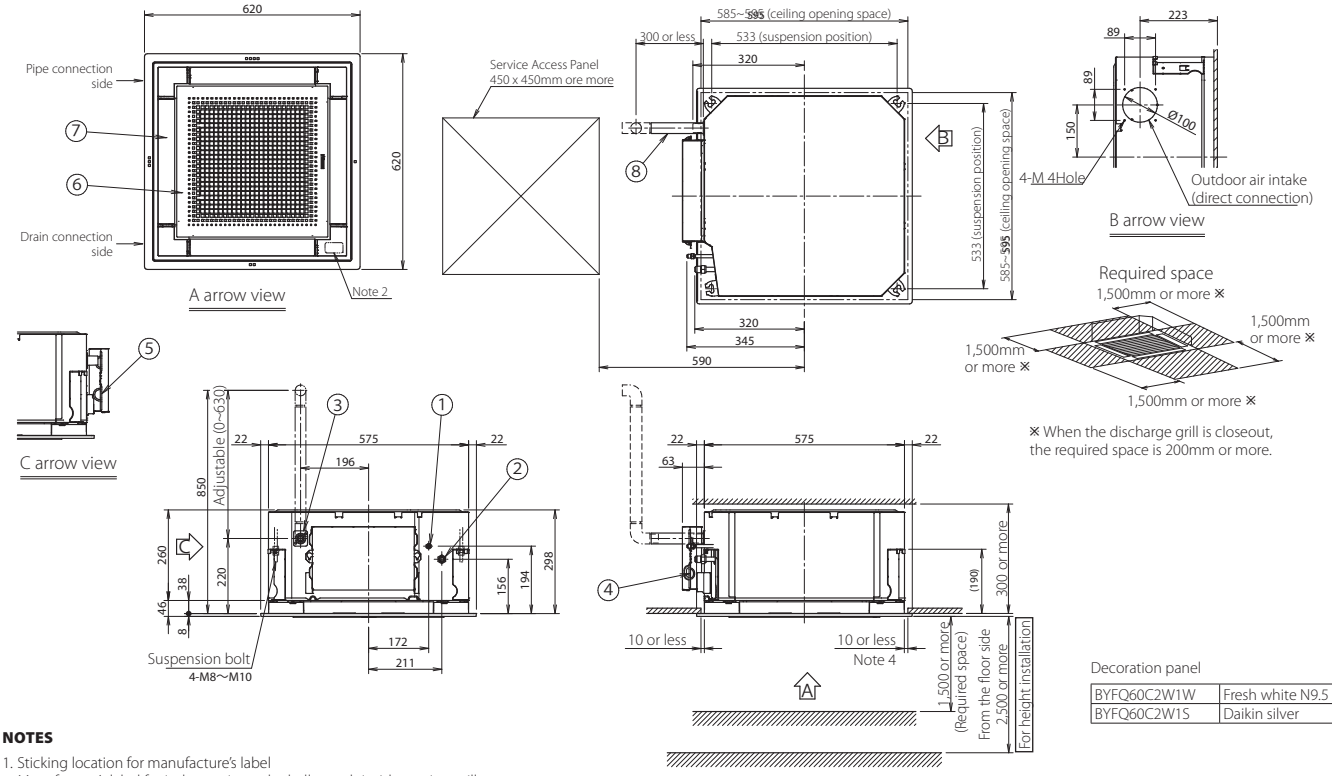
FFA25-35A9 - FULLY FLAT PANEL



Decoration panel

BYFQ60C2W1W	Fresh white N9.5
BYFQ60C2W1S	Daikin silver

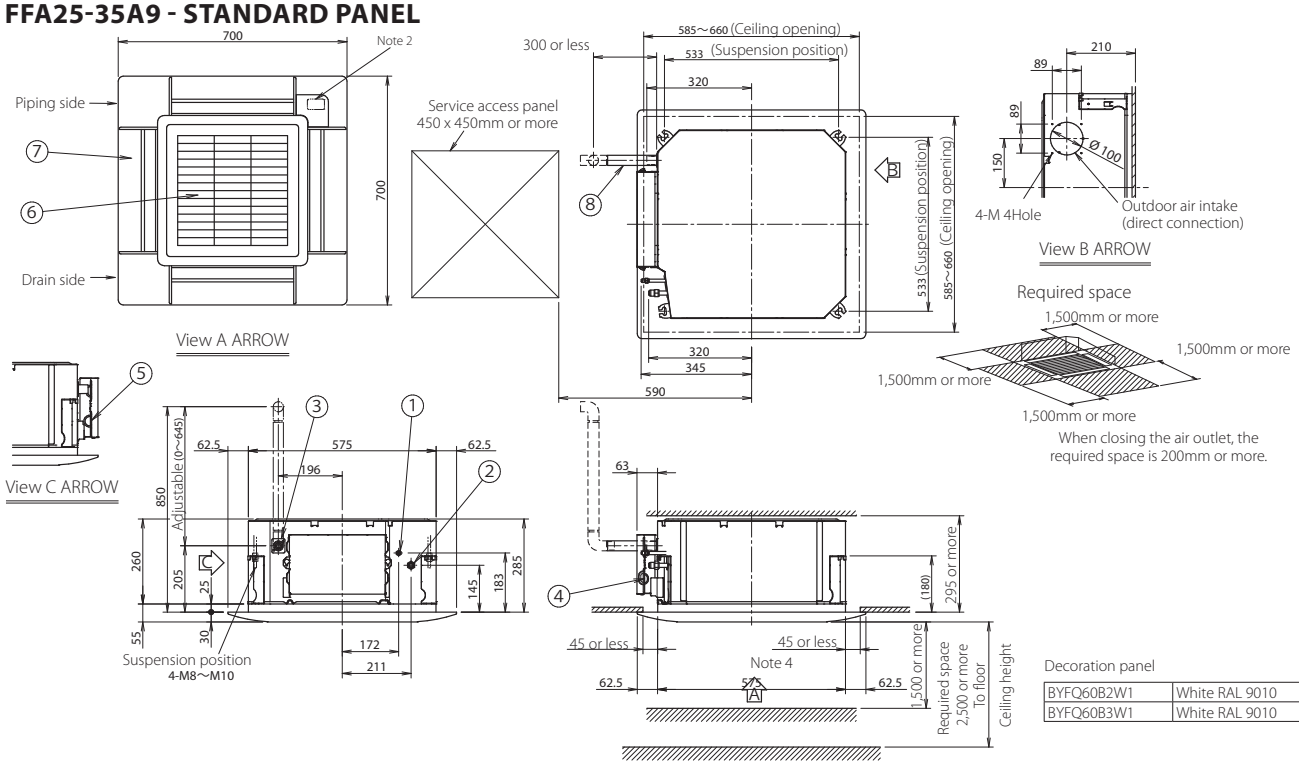
NOTES

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

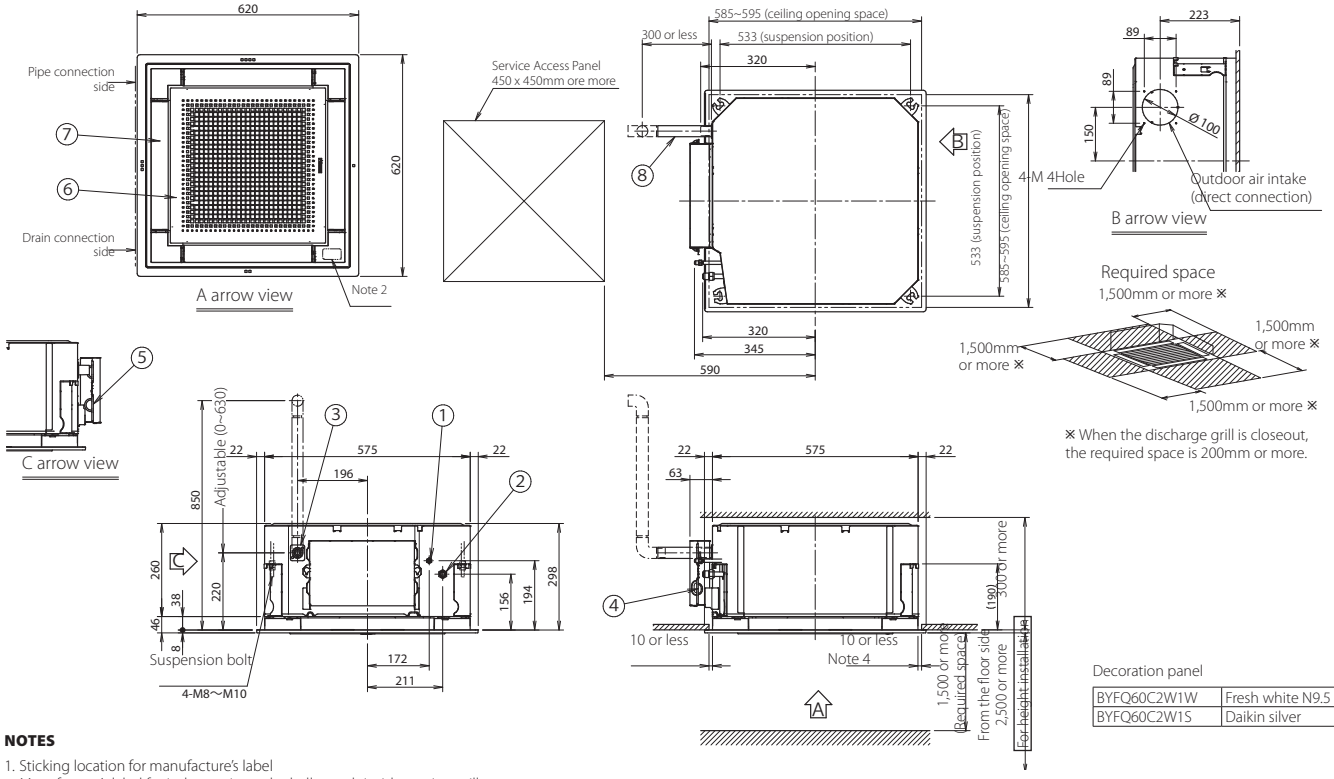
NOTES

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

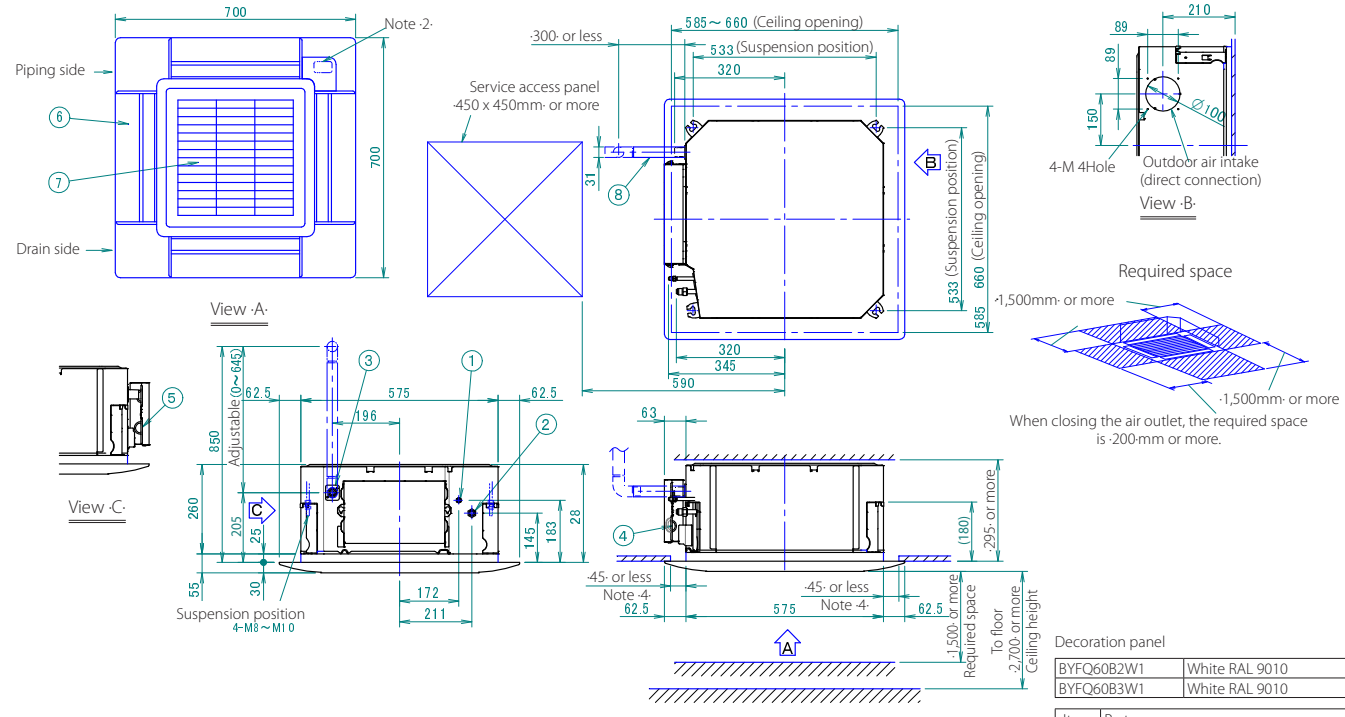
NOTES

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.

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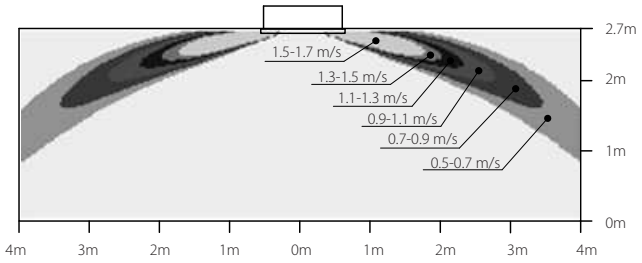
FFA25A9

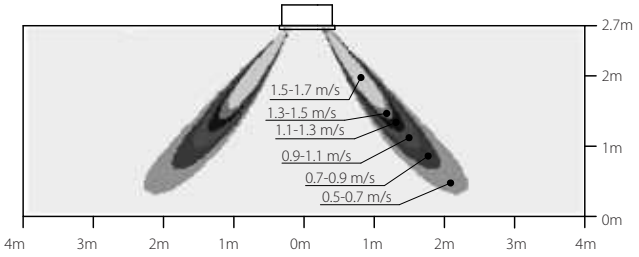
Air velocity distribution (cooling)

Air flow direction: horizontal
Air discharge: all-round



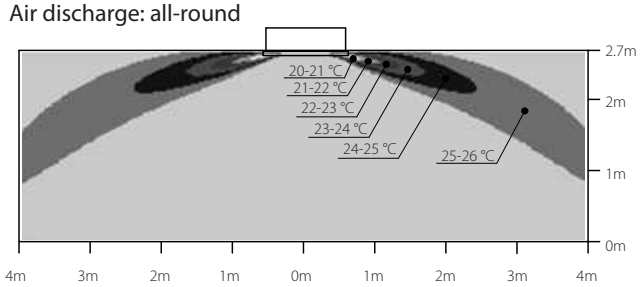
Air velocity distribution (heating)

Air flow direction: vertical
Air discharge: all-round



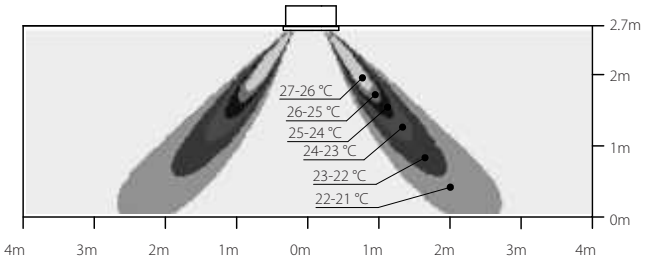
Air temperature distribution (cooling)

Air flow direction: horizontal
Air discharge: all-round



Air temperature distribution (heating)

Air flow direction: vertical
Air discharge: all-round

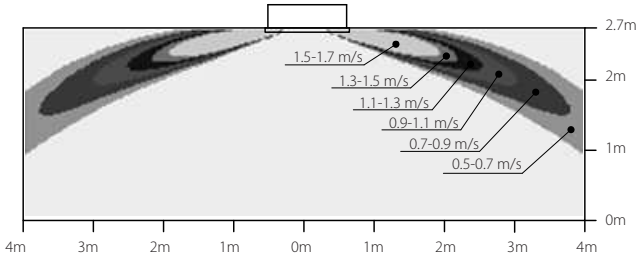


4D083819A **4D083829A**

FFA35A9

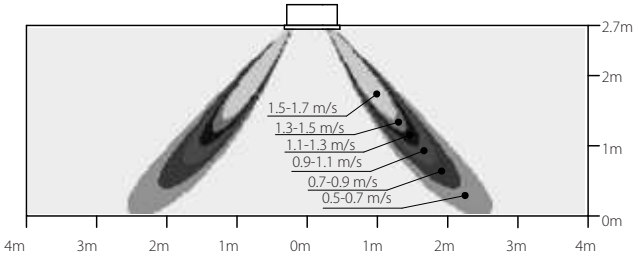
Air velocity distribution (cooling)

Air flow direction: horizontal
Air discharge: all-round



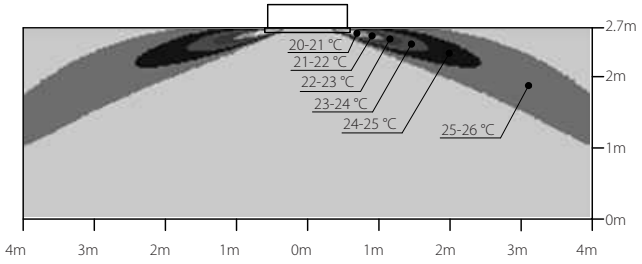
Air velocity distribution (heating)

Air flow direction: vertical
Air discharge: all-round



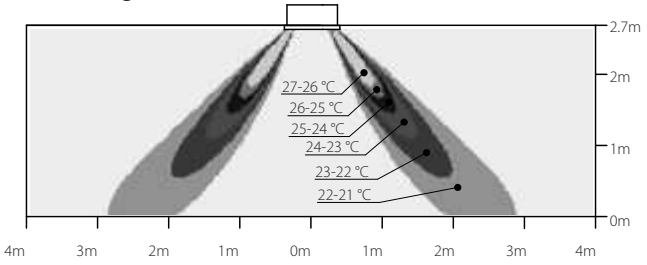
Air temperature distribution (cooling)

Air flow direction: horizontal
Air discharge: all-round



Air temperature distribution (heating)

Air flow direction: vertical
Air discharge: all-round



4D083820A **4D083830A**

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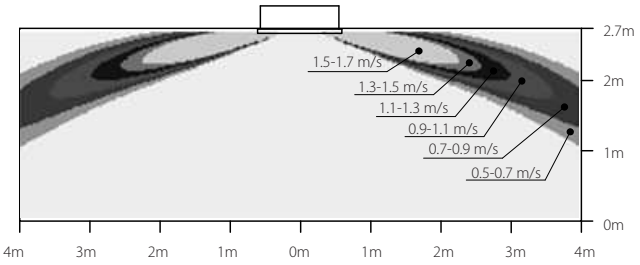
FFA50A9

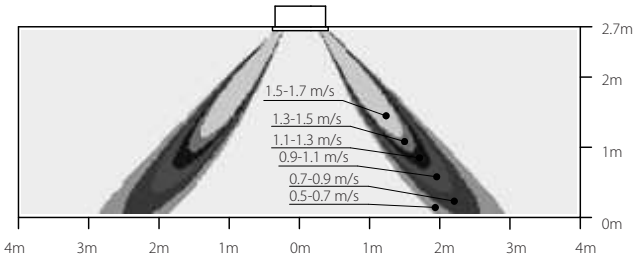
Air velocity distribution (cooling)

Air flow direction: horizontal
Air discharge: all-round



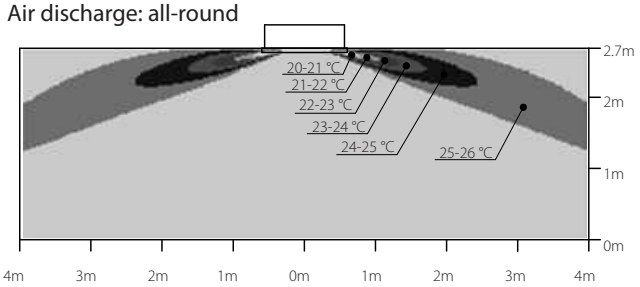
Air velocity distribution (heating)

Air flow direction: vertical
Air discharge: all-round



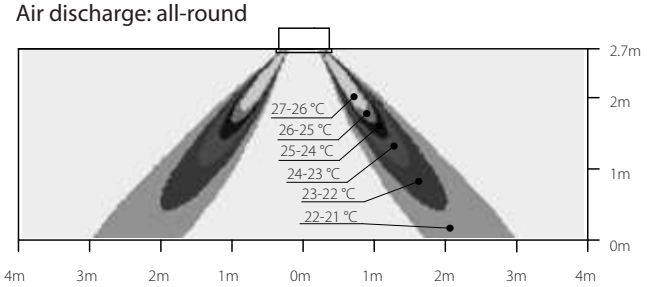
Air temperature distribution (cooling)

Air flow direction: horizontal
Air discharge: all-round



Air temperature distribution (heating)

Air flow direction: vertical
Air discharge: all-round

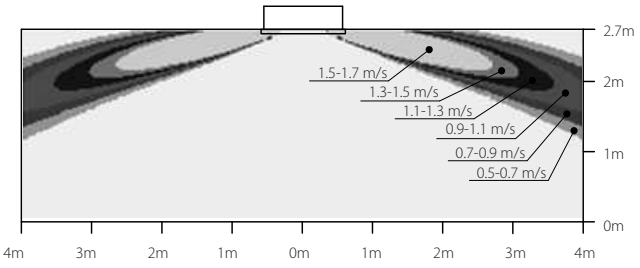


4D083821A **4D083831A**

FFA60A9

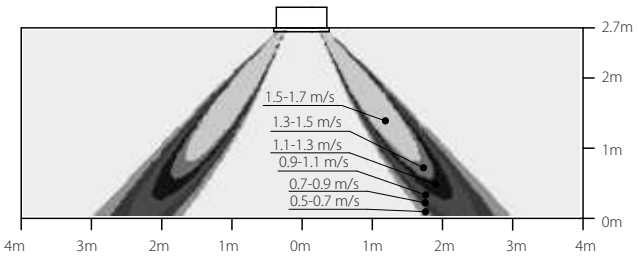
Air velocity distribution (cooling)

Air flow direction: horizontal
Air discharge: all-round



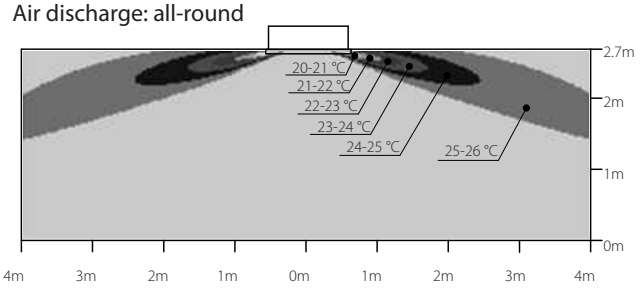
Air velocity distribution (heating)

Air flow direction: vertical
Air discharge: all-round



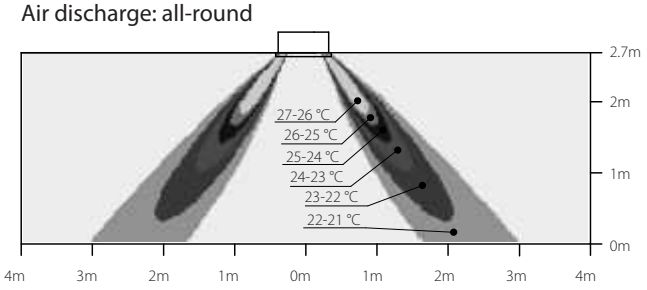
Air temperature distribution (cooling)

Air flow direction: horizontal
Air discharge: all-round



Air temperature distribution (heating)

Air flow direction: vertical
Air discharge: all-round



4D083822A **4D083832A**

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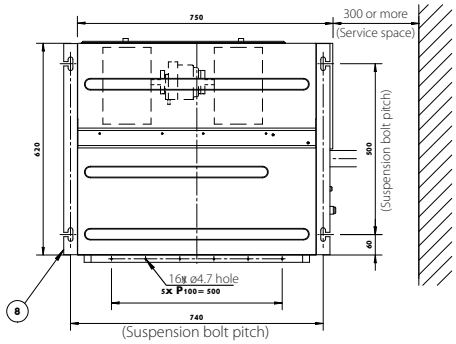
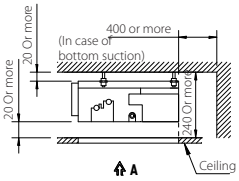
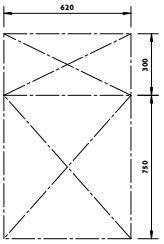
FDXM25-35F9





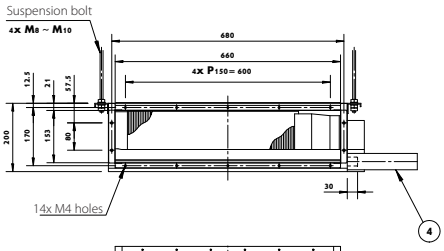
Service space

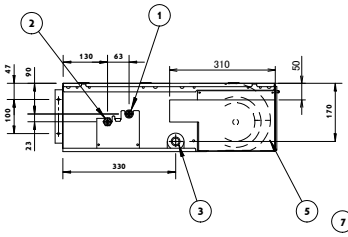


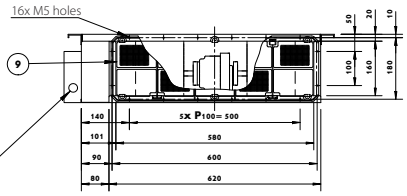
View A
Inspection door
(ceiling opening)

NOTES

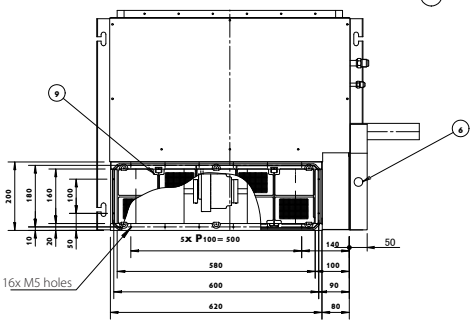
1. In case of back suction, mount chamber cover to bottom side of the unit.
   In case of bottom suction, mount chamber cover to back side of the unit.
2. Location of unit name plate: control box cover.
3. Mount the air filter at the suction side. (Use an air filter whose dust collecting efficiency is 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)	

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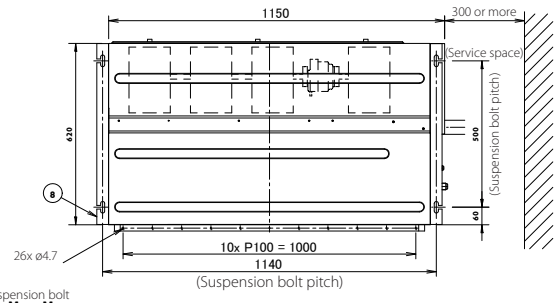
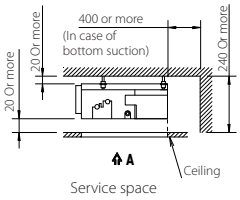
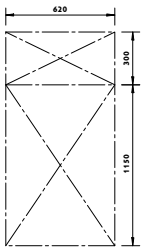
FDXM50-60F9

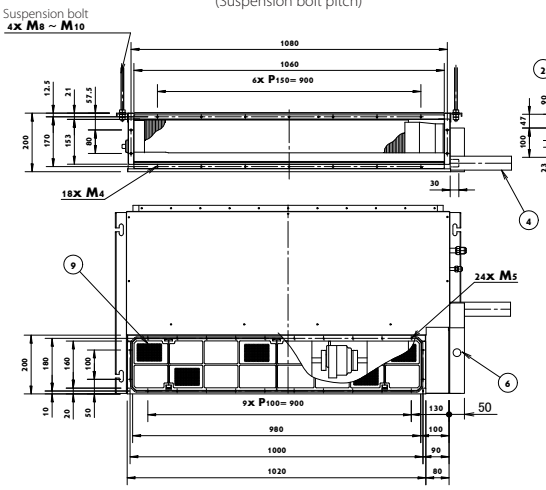




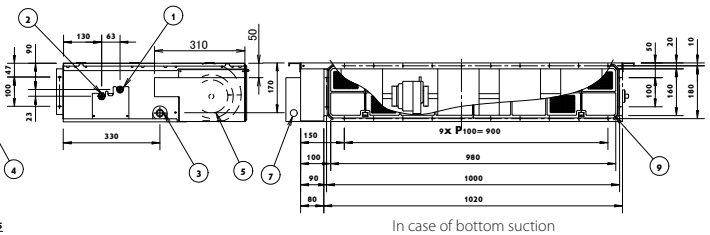
Service space



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.

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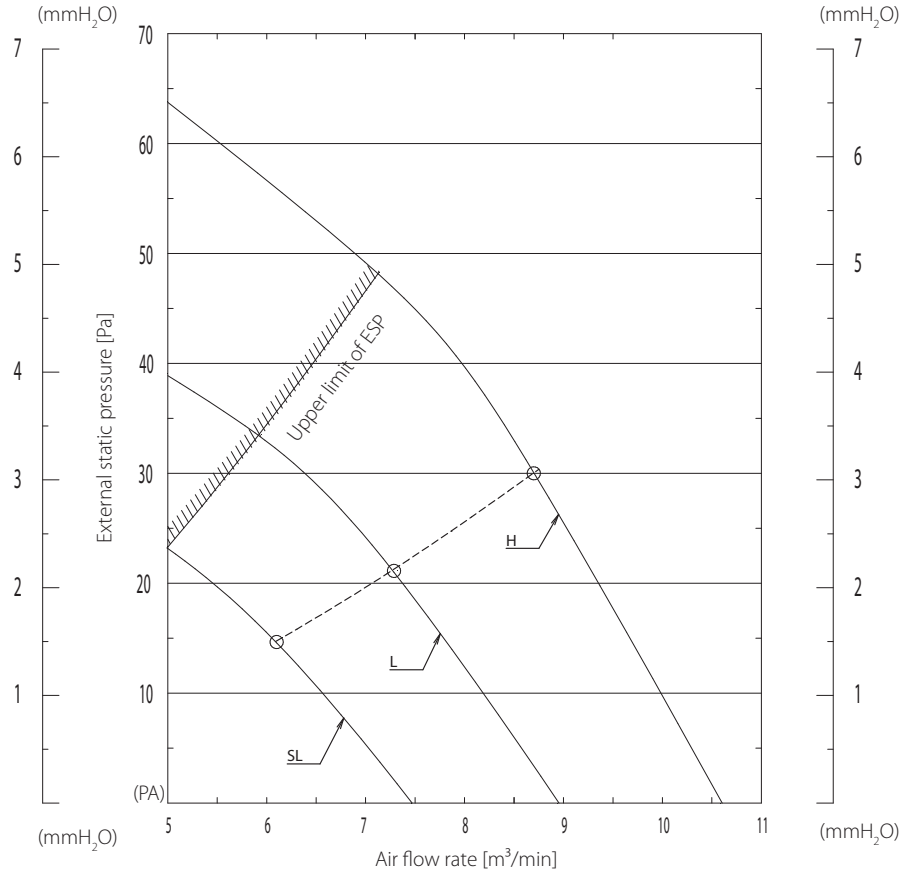
FDXM25-35F9



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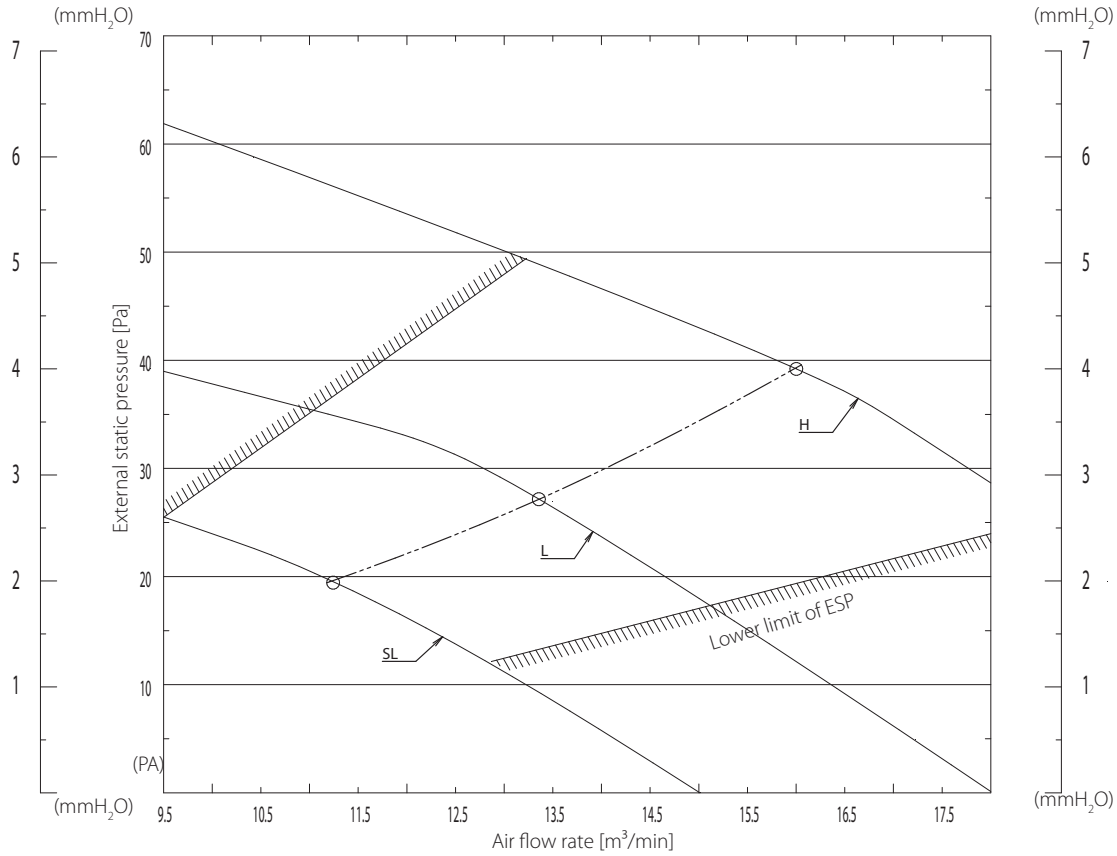
FDXM50F9



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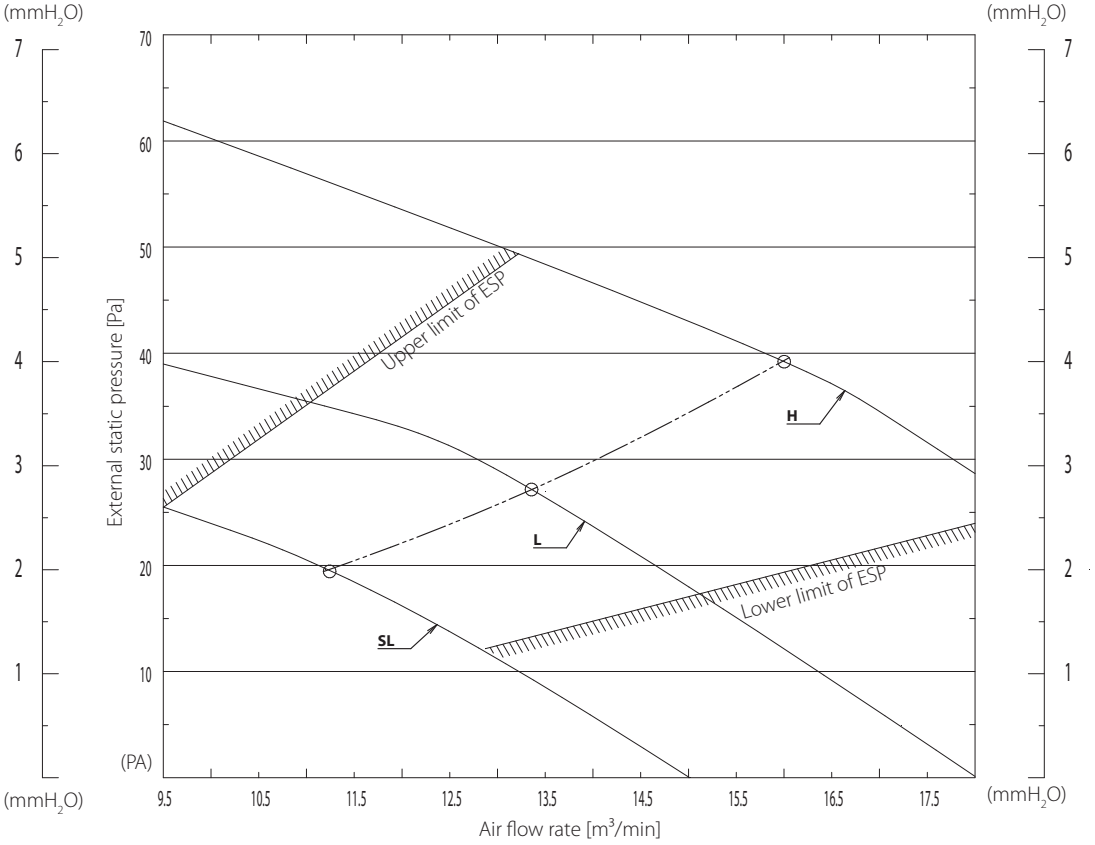
FDXM60F9



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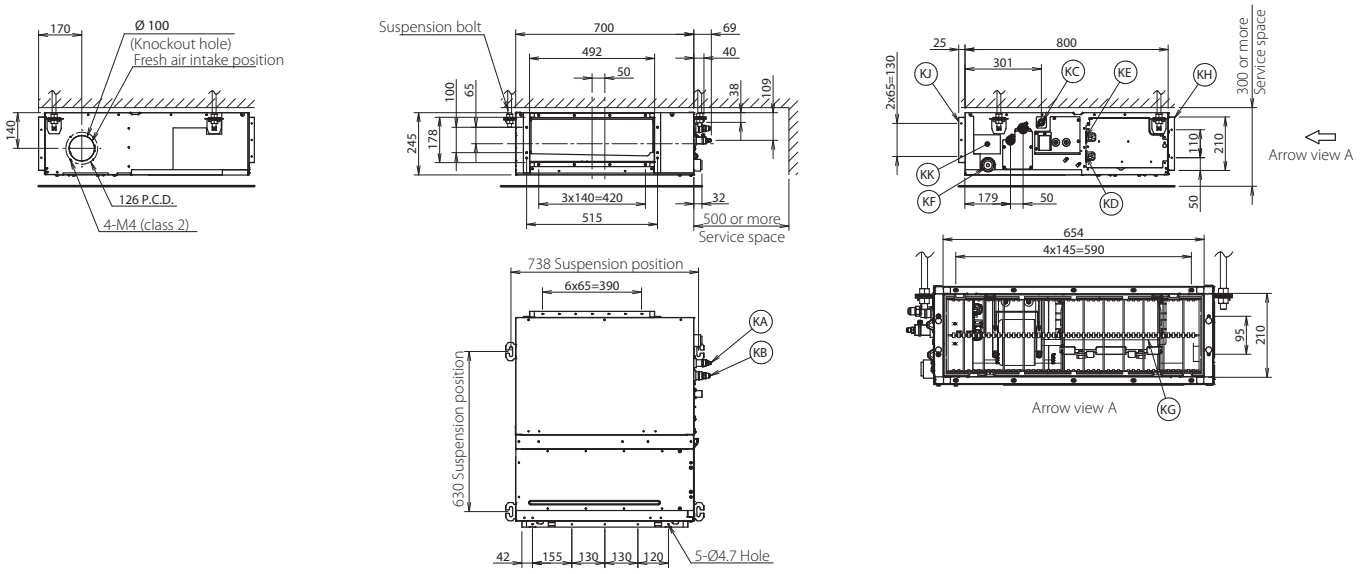
FBA35A9



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.

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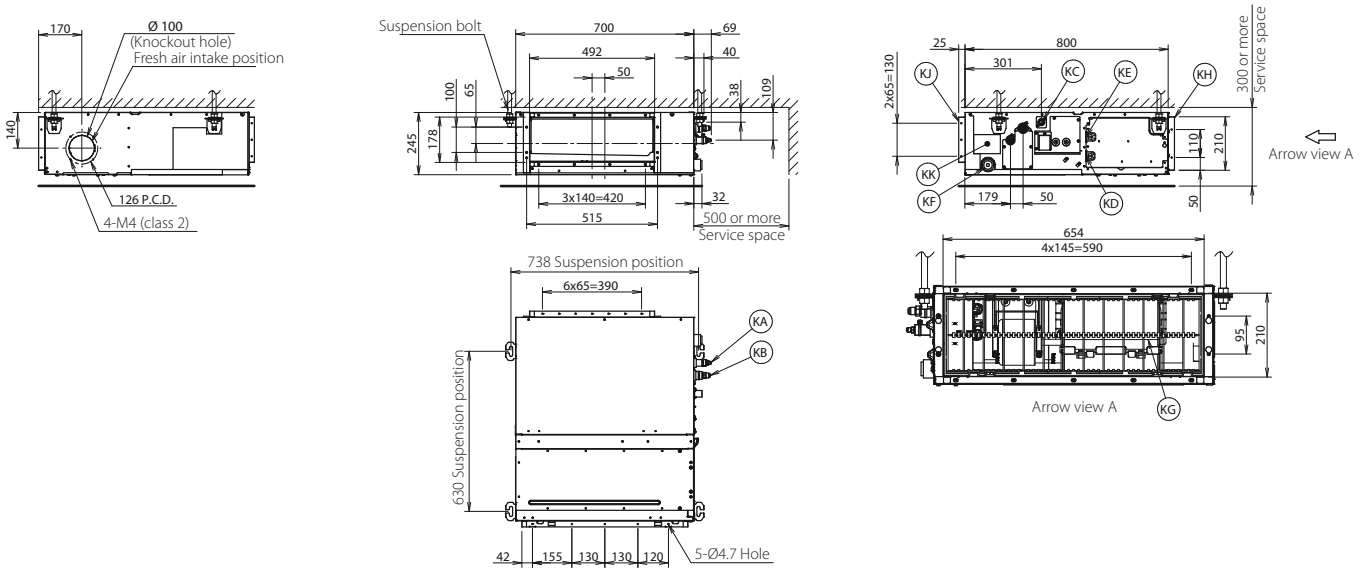
FBA50A9



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	/

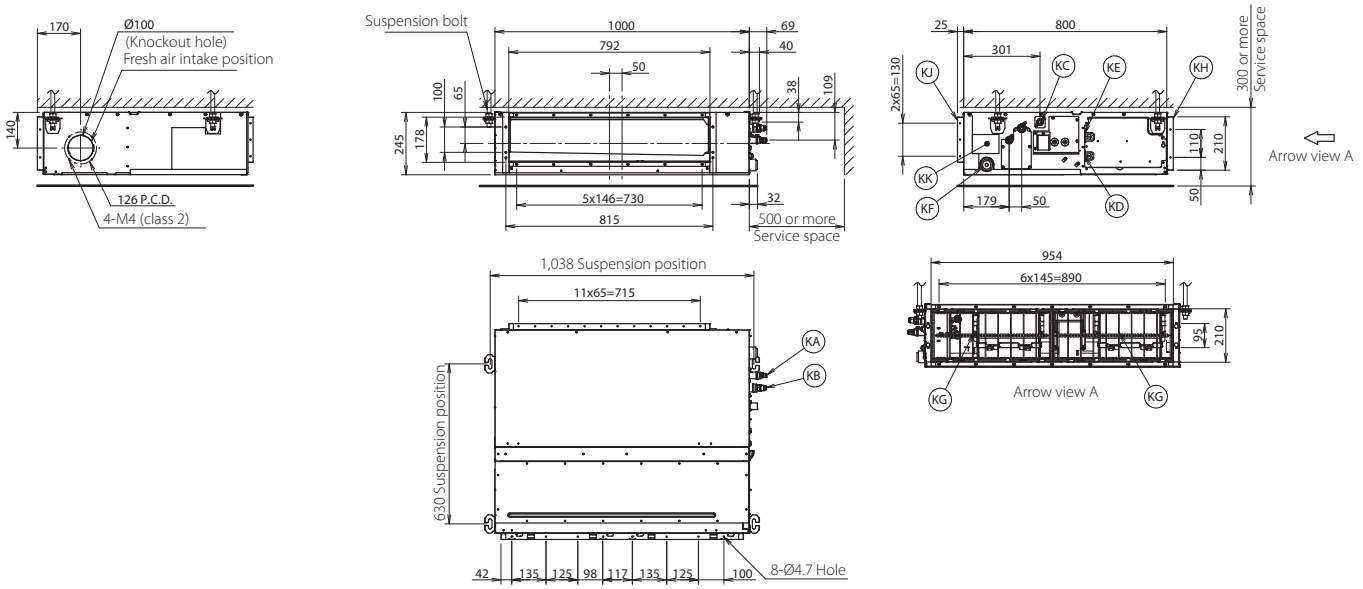
NOTES

1. When installing optional accessories, refer to their respective documentation.
2. The ceiling depth varies according to the documentation of the specific system.

3D094918B

Click here to view all FBA-A(9) technical drawings on my.daikin.eu

FBA60A9



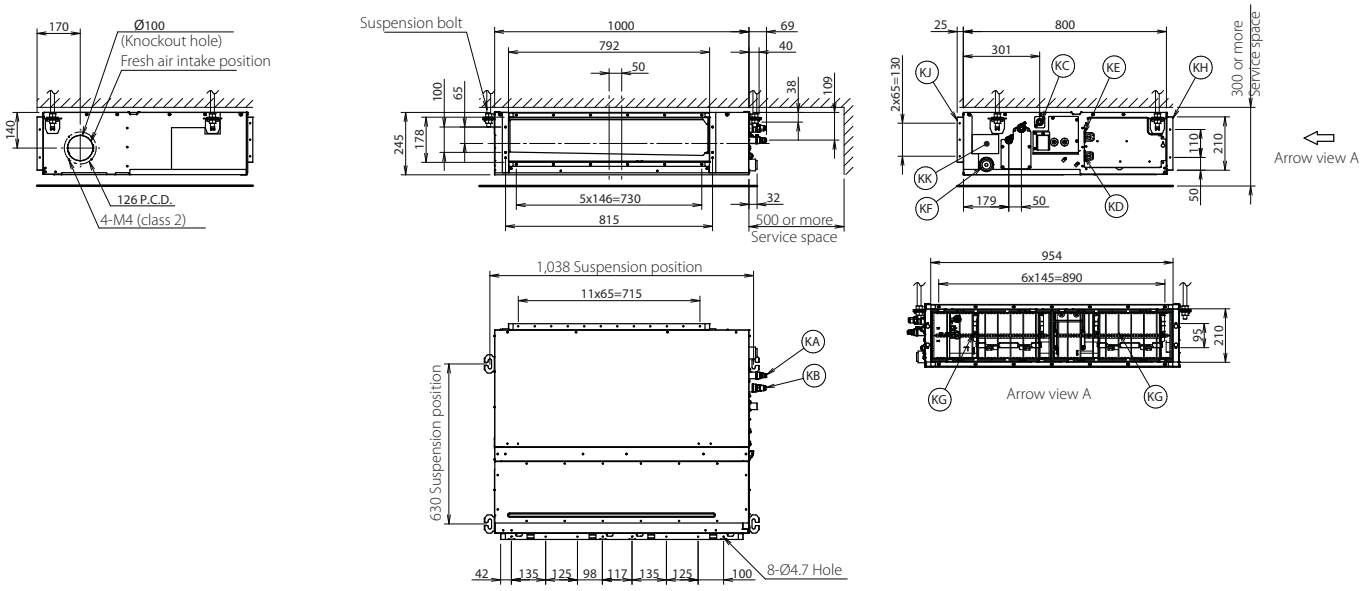
Item	Name	Description
KA	Liquid pipe connection port	ø6.35 flared connection
KB	Gas pipe connection port	ø12.70 flared connection
KC	Drain pipe connection	VP20 (OD ø26, ID ø20)
KD	Wiring connection	/
KE	Power supply connection	/
KF	Drain outlet	VP20 (OD ø26, ID ø20)
KG	Air filter	/
KH	Air suction side	/
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	/

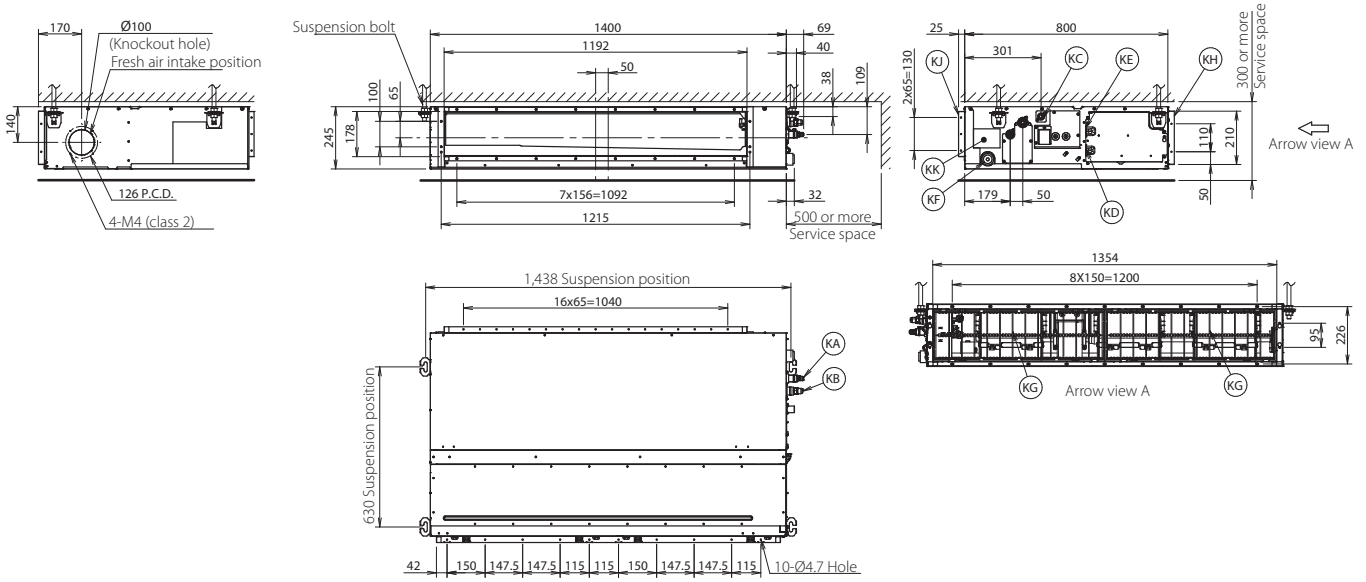
NOTES

1. When installing optional accessories, refer to their respective documentation.
2. The ceiling depth varies according to the documentation of the specific system.

3D094915B

Click here to view all FBA-A(9) technical drawings on my.daikin.eu

FBA100-140A



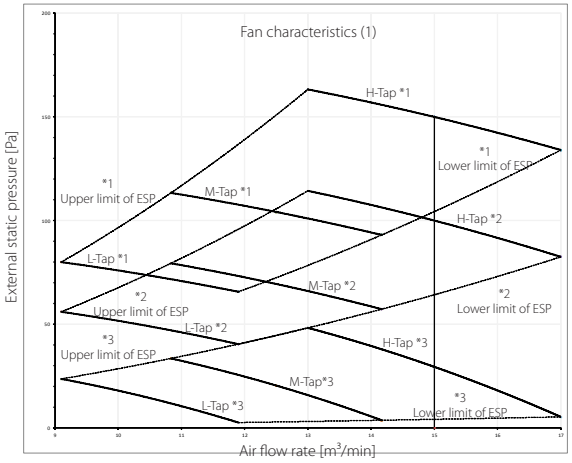
Item	Name	Description
KA	Liquid pipe connection port	ø9.52 flared connection
KB	Gas pipe connection port	ø15.90 flared connection
KC	Drain pipe connection	VP20 (OD ø26, ID ø20)
KD	Wiring connection	/
KE	Power supply connection	/
KF	Drain outlet	VP20 (OD ø26, ID ø20)
KG	Air filter	/
KH	Air suction side	/
KJ	Air discharge side	/
KK	Nameplate	/

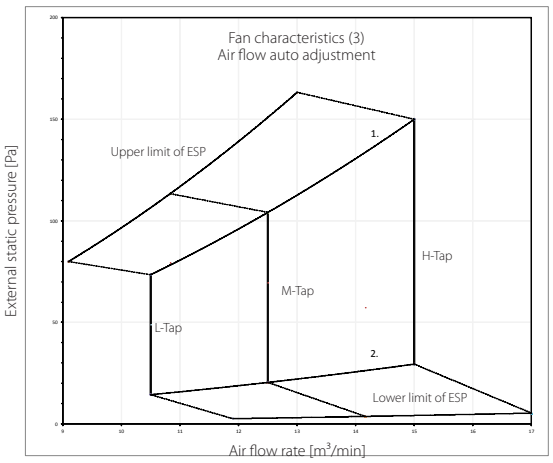
NOTES

1. When installing optional accessories, refer to their respective documentation.
2. The ceiling depth varies according to the documentation of the specific system.

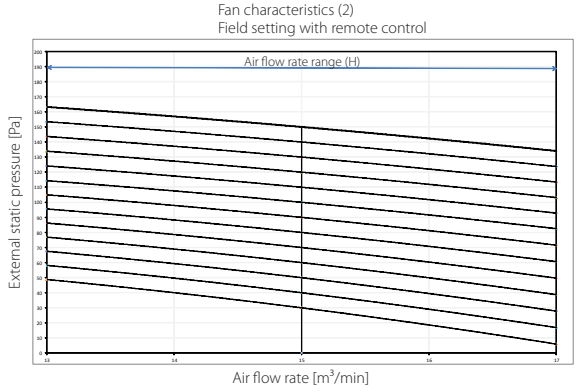
3D094914B

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

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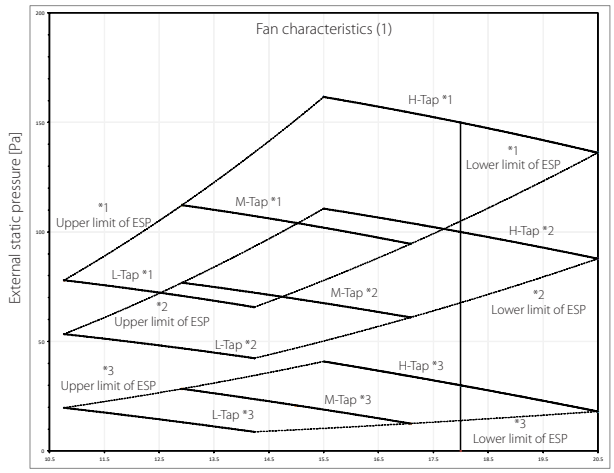
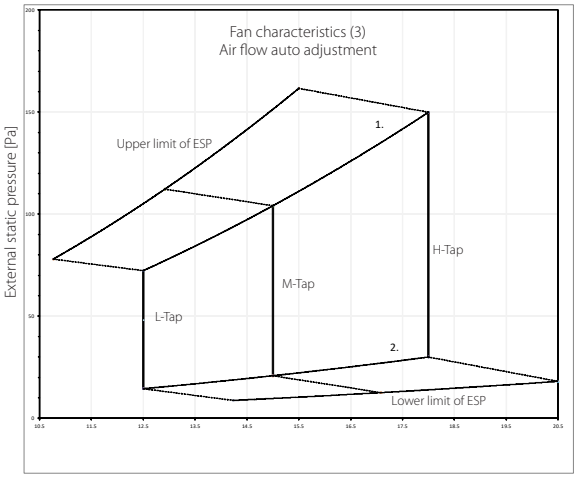
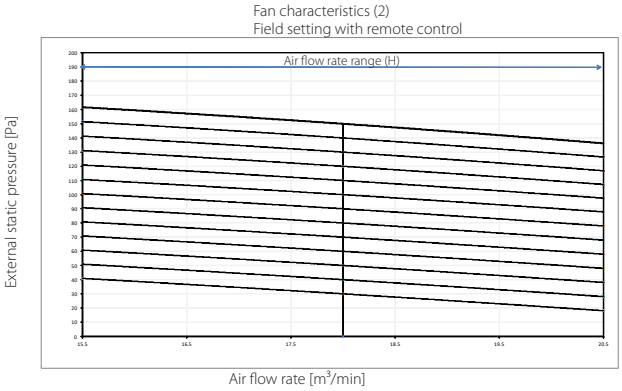
FBA60-71A9





1. Upper limit of ESP by air flow auto adjustment
2. Lower limit of ESP by air flow auto adjustment



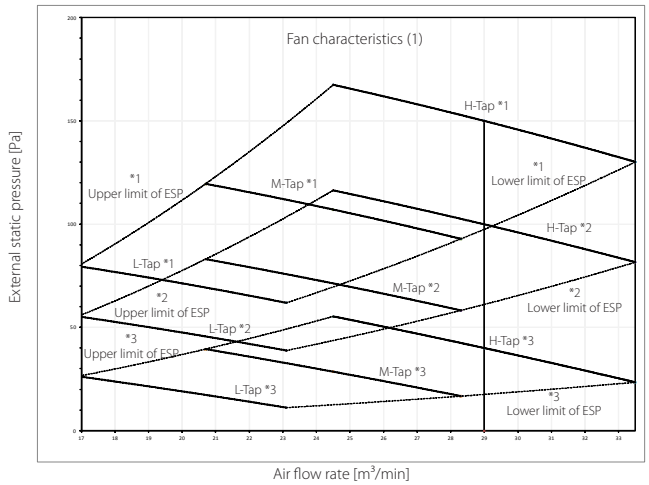
Mark		ESP [Pa]
*1	Maximum	150
*2	-	100
*3	Standard	30

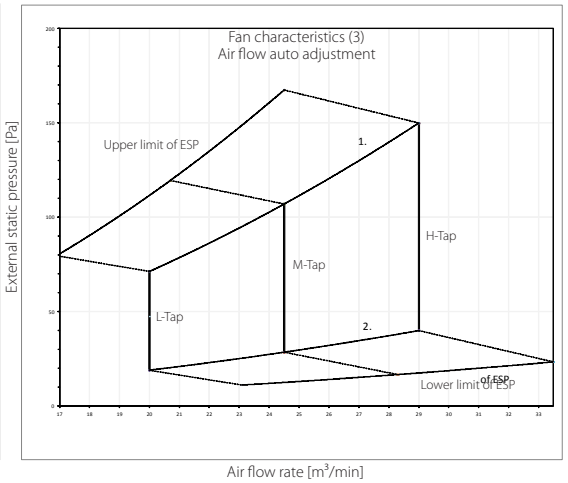
NOTES

1. The fan characteristics shown are in "fan only" mode.
2. ESP: External Static Pressure

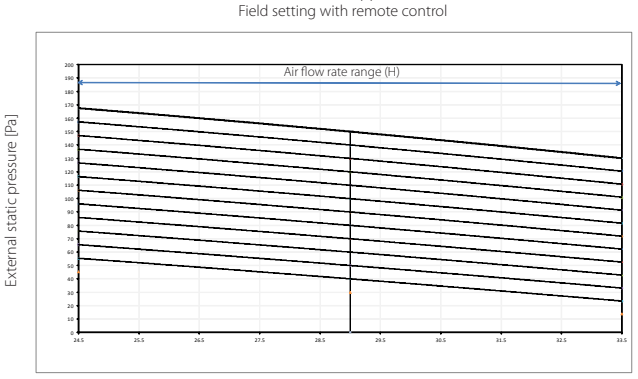
3D095524B

FBA100A





1. Upper limit of ESP by air flow auto adjustment
2. Lower limit of ESP by air flow auto adjustment



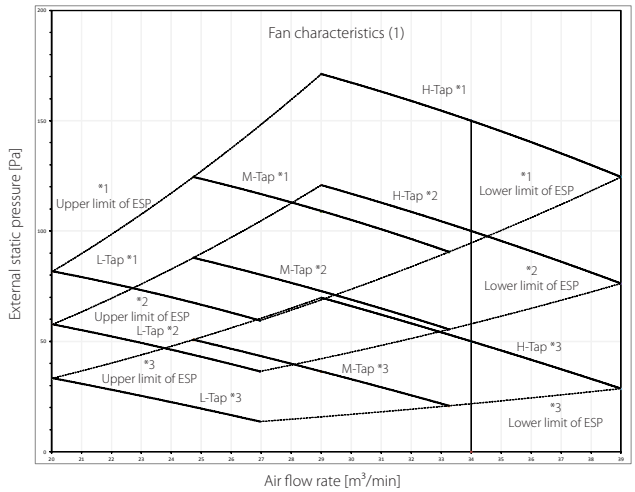
Mark		ESP [Pa]
*1	Maximum	150
*2	-	100
*3	Standard	30

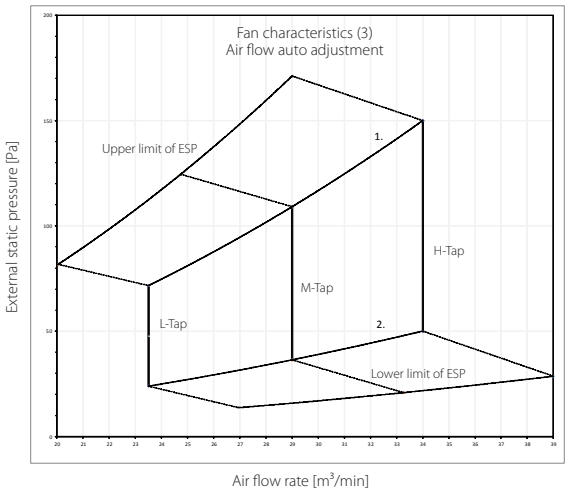
NOTES

1. The fan characteristics shown are in "fan only" mode.
2. ESP: External Static Pressure

3D095526B

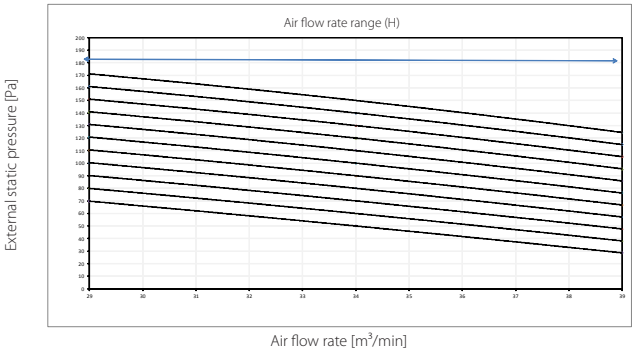
FBA125-140A





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

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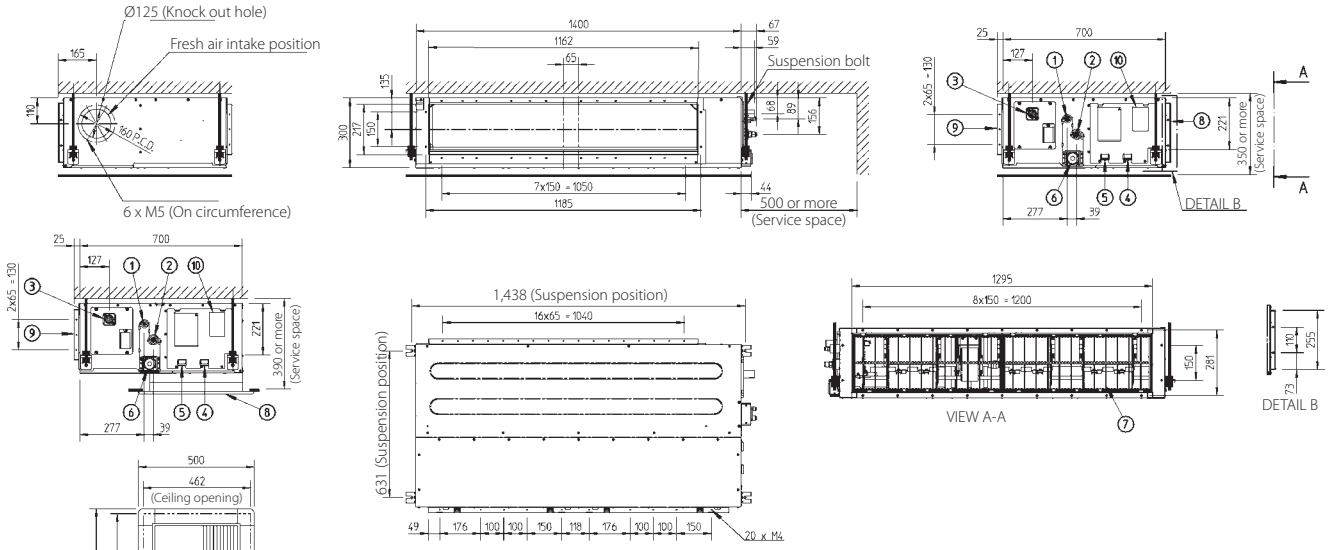
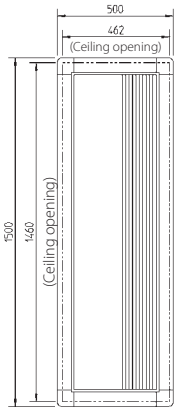
FDA125A





With decoration panel

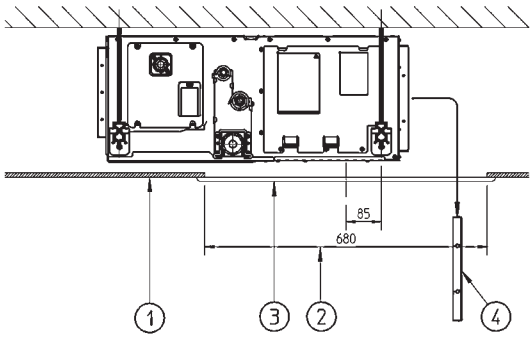
Item	Name	Description
1	Liquid pipe connection port	Ø9.52 Flare connection
2	Gas pipe connection port	Ø15.90 Flare connection
3	Drain pipe connection	VP25 (0D Ø32, ID Ø25)
4	Remote control wiring connection	-
5	Power supply connection	-
6	Drain hole	VP25 (OD ø 32, ID ø 25)
7	Air filter	-
8	Air suction side	-
9	Air discharge side	-
10	Nameplate	-

NOTES

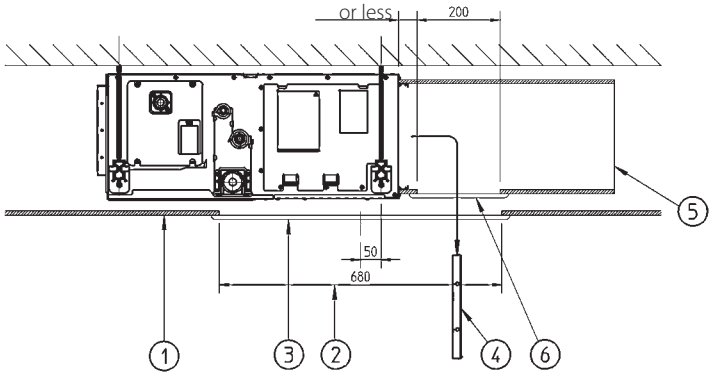
1. Refer to the outlook drawing of optional accessories when installing them.
2. The required ceiling depth varies according to the configuration of the specific
3. system.
4. For maintenance of the air filter, it is necessary to provide a service access
5. panel.
6. Optional decoration panel: BYBS125DJW1 (light ivory white 10Y9/0.5)

3TW31254-1B

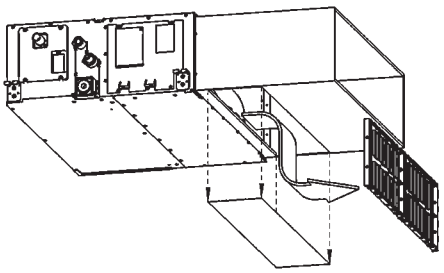
FDA125A



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

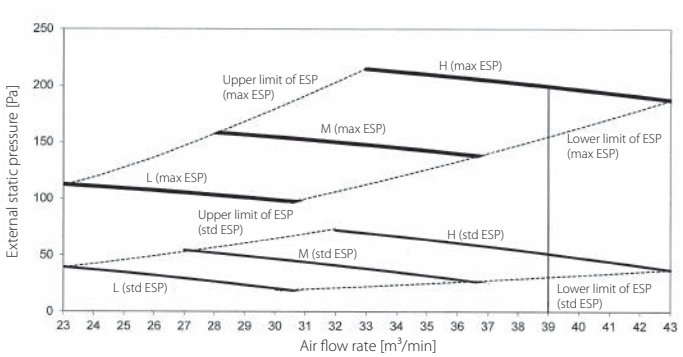
NOTES

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.

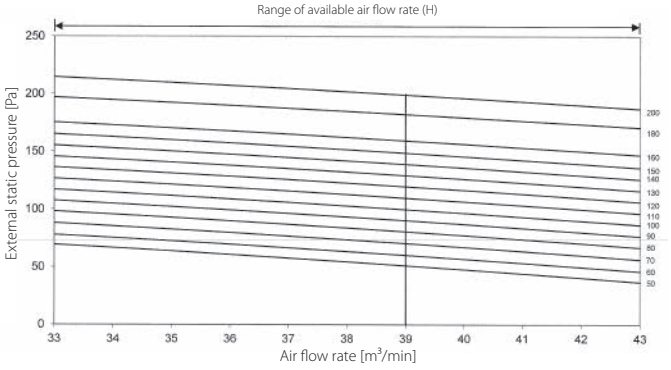
3TW31184-4

FDA125A

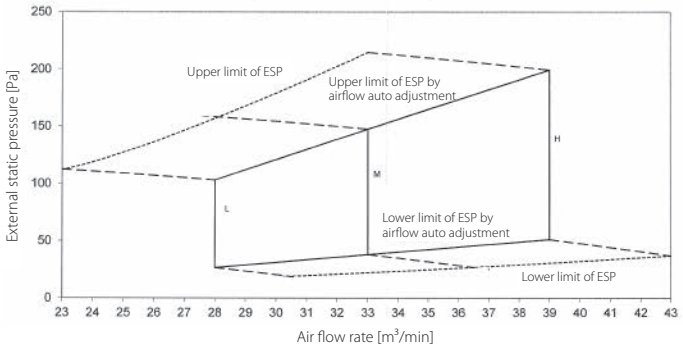
Fan characteristics (1)



Fan characteristics (2)
(field setting with remote control)



Fan characteristics (3)
(airflow auto adjustment)

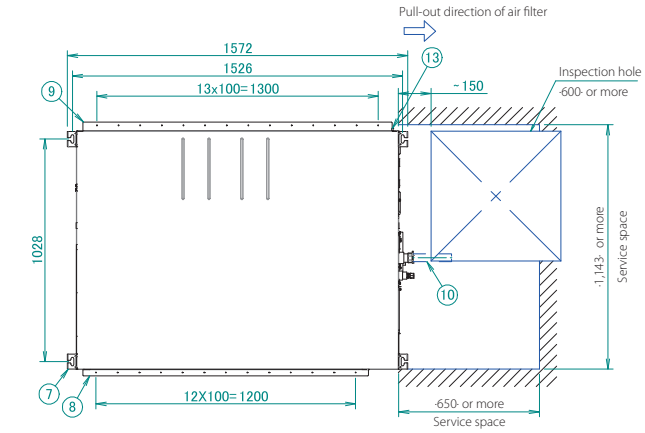


NOTES

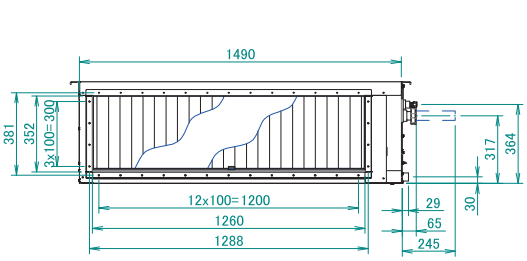
1. Fan characteristics as shown are in "fan only" mode.
2. ESP: External static pressure

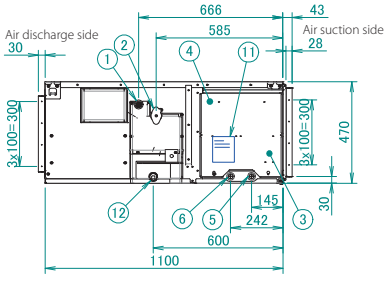
3D085254

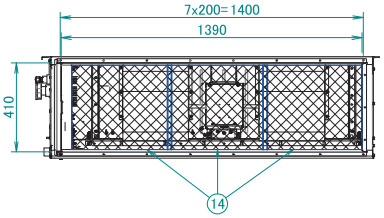
FDA200-250A



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

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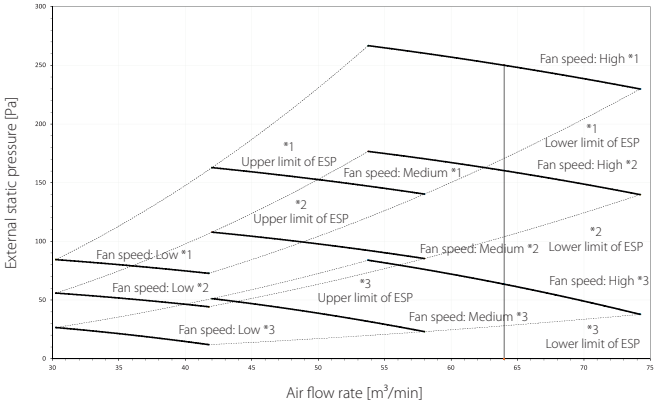
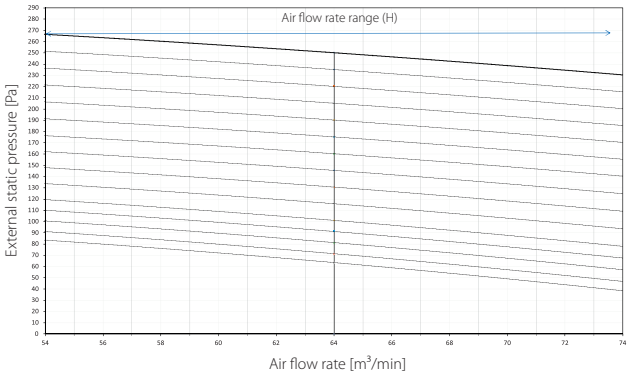
FDA200A

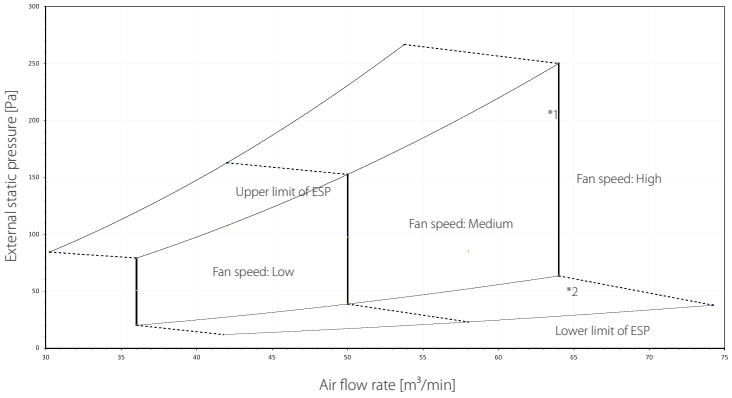
Fan characteristics (1)



Fan characteristics (2)
Field setting with remote control



Fan characteristics (3)
Air flow auto adjustment



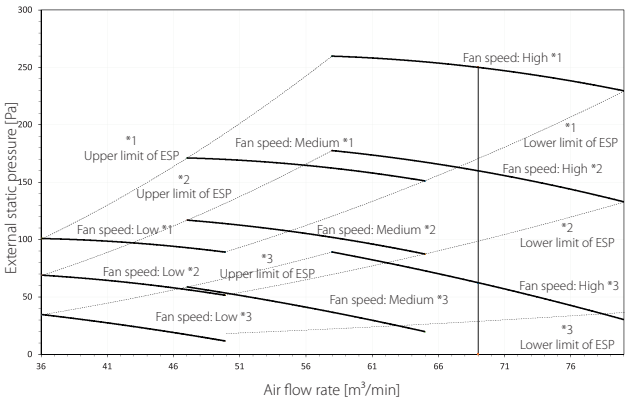
1. Upper limit of ESP by air flow auto adjustment
2. Lower limit of ESP by air flow auto adjustment

Mark		ESP [Pa]
*1	Maximum	
*2	-	160
*3	Standard	62

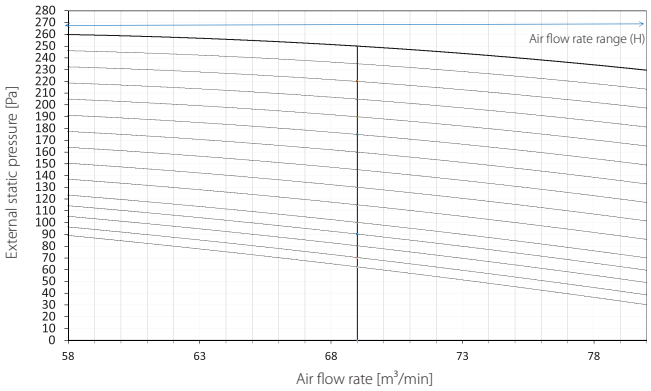
4D124460

FDA250A

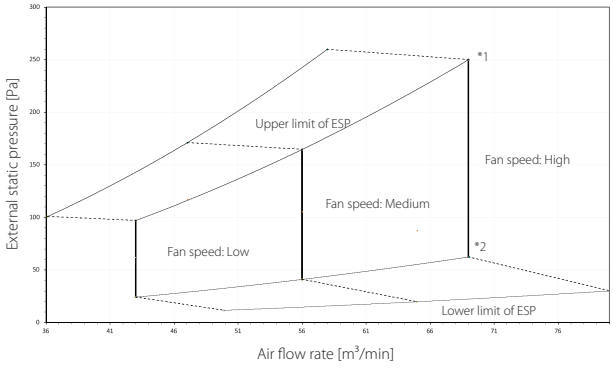
Fan characteristics (1)



Fan characteristics (2)
Field setting with remote control



Fan characteristics (3)
Air flow auto adjustment

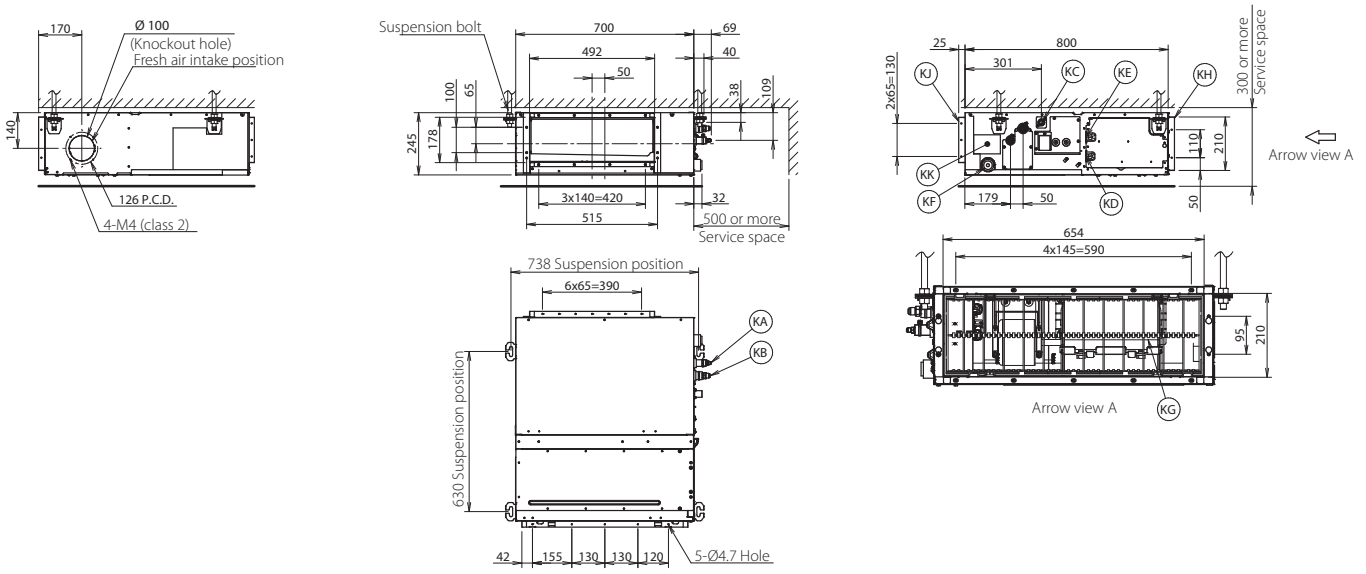


1. Upper limit of ESP by air flow auto adjustment
2. Lower limit of ESP by air flow auto adjustment

Mark		ESP [Pa]
*1	Maximum	250
*2	-	160
*3	Standard	62

4D124478

ADEA35A



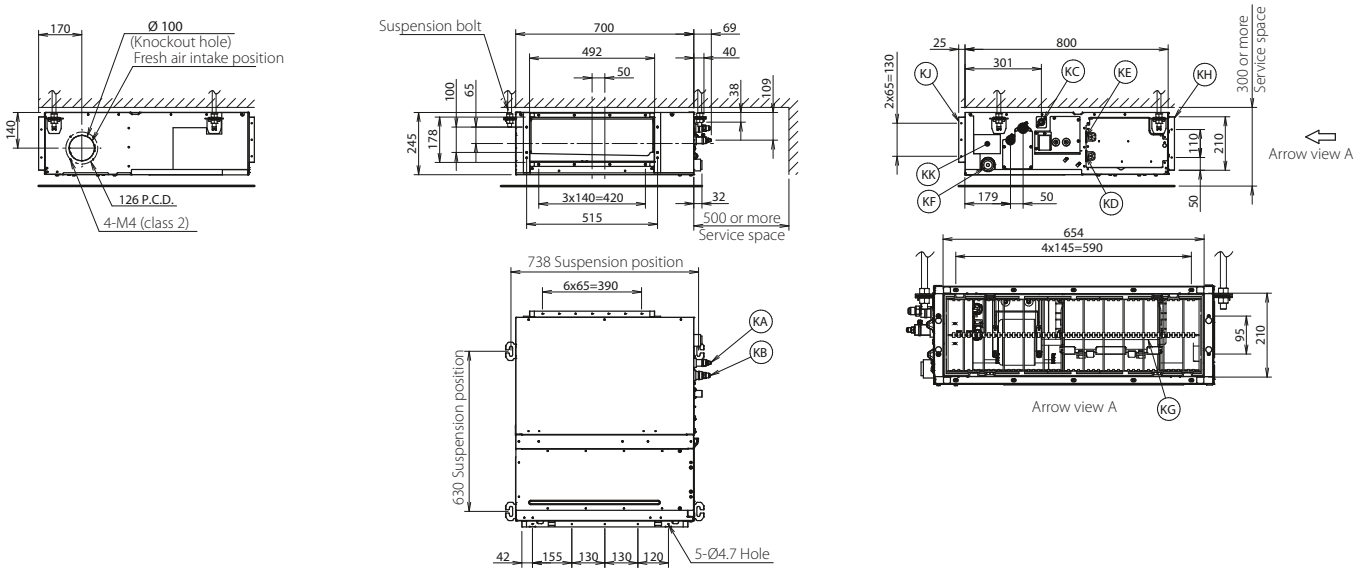
Item	Name	Description
KA	Liquid pipe connection port	ø6.35 flared connection
KB	Gas pipe connection port	ø9.52 flared connection
KC	Drain pipe connection	VP20 (OD ø26, ID ø20)
KD	Wiring connection	/
KE	Power supply connection	/
KF	Drain outlet	VP20 (OD ø26, ID ø20)
KG	Air filter	/
KH	Air suction side	/
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

ADEA50A



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

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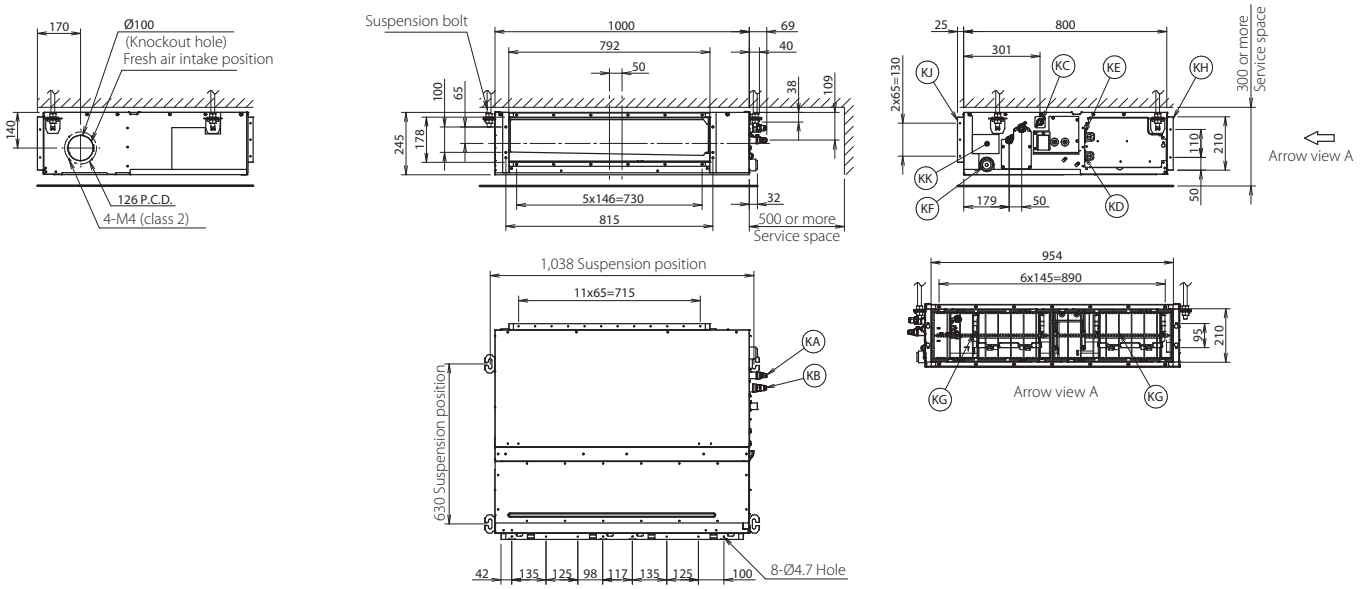
ADEA60A



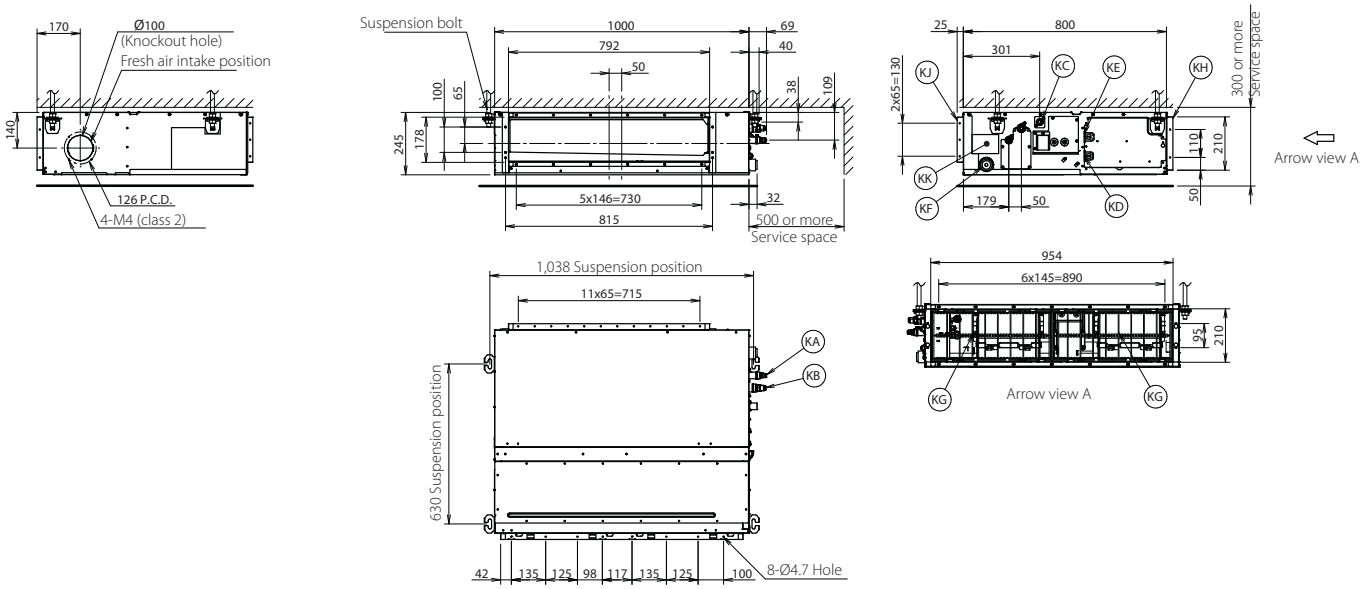
Item	Name	Description
KA	Liquid pipe connection port	ø6.35 flared connection
KB	Gas pipe connection port	ø12.70 flared connection
KC	Drain pipe connection	VP20 (OD ø26, ID ø20)
KD	Wiring connection	/
KE	Power supply connection	/
KF	Drain outlet	VP20 (OD ø26, ID ø20)
KG	Air filter	/
KH	Air suction side	/
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

ADEA71A



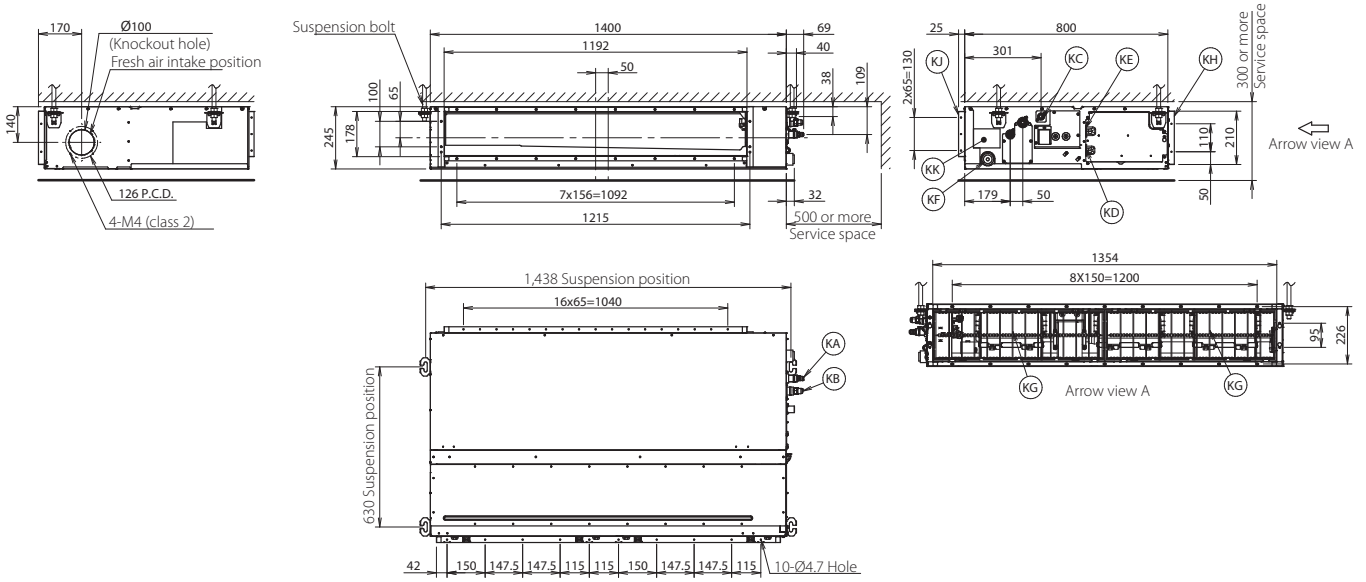
Item	Name	Description
KA	Liquid pipe connection port	ø9.52 flared connection
KB	Gas pipe connection port	ø15.90 flared connection
KC	Drain pipe connection	VP20 (OD ø26, ID ø20)
KD	Wiring connection	/
KE	Power supply connection	/
KF	Drain outlet	VP20 (OD ø26, ID ø20)
KG	Air filter	/
KH	Air suction side	/
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



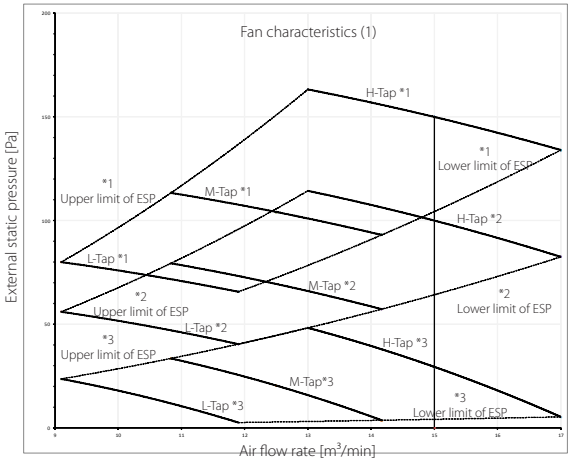
Item	Name	Description
KA	Liquid pipe connection port	ø9.52 flared connection
KB	Gas pipe connection port	ø15.90 flared connection
KC	Drain pipe connection	VP20 (OD ø26, ID ø20)
KD	Wiring connection	/
KE	Power supply connection	/
KF	Drain outlet	VP20 (OD ø26, ID ø20)
KG	Air filter	/
KH	Air suction side	/
KJ	Air discharge side	/
KK	Nameplate	/

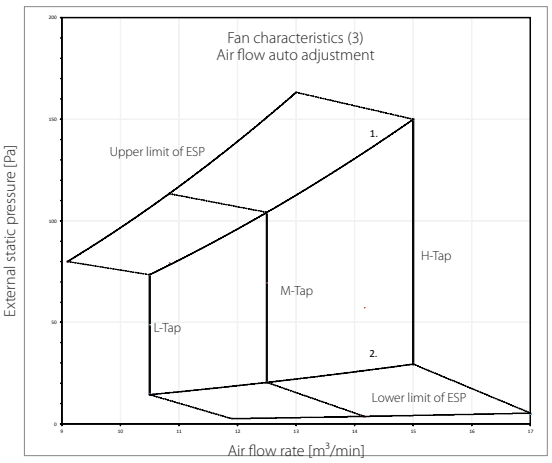
NOTES

1. When installing optional accessories, refer to their respective documentation.
2. The ceiling depth varies according to the documentation of the specific system.

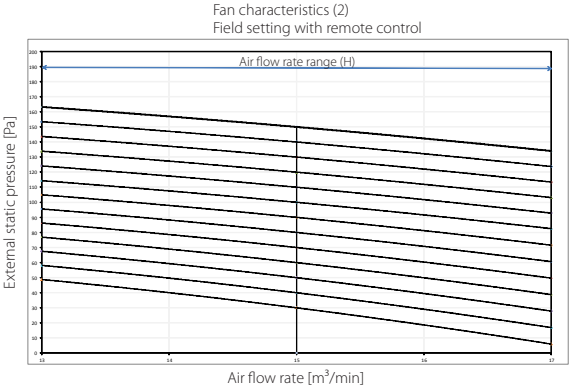
3D094914B

ADEA35-50A





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

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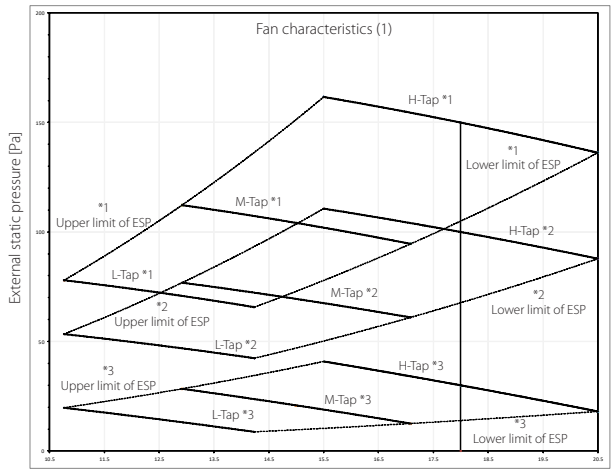
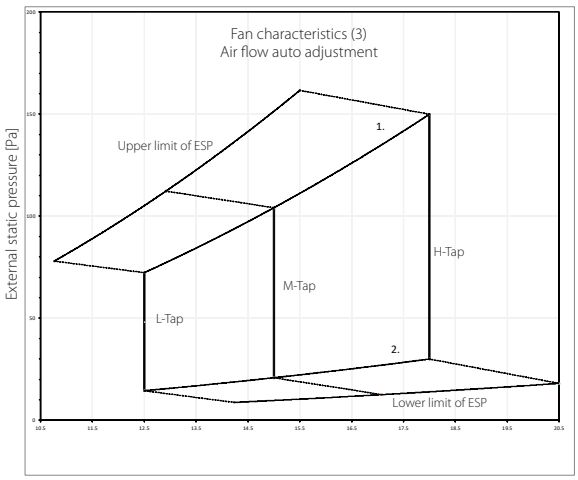
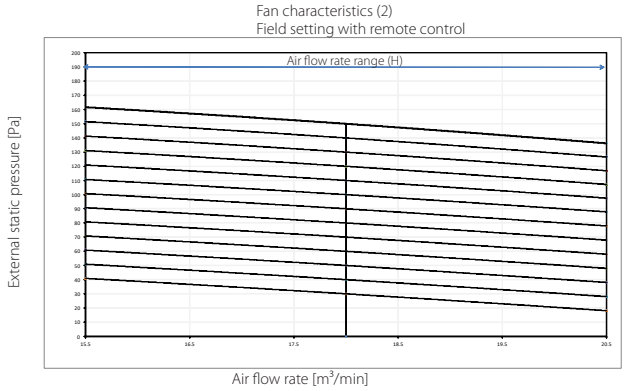
ADEA60-71A





1. Upper limit of ESP by air flow auto adjustment
2. Lower limit of ESP by air flow auto adjustment



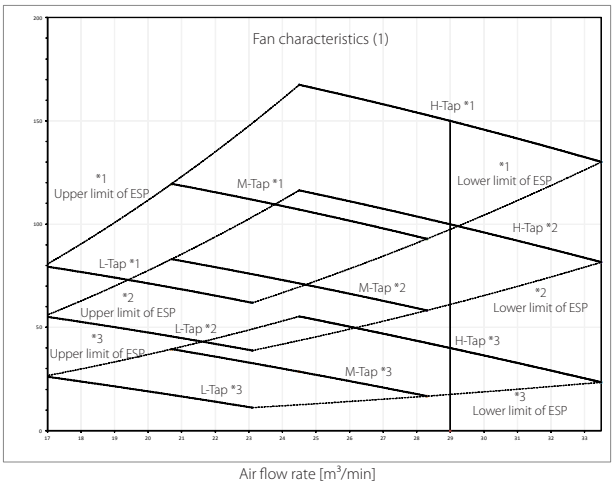
Mark		ESP [Pa]
*1	Maximum	150
*2	-	100
*3	Standard	30

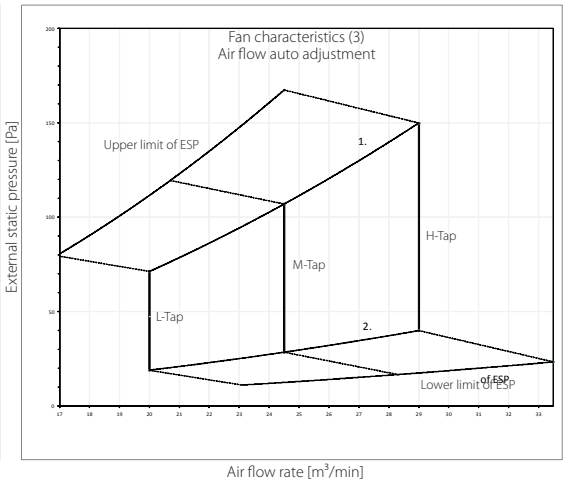
NOTES

1. The fan characteristics shown are in "fan only" mode.
2. ESP: External Static Pressure

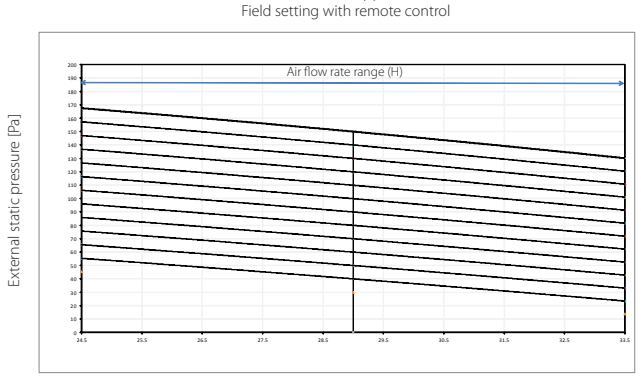
3D095524B

ADEA100A





1. Upper limit of ESP by air flow auto adjustment
2. Lower limit of ESP by air flow auto adjustment



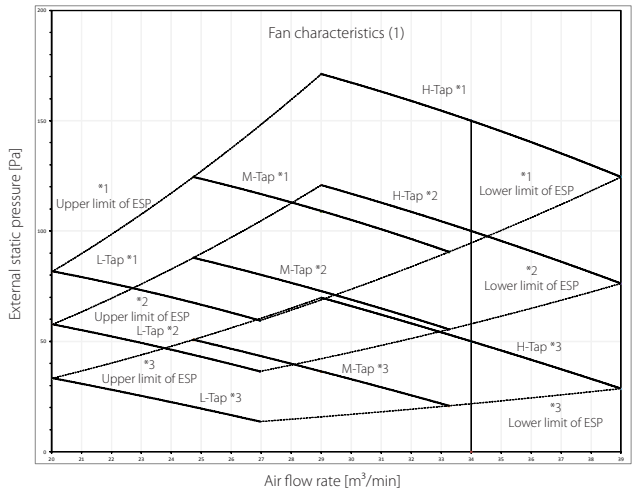
Mark		ESP [Pa]
*1	Maximum	150
*2	-	100
*3	Standard	30

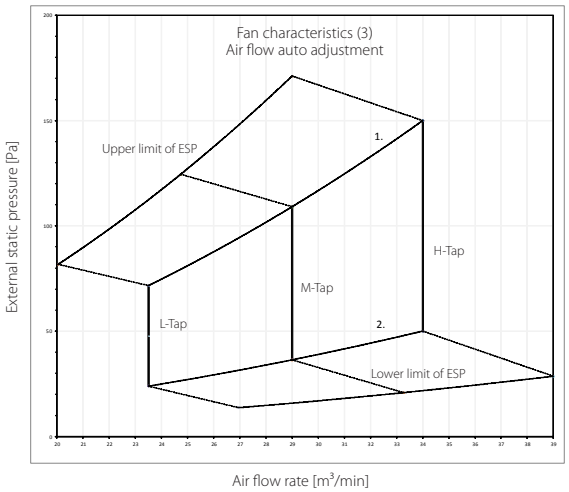
NOTES

1. The fan characteristics shown are in "fan only" mode.
2. ESP: External Static Pressure

3D095526B

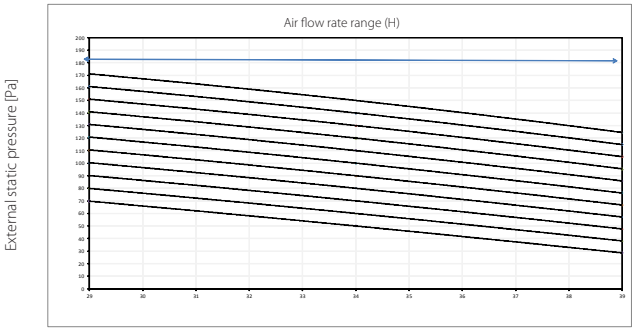
ADEA125A





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

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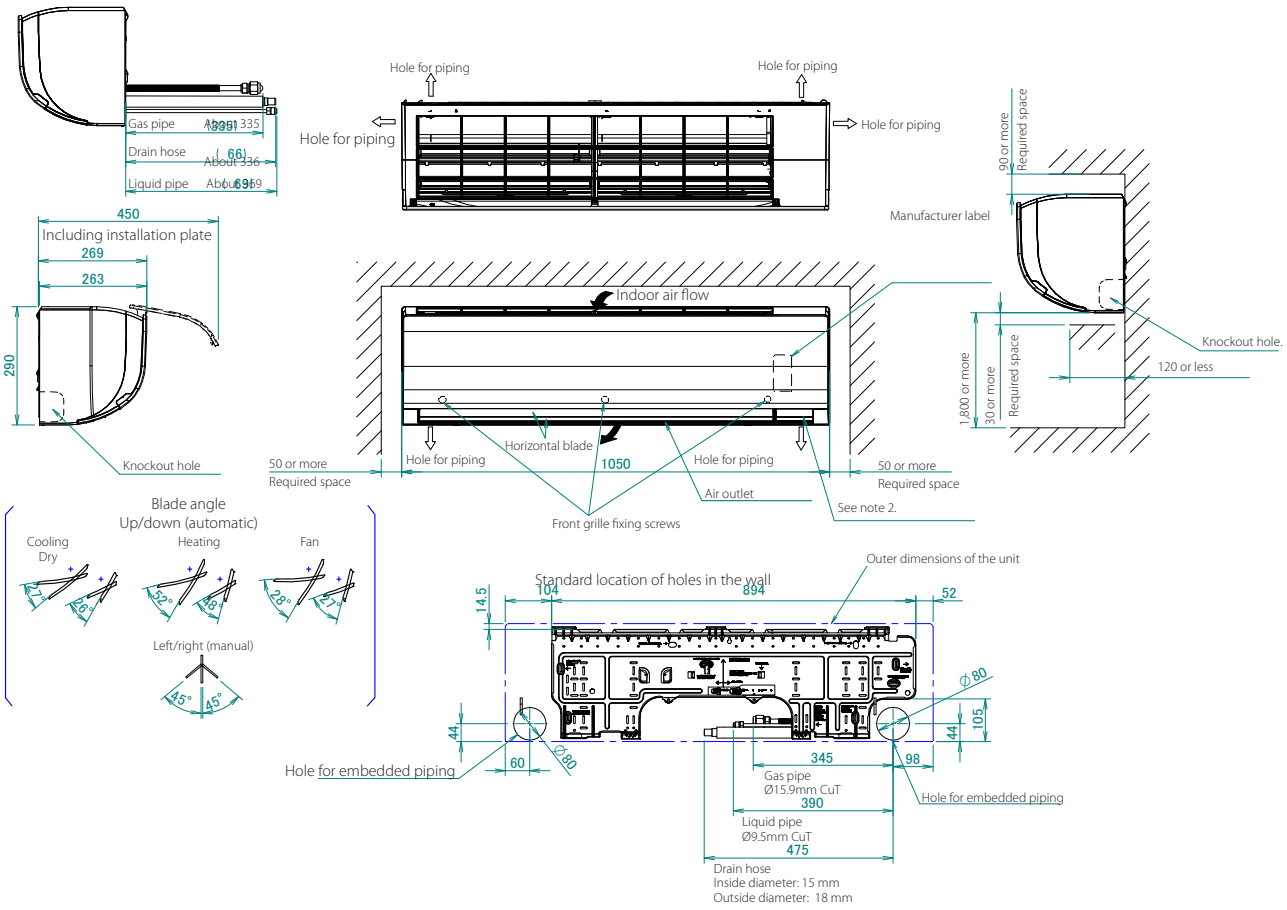
FAA71B

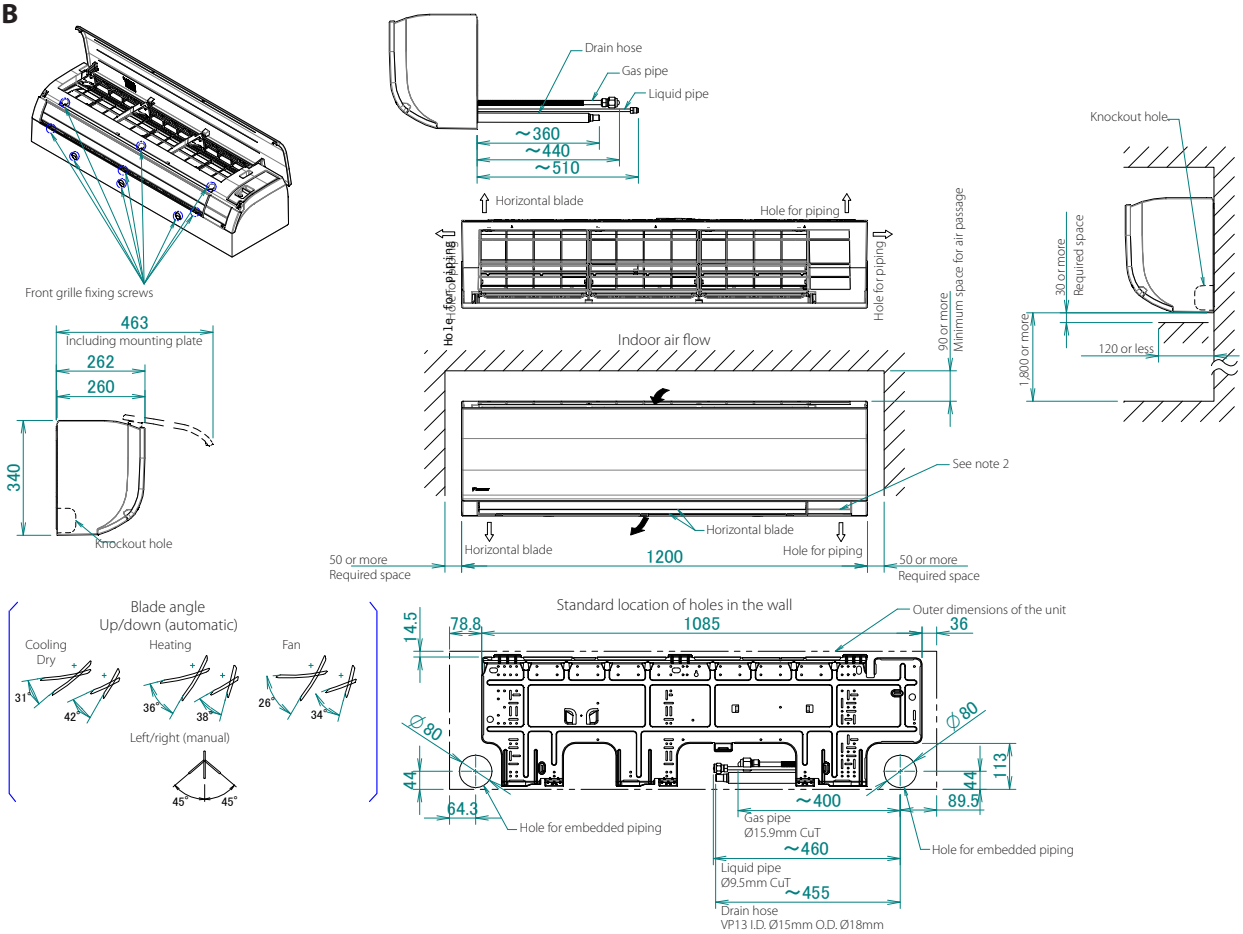


NOTES

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

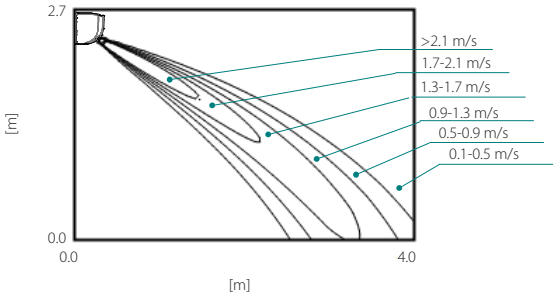
1. The mark (➥) shows piping direction
2. When installing a wireless controller, there will be a receiver on this location. For details, see the drawing of the wireless controller.
3. Do not place any objects under the indoor unit. In case of high humidity (>80%), clogged drain outlets, or dirty air filters, condensate may drop out.

3D135741

FAA71B

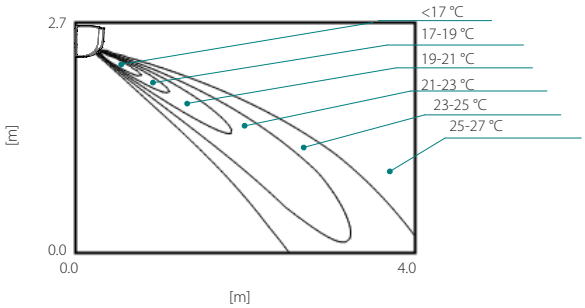
Air velocity distribution (cooling)

Air flow direction: horizontal



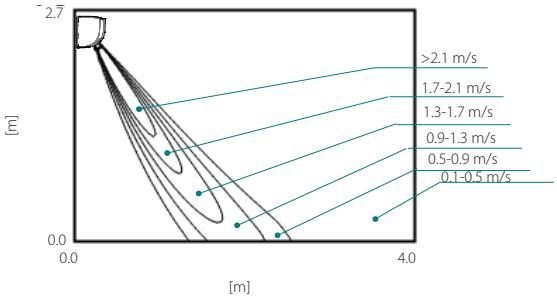
Air temperature distribution (cooling)

Air flow direction: horizontal



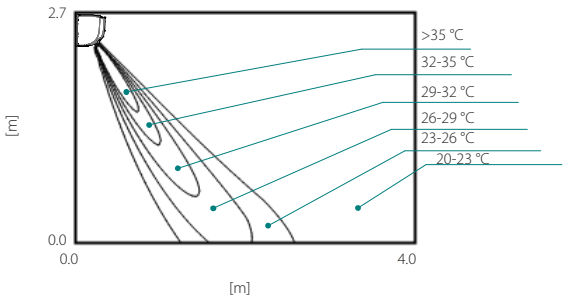
Air velocity distribution (heating)

Air flow direction: vertical



Air temperature distribution (heating)

Air flow direction: vertical

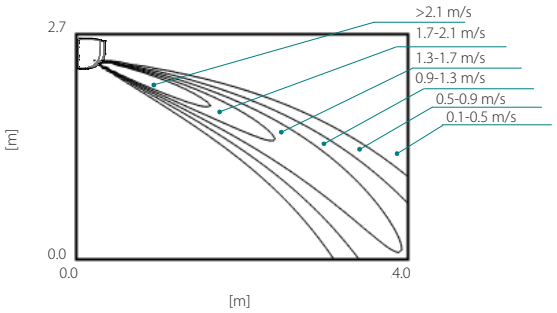


3D137553

FAA100B

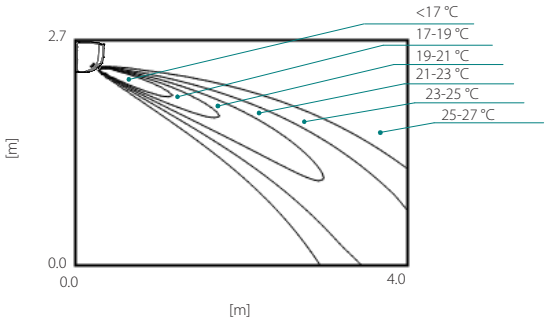
Air velocity distribution (cooling)

Air flow direction: horizontal



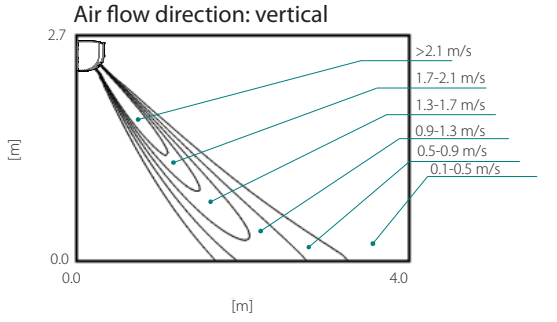
Air temperature distribution (cooling)

Air flow direction: horizontal



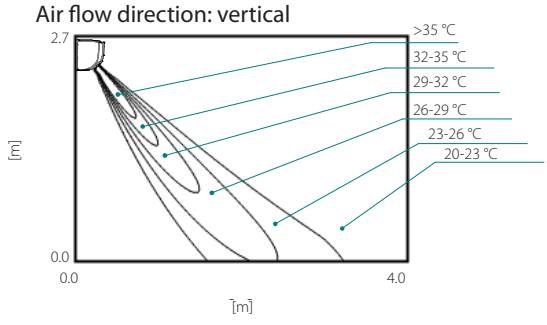
Air velocity distribution (heating)

Air flow direction: vertical



Air temperature distribution (heating)

Air flow direction: vertical



3D137557

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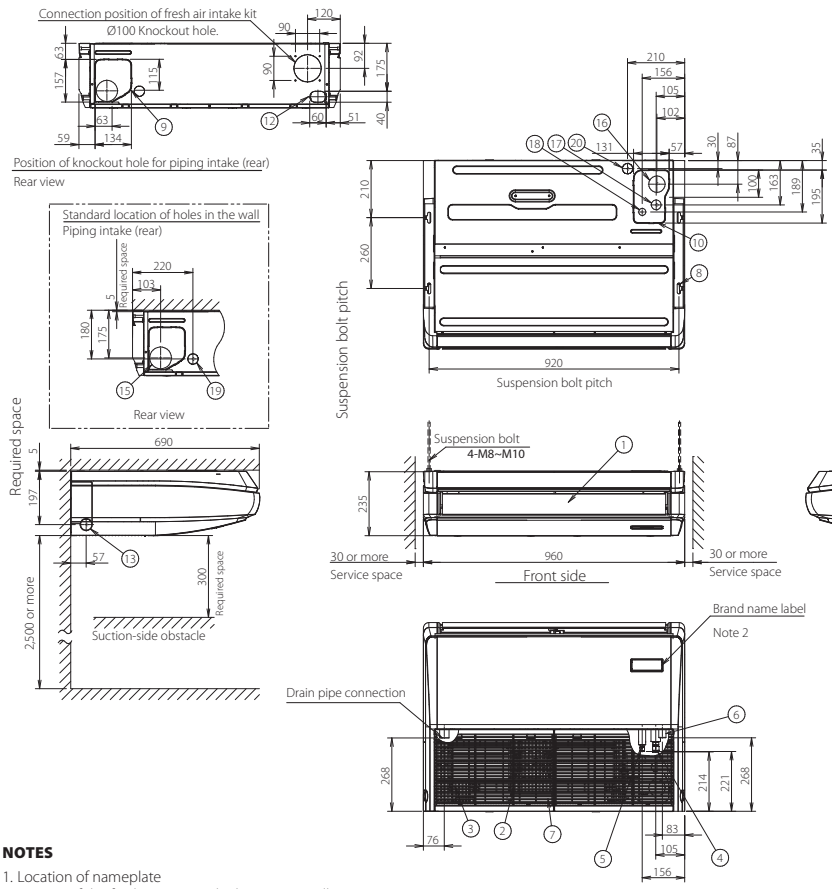
FHA35A9



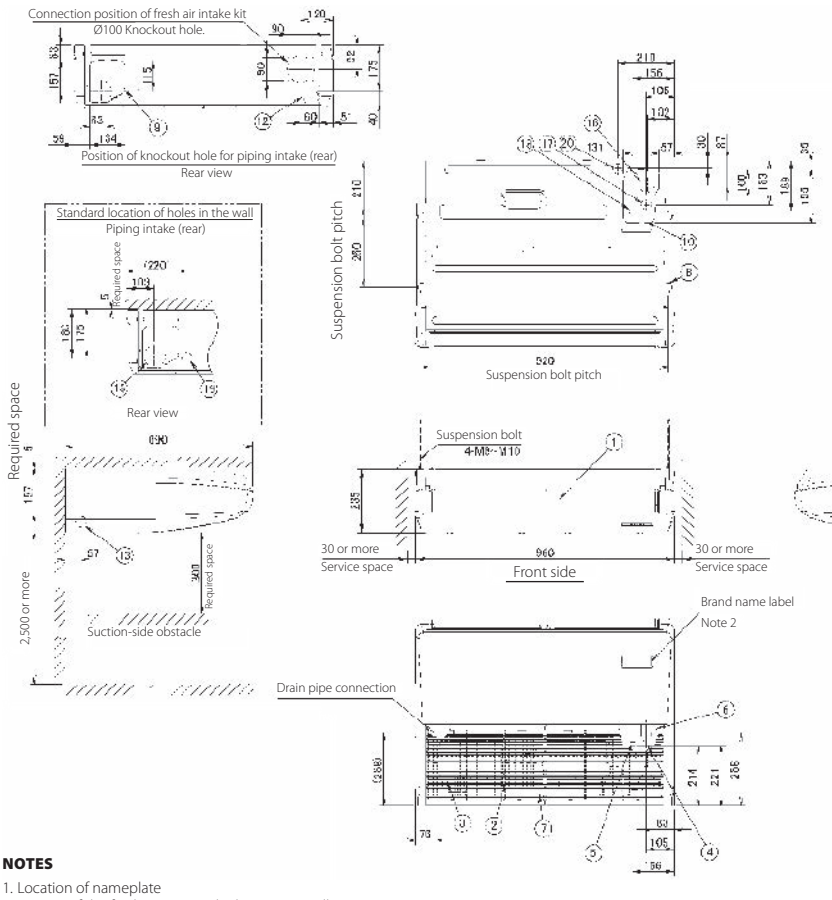
Number	Name	Description
1	Air discharge grille	
2	Air suction grille	
3	Air filter	
4	Gas pipe connection Ø9.5 flare	
5	Liquid pipe connection Ø6.4 flare	
6	Drain pipe connection	VP20
7	Terminal block with earth terminal Located inside of the unit	M4
8	Metal hanger	
9	Position of knockout hole	Rear side
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



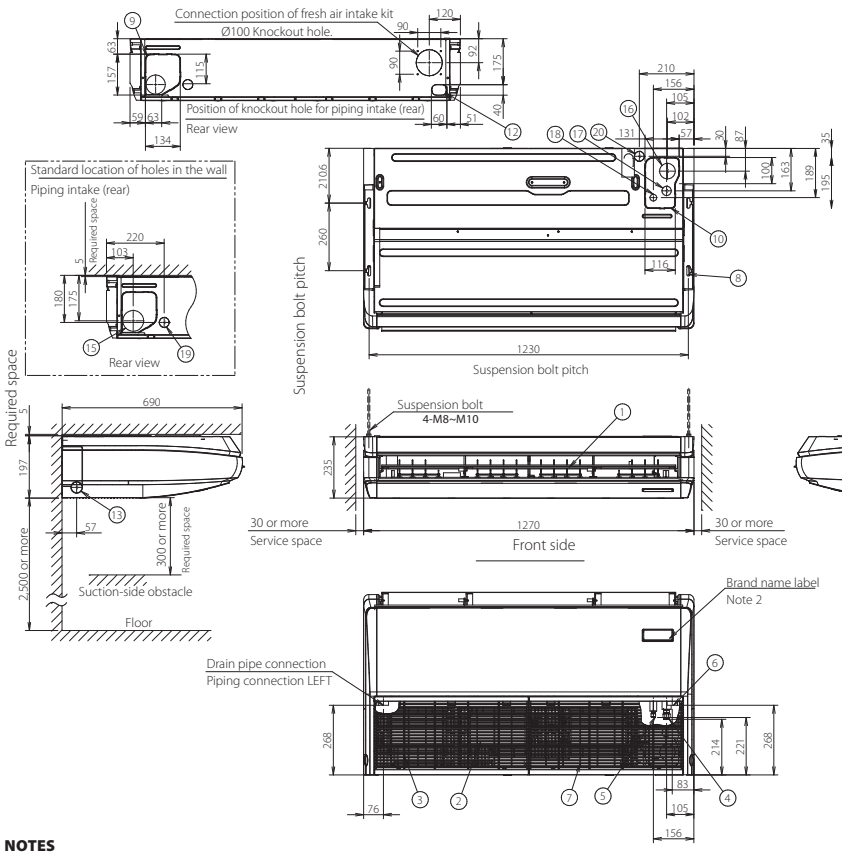
Number	Name	Description
1	Air discharge grille	
2	Air suction grille	
3	Air filter	
4	Gas pipe connection Ø12.7 flare	
5	Liquid pipe connection Ø6.4 flare	
6	Drain pipe connection	VP20
7	Terminal block with earth terminal Located inside of the unit	M4
8	Metal hanger	
9	Position of knockout hole	Rear 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



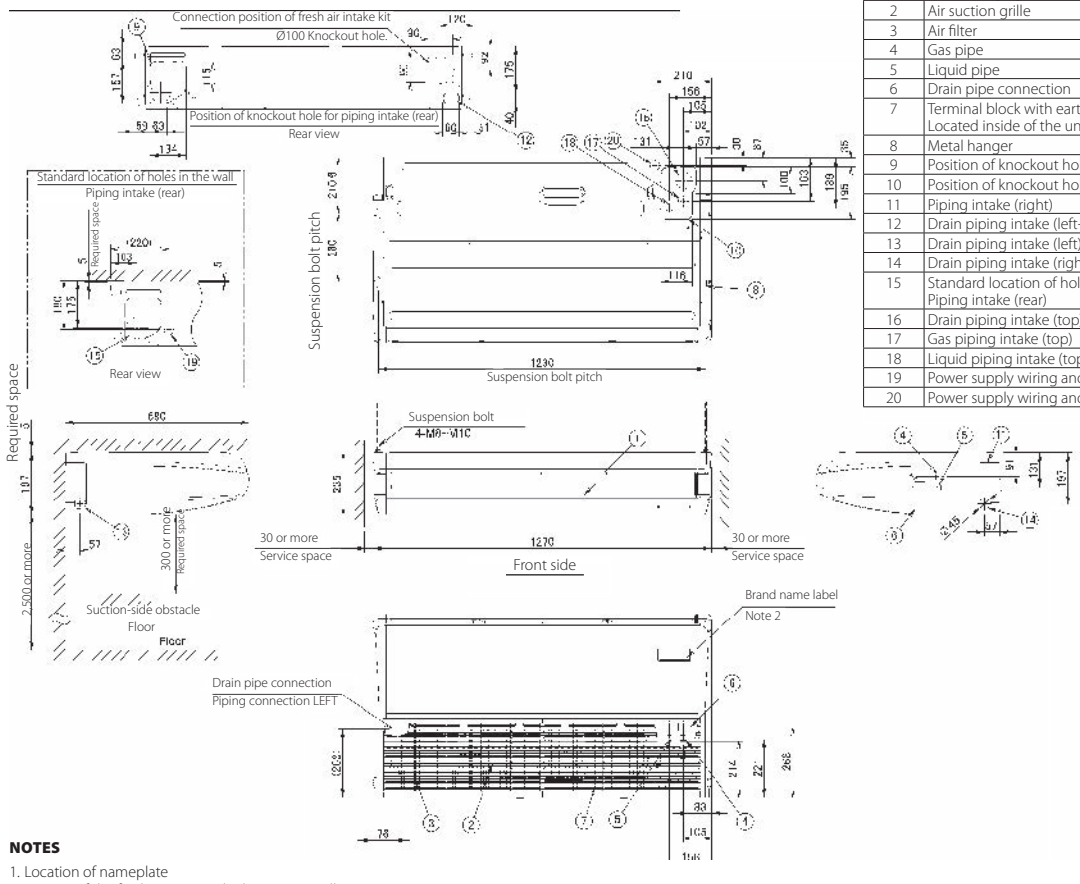
Number	Name	Description
1	Air discharge grille	
2	Air suction grille	
3	Air filter	
4	Gas pipe	Ø12.7 flare
5	Liquid pipe	Ø6.4 flare
6	Drain pipe connection	VP20
7	Terminal block with earth terminal Located inside of the unit	M4
8	Metal hanger	
9	Position of knockout hole	Rear side
10	Position of knockout 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

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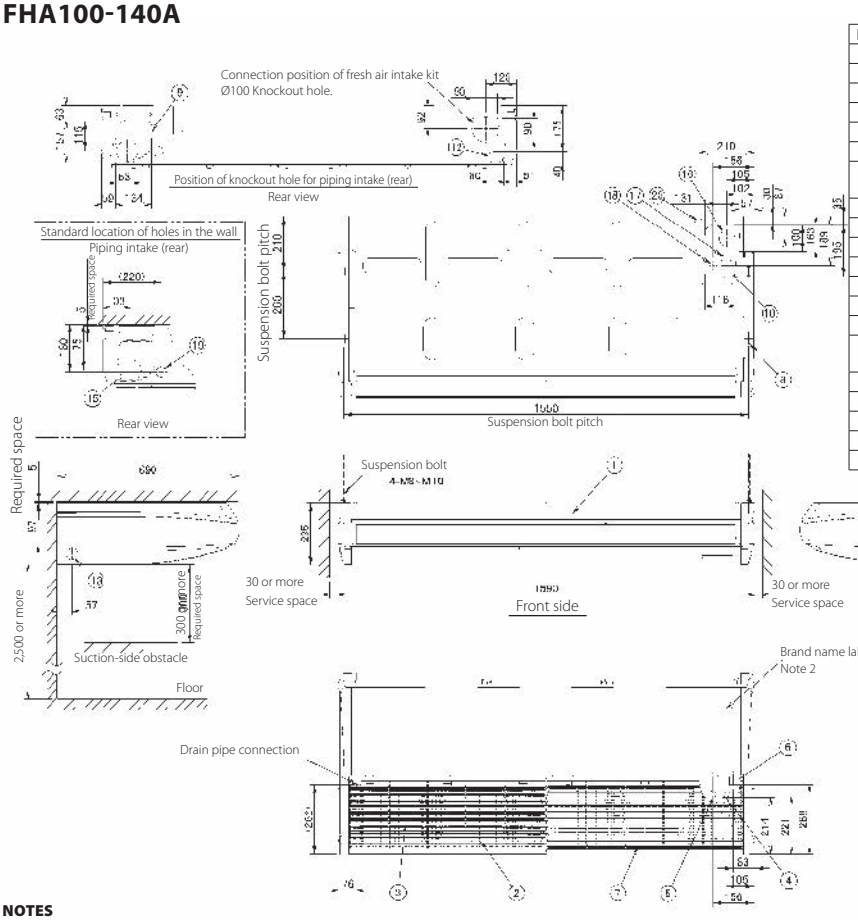
FHA100-140A



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

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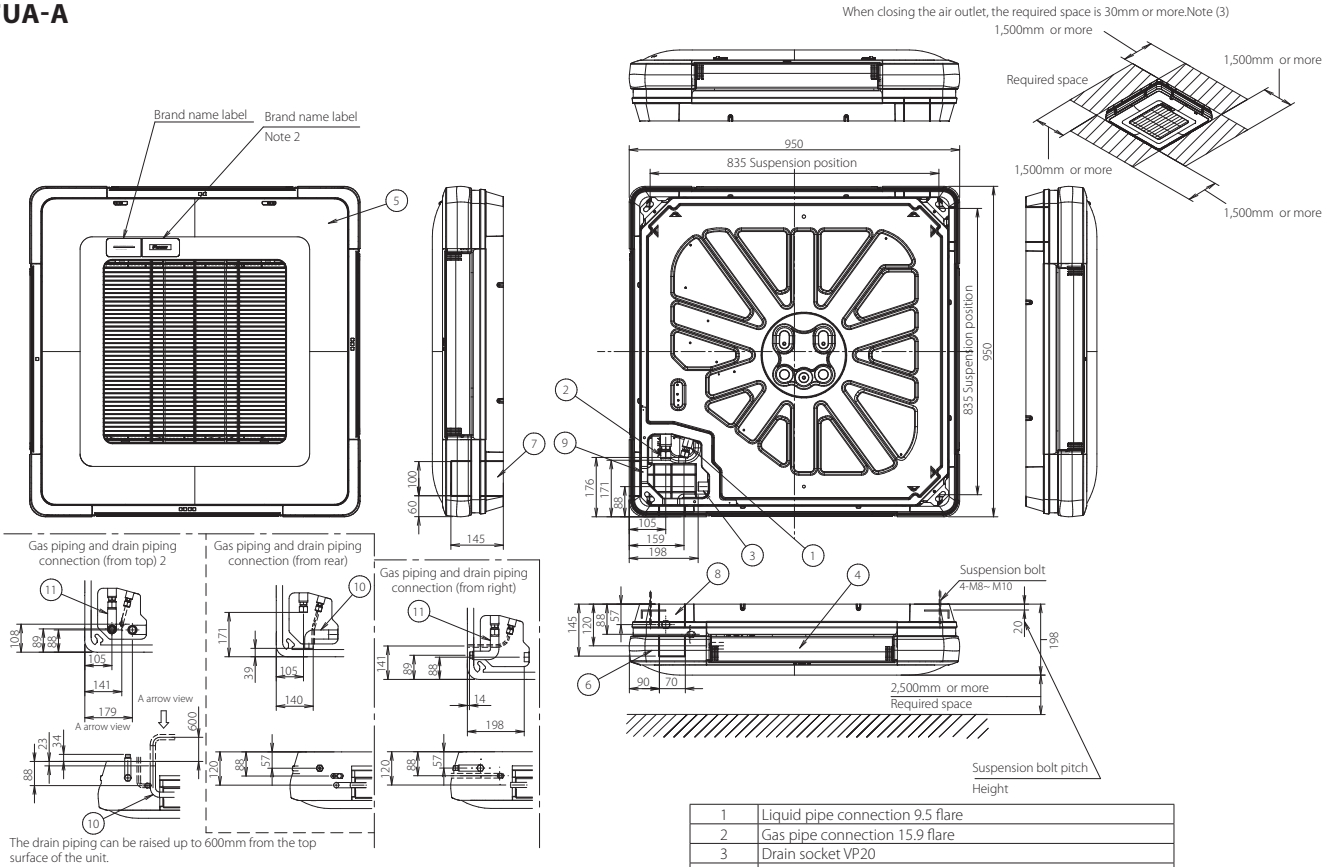
FUA-A



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

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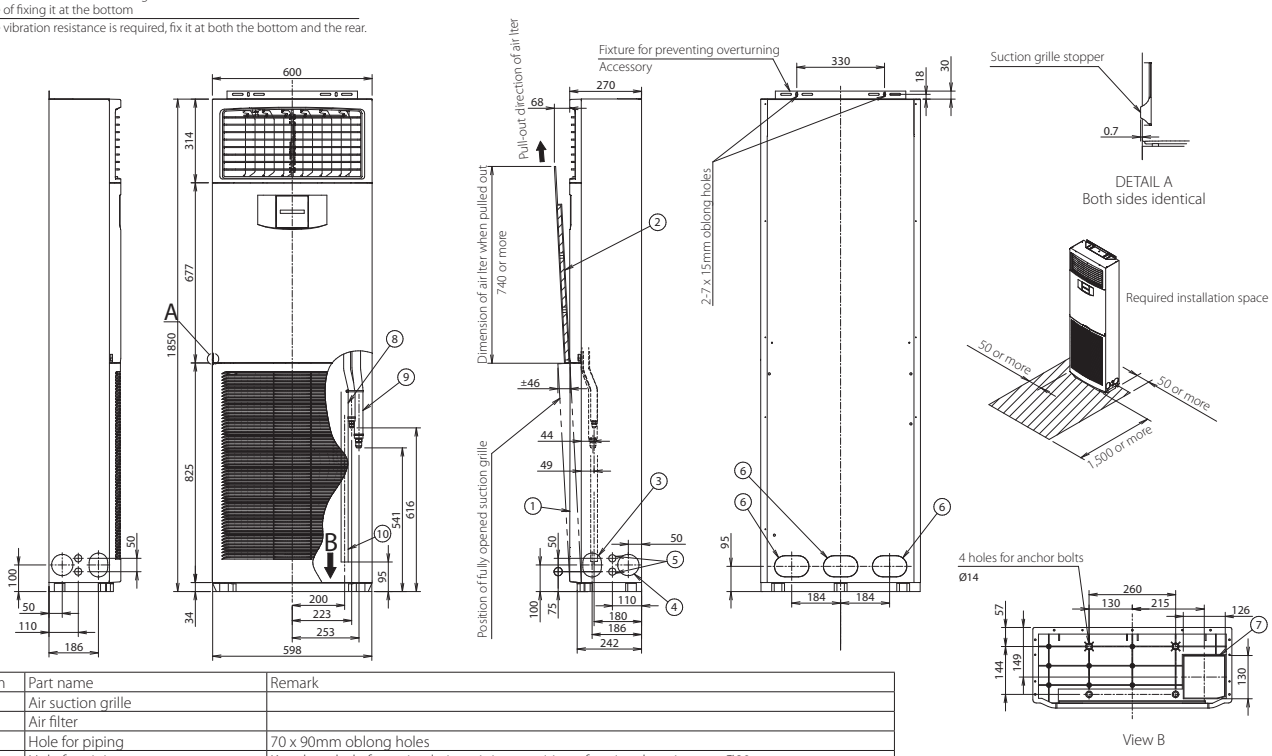
FVA71A

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

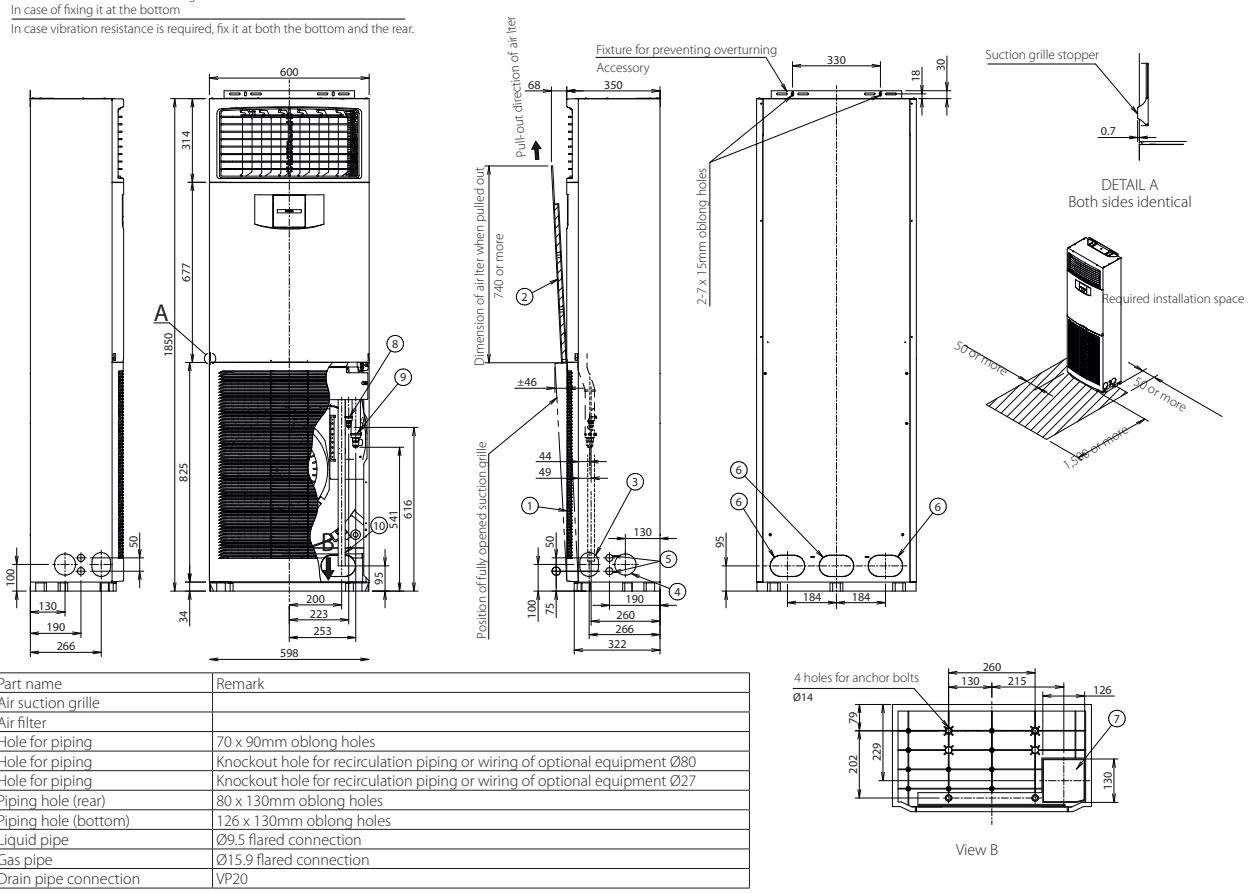
NOTES

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.



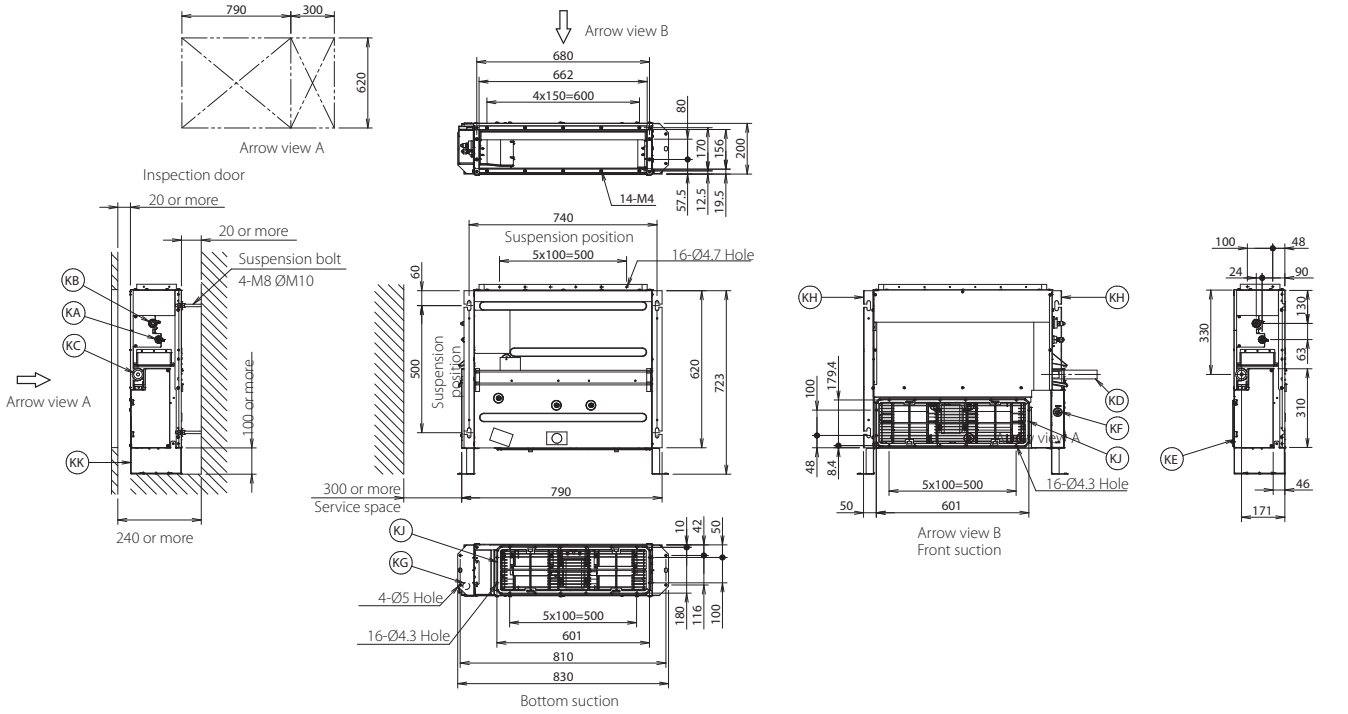
Item	Part name	Remark
1	Air suction grille	
2	Air filter	
3	Hole for piping	70 x 90mm oblong holes
4	Hole for piping	Knockout hole for recirculation piping or wiring of optional equipment Ø80
5	Hole for piping	Knockout hole for recirculation piping or wiring of optional equipment Ø27
6	Piping hole (rear)	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



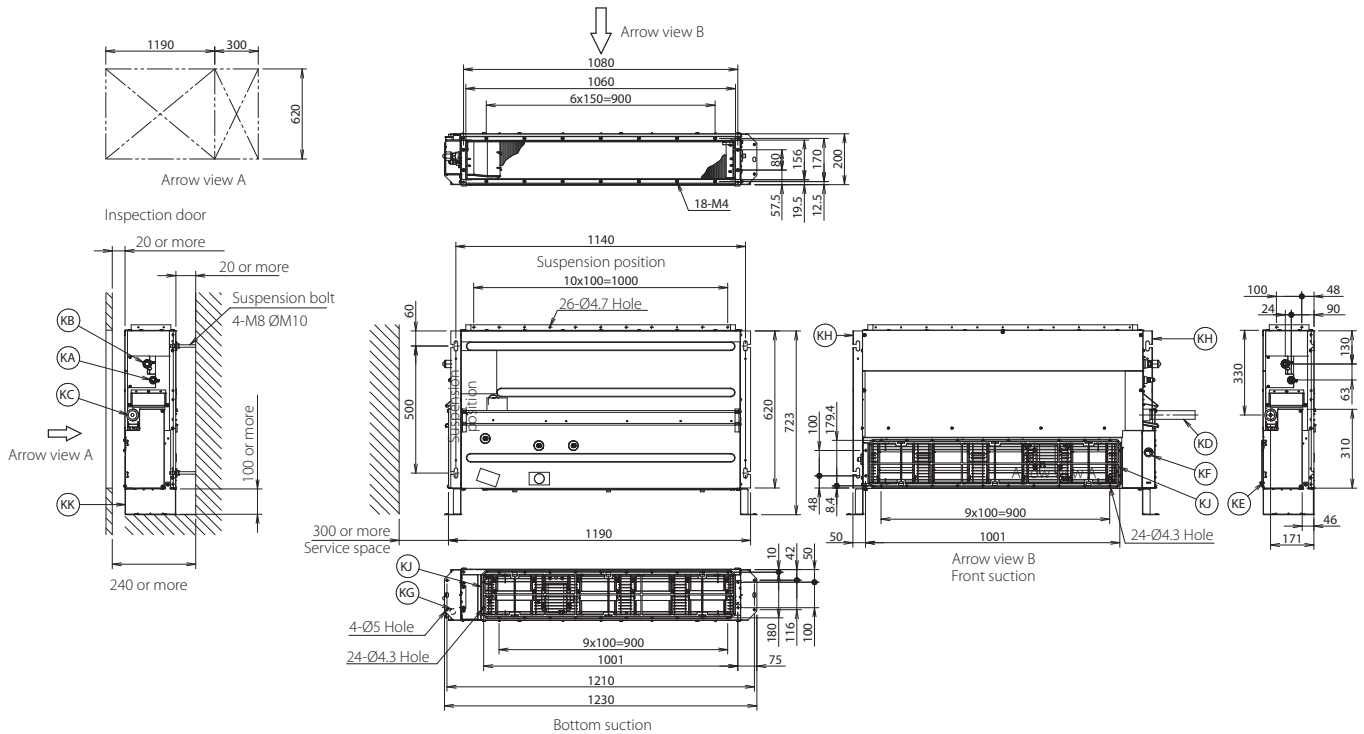
Item	Name	Description
KA	Liquid pipe connection port	Ø6.40 flared connection
KB	Gas pipe connection port	Ø9.50 flared connection
KC	Drain pipe connection	VP20 (OD Ø26, ID Ø20)
KD	Drain hose	ID Ø25
KE	Control box	/
KF	Transmission line	/
KG	Power supply connection	/
KH	Suspension bracket	/
KJ	Air filter	/
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

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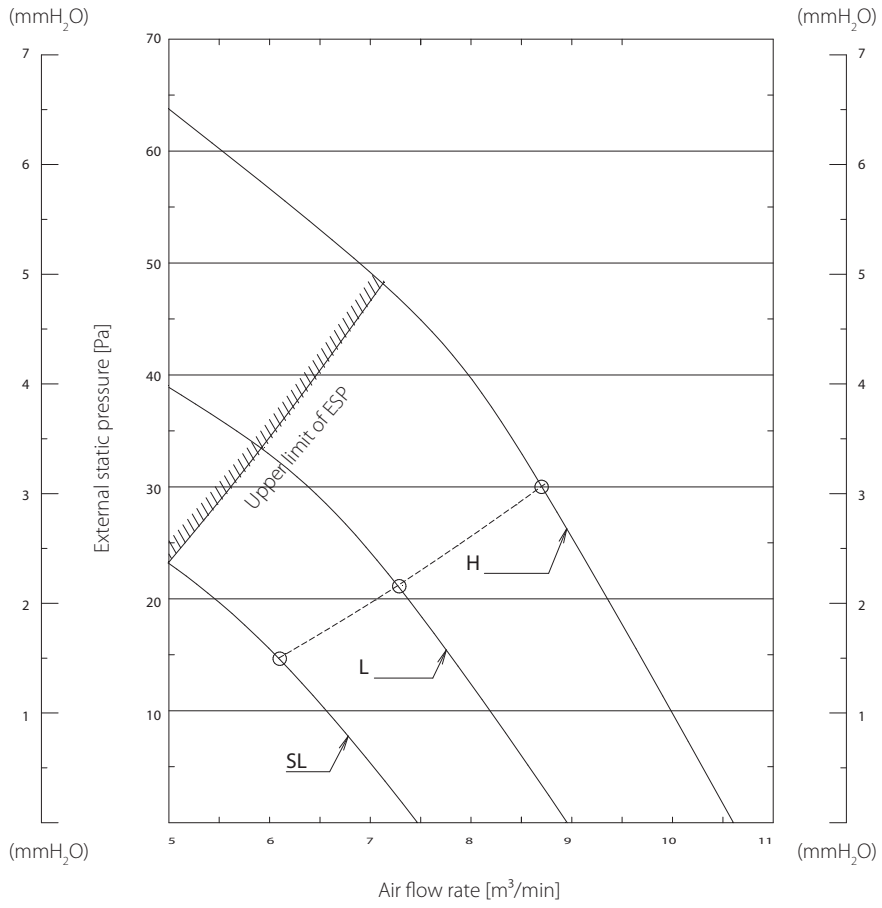
FNA25-35A9



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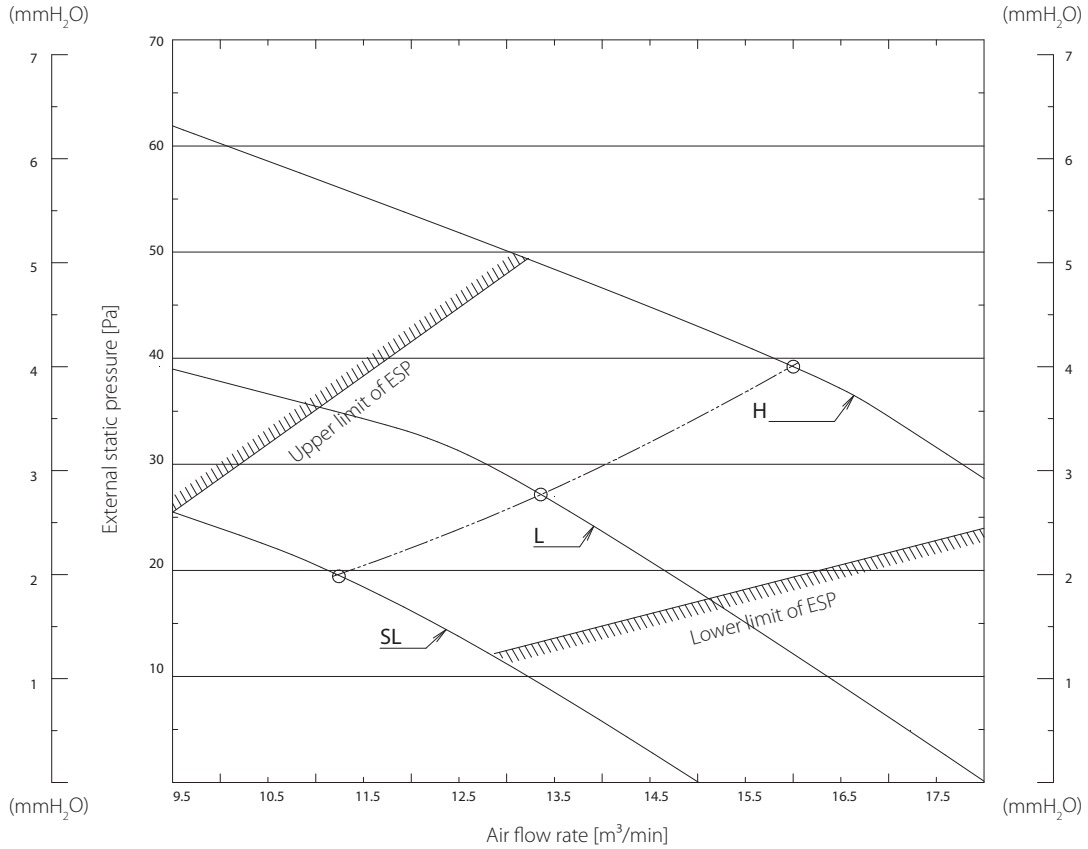
FNA50A9



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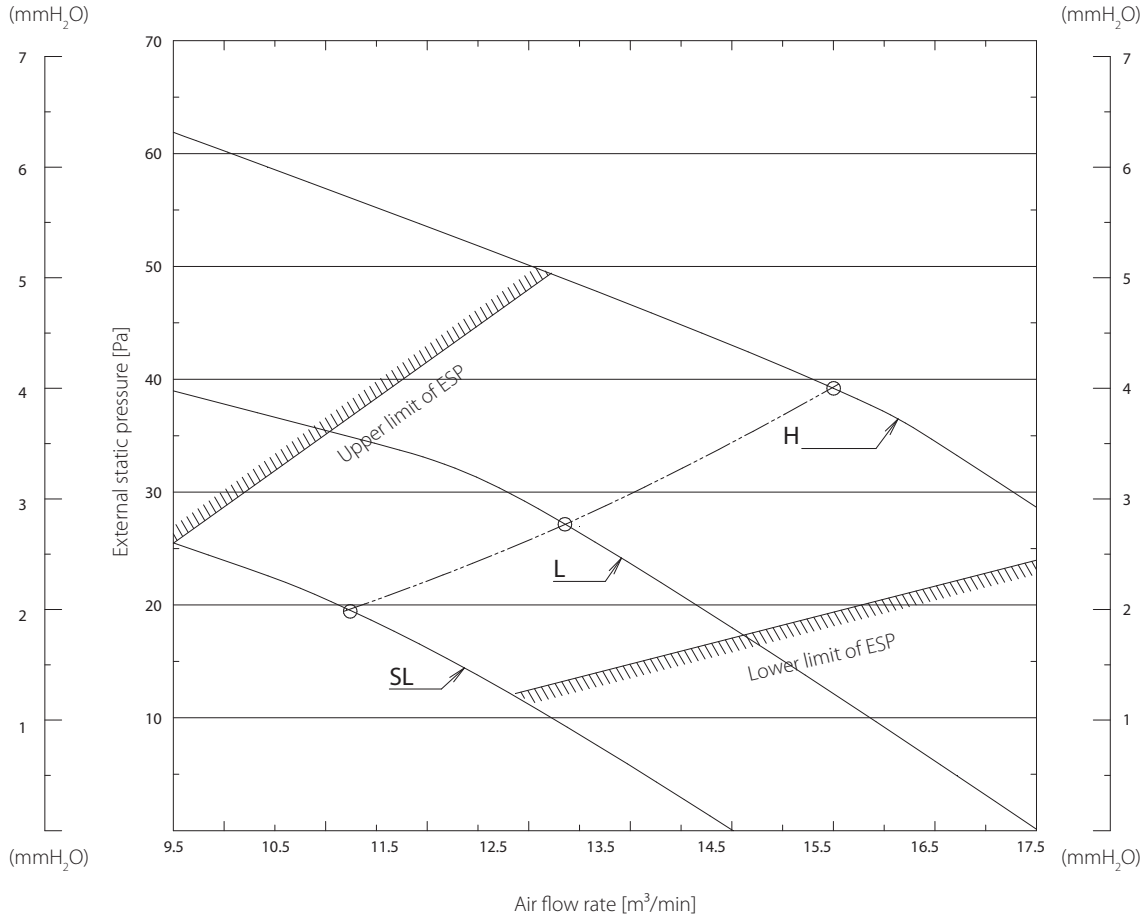
FNA60A9



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Technical drawings
Outdoor units

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RZAG35B

Unit combination restrictions		Power supply					Compressor		OFM		IFM	
Outdoor unit	Indoor unit	Hz	Voltage	Voltage range	MCA	MFA	RHz	RLA	kW	FLA	kW	FLA
RZAG35B5V1B	FDXM35F3V1B9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	13.41	16	41	4.9	0.074	0.89	0.034	0.30
		50	230					4.7				
		50	240					4.5				
RZAG35B5V1B	FFA35A2VEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	13.30	16	38	4.6	0.074	0.89	0.050	0.20
		50	230					4.4				
		50	240					4.2				
RZAG35B5V1B	FBA35A2VEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14.62	16	33	3.4	0.074	0.89	0.089	1.40
		50	230					3.3				
		50	240					3.2				
RZAG35B5V1B	FCAG35BVEB	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	13.41	16	37	4.3	0.074	0.89	0.048	0.30
		50	230					4.1				
		50	240					3.9				
RZAG35B5V1B	FNA35A2VEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	13.63	16	41	4.9	0.074	0.89	0.034	0.50
		50	230					4.7				
		50	240					4.5				
RZAG35B5V1B	FHA35AVEB98	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	13.74	16	36	3.8	0.074	0.89	0.090	0.60
		50	230					3.6				
		50	240					3.5				
RZAG35B5V1B	FDXM50F3V1B9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14.07	16	41	4.8	0.074	0.89	0.060	0.90
		50	230					4.6				
		50	240					4.4				
RZAG35B5V1B	FFA50A2VEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	13.52	16	38	4.6	0.074	0.89	0.050	0.40
		50	230					4.4				
		50	240					4.2				
RZAG35B5V1B	FBA50A2VEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14.62	16	33	3.4	0.074	0.89	0.089	1.40
		50	230					3.3				
		50	240					3.2				
RZAG35B5V1B	FCAG50BVEB	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	13.41	16	37	4.3	0.074	0.89	0.048	0.30
		50	230					4.1				
		50	240					3.9				
RZAG35B5V1B	FNA50A2VEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	13.63	16	41	4.8	0.074	0.89	0.060	0.50
		50	230					4.6				
		50	240					4.4				
RZAG35B5V1B	FHA50AVEB98	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	13.74	16	36	3.8	0.074	0.89	0.090	0.60
		50	230					3.6				
		50	240					3.5				
RZAG35B5V1B	FTXM35R2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	13.41	16	40	5.1	0.074	0.89	0.030	0.30
		50	230					4.9				
		50	240					4.7				
RZAG35B5V1B	FTXM35R5V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	13.41	16	40	5.1	0.074	0.89	0.030	0.30
		50	230					4.9				
		50	240					4.7				
RZAG35B5V1B	FTXM50R2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	13.74	16	40	5.0	0.074	0.89	0.046	0.60
		50	230					4.8				
		50	240					4.6				
RZAG35B5V1B	FTXM35A2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	13.42	16	39	4.1	0.074	0.89	0.046	0.31
		50	230					3.9				
		50	240					3.7				
RZAG35B5V1B	FTXM35A5V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	13.42	16	39	4.1	0.074	0.89	0.033	0.31
		50	230					3.9				
		50	240					3.7				
RZAG35B5V1B	FTXM50A2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	13.47	16	39	4.1	0.074	0.89	0.040	0.36
		50	230					3.9				
		50	240					3.7				
RZAG35B5V1B	FTXM50A5V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	13.47	16	39	4.1	0.074	0.89	0.040	0.36
		50	230					3.9				
		50	240					3.7				

Symbols		
MCA	Minimum Circuit Ampere	[A]
MFA	Maximum Fuse Ampere	[A]
COMP	Compressor	
RHz	Rated operating frequency	[Hz]
RLA	Rated load amps	[A]
OFM	Outdoor fan motor	
IFM	Indoor fan motor	
kW	Fan motor rated output	[kW]
FLA	Full Load Ampere	[A]
MAX.	Maximum	
MIN.	Minimum	

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.

4D151788 - 4D151789 - 4D151790

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RZAG50B

Unit combination restrictions		Power supply					Compressor		OFM		IFM	
Outdoor unit	Indoor unit	Hz	Voltage	Voltage range	MCA	MFA	RHz	RLA	kW	FLA	kW	FLA
RZAG50B5V1B	FDXM50F3V1B9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14.07	16	57	5.4	0.074	0.89	0.060	0.90
		50	230					5.2				
		50	240					5.0				
RZAG50B5V1B	FFA50A2VEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	13.52	16	62	5.5	0.074	0.89	0.050	0.40
		50	230					5.2				
		50	240					5.0				
RZAG50B5V1B	FBA50A2VEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14.62	16	53	6.8	0.074	0.89	0.089	1.40
		50	230					6.5				
		50	240					6.2				
RZAG50B5V1B	FCAG50BVEB	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	13.41	16	56	7.3	0.074	0.89	0.048	0.30
		50	230					7.0				
		50	240					6.7				
RZAG50B5V1B	FNA50A2VEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	13.63	16	57	5.4	0.074	0.89	0.060	0.50
		50	230					5.2				
		50	240					5.0				
RZAG50B5V1B	FHA50AVEB98	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	13.74	16	52	5.0	0.074	0.89	0.090	0.60
		50	230					4.8				
		50	240					4.6				
RZAG50B5V1B	FDXM60F3V1B9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14.07	16	57	5.4	0.074	0.89	0.060	0.90
		50	230					5.2				
		50	240					5.0				
RZAG50B5V1B	FFA60A2VEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	13.74	16	62	5.5	0.074	0.89	0.050	0.60
		50	230					5.2				
		50	240					5.0				
RZAG50B5V1B	FBA60A2VEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14.51	16	53	6.9	0.074	0.89	0.070	1.30
		50	230					6.6				
		50	240					6.3				
RZAG50B5V1B	FCAG60BVEB	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	13.41	16	56	7.3	0.074	0.89	0.048	0.30
		50	230					7.0				
		50	240					6.7				
RZAG50B5V1B	FNA60A2VEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	13.74	16	57	5.4	0.074	0.89	0.060	0.60
		50	230					5.2				
		50	240					5.0				
RZAG50B5V1B	FHA60AVEB98	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	13.74	16	52	5.0	0.074	0.89	0.091	0.60
		50	230					4.8				
		50	240					4.6				
RZAG50B5V1B	FTXM50R2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	13.74	16	54	6.5	0.074	0.89	0.046	0.60
		50	230					6.2				
		50	240					5.9				
RZAG50B5V1B	FTXM60R2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	13.74	16	54	6.5	0.074	0.89	0.046	0.60
		50	230					6.2				
		50	240					5.9				
RZAG50B5V1B	FTXM50A2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	13.47	16	58	6.5	0.074	0.89	0.040	0.36
		50	230					6.2				
		50	240					5.9				
RZAG50B5V1B	FTXM50A5V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	13.47	16	58	6.0	0.074	0.89	0.040	0.36
		50	230					5.7				
		50	240					5.5				
RZAG50B5V1B	FTXM60A2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	13.74	16	58	6.0	0.074	0.89	0.046	0.60
		50	230					5.7				
		50	240					5.5				

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RZAG60B

Unit combination restrictions		Power supply					Compressor		OFM		IFM	
Outdoor unit	Indoor unit	Hz	Voltage	Voltage range	MCA	MFA	RHz	RLA	kW	FLA	kW	FLA
RZAG60B5V1B	FDXM60F3V1B9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	15.72	16	70	7.3	0.074	0.89	0.060	0.90
		50	230					6.9				
		50	240					6.7				
RZAG60B5V1B	FFA60A2VEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	15.39	16	70	9.0	0.074	0.89	0.050	0.60
		50	230					8.6				
		50	240					8.2				
RZAG60B5V1B	FBA60A2VEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	16.16	16	65	7.0	0.074	0.89	0.070	1.30
		50	230					6.7				
		50	240					6.4				
RZAG60B5V1B	FCAG60BVEB	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	15.06	16	72	7.5	0.074	0.89	0.048	0.30
		50	230					7.2				
		50	240					6.9				
RZAG60B5V1B	FNA60A2VEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	15.39	16	70	9.0	0.074	0.89	0.060	0.60
		50	230					8.6				
		50	240					8.3				
RZAG60B5V1B	FHA60AVEB98	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	15.39	16	67	8.1	0.074	0.89	0.091	0.60
		50	230					7.7				
		50	240					7.4				
RZAG60B5V1B	FBA71A2VEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	16.16	16	65	8.9	0.074	0.89	0.070	1.30
		50	230					8.5				
		50	240					8.1				
RZAG60B5V1B	FCAG71BVEB	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	15.06	16	72	7.5	0.074	0.89	0.054	0.30
		50	230					7.2				
		50	240					6.9				
RZAG60B5V1B	FHA71AVEB98	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	15.61	16	67	8.1	0.074	0.89	0.110	0.80
		50	230					7.7				
		50	240					7.4				
RZAG60B5V1B	FTXM60R2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	15.39	16	71	8.4	0.074	0.89	0.046	0.60
		50	230					8.1				
		50	240					7.7				
RZAG60B5V1B	FTXM71R2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	15.39	16	71	8.4	0.074	0.89	0.052	0.60
		50	230					8.0				
		50	240					7.7				
RZAG60B5V1B	FTXM60A2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	15.39	16	71	8.4	0.074	0.89	0.046	0.60
		50	230					8.1				
		50	240					7.7				
RZAG60B5V1B	FTXM71A2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	15.39	16	71	8.4	0.074	0.89	0.052	0.60
		50	230					8.0				
		50	240					7.7				

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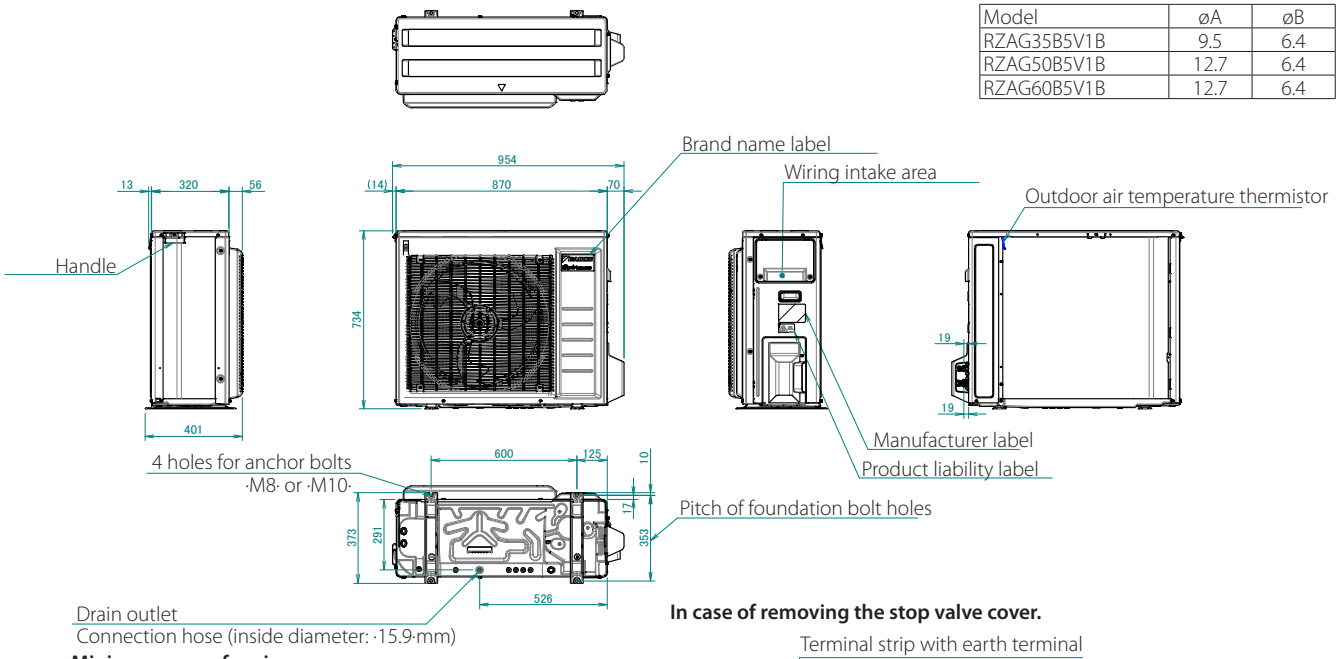
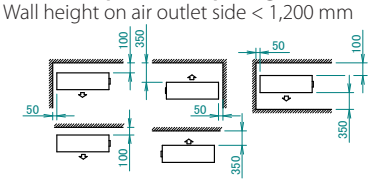
RZAG-B

Model	øA	øB
RZAG35B5V1B	9.5	6.4
RZAG50B5V1B	12.7	6.4
RZAG60B5V1B	12.7	6.4

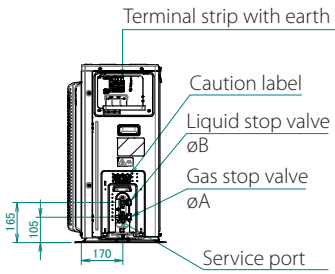


Minimum space for air passage

Wall height on air outlet side < 1,200 mm



In case of removing the stop valve cover.



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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		RZAG71N2V1B	50Hz ~ 220-240V	Minimum: ·198 V·	Maximum ·264 V·	17.7	–	20	–	15.5	0.234	0.8	0.091	0.7
FCAG35BVEB	x2	RZAG71N2V1B				17.6	–	20	–	15.5	0.234	0.8	0.044 x2	0.3 x2
FCAG71BVEB		RZAG71N2V1B				17.4	–	20	–	15.5	0.234	0.8	0.054	0.4
FFA35A2VEB	x2	RZAG71N2V1B				17.4	–	20	–	15.5	0.234	0.8	0.050 x2	0.2 x2
FBA35A2VEB	x2	RZAG71N2V1B				19.9	–	20	–	15.5	0.234	0.8	0.089 x2	1.4 x2
FBA71A2VEB		RZAG71N2V1B				18.3	–	20	–	15.5	0.234	0.8	0.070	1.3
FNA35A2VEB	x2	RZAG71N2V1B				18.0	–	20	–	15.5	0.234	0.8	0.034 x2	0.5 x2
FUA71AVEB9		RZAG71N2V1B				17.9	–	20	–	15.5	0.234	0.8	0.046	0.9
FAA71BUV1B		RZAG71N2V1B				17.5	–	20	–	15.5	0.234	0.8	0.048	0.5
FVA71AMVEB		RZAG71N2V1B				17.8	–	20	–	15.5	0.234	0.8	0.117	0.8
FDXM35F3V1B	x2	RZAG71N2V1B				17.6	–	20	–	15.5	0.234	0.8	0.034 x2	0.3 x2
FHA35AVEB98	x2	RZAG71N2V1B				18.2	–	20	–	15.5	0.234	0.8	0.060 x2	0.6 x2
FHA71AVEB98		RZAG71N2V1B				17.8	–	20	–	15.5	0.234	0.8	0.110	0.8
FCAHG100HVEB		RZAG100N2V1B	50Hz ~ 220-240V	Minimum: ·198 V·	Maximum ·264 V·	22.2	–	32	–	18.8	0.234	1.2	0.221	1.3
FCAG35BVEB	x3	RZAG100N2V1B				21.7	–	32	–	18.8	0.234	1.2	0.044 x3	0.3 x3
FCAG50BVEB	x2	RZAG100N2V1B				21.4	–	32	–	18.8	0.234	1.2	0.039 x2	0.3 x2
FCAG100BVEB		RZAG100N2V1B				21.5	–	32	–	18.8	0.234	1.2	0.117	0.7
FFA35A2VEB	x3	RZAG100N2V1B				21.4	–	32	–	18.8	0.234	1.2	0.050 x3	0.2 x3
FFA50A2VEB	x2	RZAG100N2V1B				21.6	–	32	–	18.8	0.234	1.2	0.050 x2	0.4 x2
FBA35A2VEB	x3	RZAG100N2V1B				25.2	–	32	–	18.8	0.234	1.2	0.089 x3	1.4 x3
FBA50A2VEB	x2	RZAG100N2V1B				23.7	–	32	–	18.8	0.234	1.2	0.089 x2	1.4 x2
FBA100A2VEB		RZAG100N2V1B				24.4	–	32	–	18.8	0.234	1.2	0.127	3.5
FNA35A2VEB	x3	RZAG100N2V1B				22.4	–	32	–	18.8	0.234	1.2	0.034 x3	0.5 x3
FNA50A2VEB	x2	RZAG100N2V1B				21.8	–	32	–	18.8	0.234	1.2	0.060 x2	0.5 x2
FUA100AVEB9		RZAG100N2V1B				22.2	–	32	–	18.8	0.234	1.2	0.106	1.3
FAA100BUV1B		RZAG100N2V1B				21.7	–	32	–	18.8	0.234	1.2	0.064	0.5
FVA100AMVEB		RZAG100N2V1B				22.4	–	32	–	18.8	0.234	1.2	0.238	1.5
FDXM35F3V1B	x3	RZAG100N2V1B				21.7	–	32	–	18.8	0.234	1.2	0.034 x3	0.3 x3
FDXM50F3V1B	x2	RZAG100N2V1B				22.7	–	32	–	18.8	0.234	1.2	0.060 x2	0.9 x2
FHA35AVEB98	x3	RZAG100N2V1B				22.7	–	32	–	18.8	0.234	1.2	0.060 x3	0.6 x3
FHA50AVEB98	x2	RZAG100N2V1B				22.0	–	32	–	18.8	0.234	1.2	0.060 x2	0.6 x2
FHA100AVEB8		RZAG100N2V1B				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		RZAG125N2V1B	50Hz ~ 220-240V	Minimum: ·198 V·	Maximum ·264 V·	27.5	–	32	–	23.8	0.234	1.2	0.244	1.4
FCAG35BVEB	x4	RZAG125N2V1B				27.2	–	32	–	23.8	0.234	1.2	0.044 x4	0.3 x4
FCAG50BVEB	x3	RZAG125N2V1B				26.9	–	32	–	23.8	0.234	1.2	0.039 x3	0.3 x3
FCAG60BVEB	x2	RZAG125N2V1B				26.6	–	32	–	23.8	0.234	1.2	0.044 x2	0.3 x2
FCAG125BVEB		RZAG125N2V1B				27.0	–	32	–	23.8	0.234	1.2	0.168	1.0
FFA35A2VEB	x4	RZAG125N2V1B				26.8	–	32	–	23.8	0.234	1.2	0.050 x4	0.2 x4
FFA50A2VEB	x3	RZAG125N2V1B				27.2	–	32	–	23.8	0.234	1.2	0.050 x3	0.4 x3
FFA60A2VEB	x2	RZAG125N2V1B				27.2	–	32	–	23.8	0.234	1.2	0.050 x2	0.6 x2
FBA35A2VEB	x4	RZAG125N2V1B				31.8	–	32	–	23.8	0.234	1.2	0.089 x4	1.4 x4
FBA50A2VEB	x3	RZAG125N2V1B				30.4	–	32	–	23.8	0.234	1.2	0.089 x3	1.4 x3
FBA60A2VEB	x2	RZAG125N2V1B				28.7	–	32	–	23.8	0.234	1.2	0.070 x2	1.3 x2
FBA125A2VEB		RZAG125N2V1B				30.1	–	32	–	23.8	0.234	1.2	0.187	3.9
FNA35A2VEB	x4	RZAG125N2V1B				28.1	–	32	–	23.8	0.234	1.2	0.034 x4	0.5 x4
FNA50A2VEB	x3	RZAG125N2V1B				27.6	–	32	–	23.8	0.234	1.2	0.060 x3	0.5 x3
FNA60A2VEB	x2	RZAG125N2V1B				27.2	–	32	–	23.8	0.234	1.2	0.060 x2	0.6 x2
FUA125AVEB9		RZAG125N2V1B				27.5	–	32	–	23.8	0.234	1.2	0.106	1.4
FDA125A5VEB		RZAG125N2V1B				28.2	–	32	–	23.8	0.234	1.2	0.350	2.1
FVA125AMVEB		RZAG125N2V1B				27.6	–	32	–	23.8	0.234	1.2	0.238	1.5
FDXM35F3V1B	x4	RZAG125N2V1B				27.2	–	32	–	23.8	0.234	1.2	0.034 x4	0.3 x4
FDXM50F3V1B	x3	RZAG125N2V1B				28.8	–	32	–	23.8	0.234	1.2	0.060 x3	0.9 x3
FDXM60F3V1B	x2	RZAG125N2V1B				27.9	–	32	–	23.8	0.234	1.2	0.060 x2	0.9 x2
FHA35AVEB98	x4	RZAG125N2V1B				28.5	–	32	–	23.8	0.234	1.2	0.060 x4	0.6 x4
FHA50AVEB98	x3	RZAG125N2V1B				27.9	–	32	–	23.8	0.234	1.2	0.060 x3	0.6 x3
FHA60AVEB98	x2	RZAG125N2V1B				27.2	–	32	–	23.8	0.234	1.2	0.091 x2	0.6 x2
FHA125AVEB9		RZAG125N2V1B				27.6	–	32	–	23.8	0.234	1.2	0.150	1.5
FCAHG71HVEB	x2	RZAG140N2V1B	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		RZAG140N2V1B				27.5	–	32	–	23.6	0.234	1.4	0.244	1.4
FCAG35BVEB	x4	RZAG140N2V1B				27.2	–	32	–	23.6	0.234	1.4	0.044 x4	0.3 x4
FCAG50BVEB	x3	RZAG140N2V1B				26.9	–	32	–	23.6	0.234	1.4	0.039 x3	0.3 x3
FCAG71BVEB	x2	RZAG140N2V1B				26.8	–	32	–	23.6	0.234	1.4	0.054 x2	0.4 x2
FCAG140BVEB		RZAG140N2V1B				27.4	–	32	–	23.6	0.234	1.4	0.168	1.3
FFA35A2VEB	x4	RZAG140N2V1B				26.8	–	32	–	23.6	0.234	1.4	0.050 x4	0.2 x4
FFA50A2VEB	x3	RZAG140N2V1B				27.2	–	32	–	23.6	0.234	1.4	0.050 x3	0.4 x3
FBA35A2VEB	x4	RZAG140N2V1B				31.8	–	32	–	23.6	0.234	1.4	0.089 x4	1.4 x4
FBA50A2VEB	x3	RZAG140N2V1B				30.4	–	32	–	23.6	0.234	1.4	0.089 x3	1.4 x3
FBA71A2VEB	x2	RZAG140N2V1B				28.7	–	32	–	23.6	0.234	1.4	0.070 x2	1.3 x2
FBA140A2VEB		RZAG140N2V1B				30.1	–	32	–	23.6	0.234	1.4	0.187	3.9
FNA35A2VEB	x4	RZAG140N2V1B				28.1	–	32	–	23.6	0.234	1.4	0.034 x4	0.5 x4
FNA50A2VEB	x3	RZAG140N2V1B				27.6	–	32	–	23.6	0.234	1.4	0.060 x3	0.5 x3
FUA71AVEB9	x2	RZAG140N2V1B				27.9	–	32	–	23.6	0.234	1.4	0.046 x2	0.9 x2
FAA71BUV1B	x2	RZAG140N2V1B				27.0	–	32	–	23.6	0.234	1.4	0.048 x2	0.5 x2
FVA71AMVEB	x2	RZAG140N2V1B				27.7	–	32	–	23.6	0.234	1.4	0.117 x2	0.8 x2
FVA140AMVEB		RZAG140N2V1B				27.9	–	32	–	23.6	0.234	1.4	0.276	1.8
FDXM35F3V1B	x4	RZAG140N2V1B				27.2	–	32	–	23.6	0.234	1.4	0.034 x4	0.3 x4
FDXM50F3V1B	x3	RZAG140N2V1B				28.8	–	32	–	23.6	0.234	1.4	0.060 x3	0.9 x3
FHA35AVEB98	x4	RZAG140N2V1B				28.5	–	32	–	23.6	0.234	1.4	0.090 x4	0.6 x4
FHA50AVEB98	x3	RZAG140N2V1B				27.9	–	32	–	23.6	0.234	1.4	0.090 x3	0.6 x3
FHA71AVEB98	x2	RZAG140N2V1B				27.7	–	32	–	23.6	0.234	1.4	0.110 x2	0.8 x2
FHA140AVEB8		RZAG140N2V1B				27.9	–	32	–	23.6	0.234	1.4	0.251	1.8

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RZAG71-100NY1 COMFORT COOLING

Indoor		Outdoor	Power supply	Voltage range		MCA	TOCA	MFA	Compressor MSC	Compressor RLA	OFM kW	OFM FLA	IFM kW	IFM FLA
FCAHG71HVEB		RZAG71N2Y1B	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	RZAG71N2Y1B				11.0	–	16	–	9.2	0.234	0.8	0.044 x2	0.3 x2
FCAG71BVEB		RZAG71N2Y1B				10.8	–	16	–	9.2	0.234	0.8	0.054	0.4
FFA35A2VEB	x2	RZAG71N2Y1B				10.8	–	16	–	9.2	0.234	0.8	0.050 x2	0.2 x2
FBA35A2VEB	x2	RZAG71N2Y1B				13.2	–	16	–	9.2	0.234	0.8	0.089 x2	1.4 x2
FBA71A2VEB		RZAG71N2Y1B				11.7	–	16	–	9.2	0.234	0.8	0.070	1.3
FNA35A2VEB	x2	RZAG71N2Y1B				11.4	–	16	–	9.2	0.234	0.8	0.034 x2	0.5 x2
FUA71AVEB9		RZAG71N2Y1B				11.3	–	16	–	9.2	0.234	0.8	0.046	0.9
FAA71BUV1B		RZAG71N2Y1B				10.9	–	16	–	9.2	0.234	0.8	0.048	0.5
FVA71AMVEB		RZAG71N2Y1B				11.2	–	16	–	9.2	0.234	0.8	0.117	0.8
FDXM35F3V1B	x2	RZAG71N2Y1B				11.0	–	16	–	9.2	0.234	0.8	0.034 x2	0.3 x2
FHA35AVEB98	x2	RZAG71N2Y1B				11.6	–	16	–	9.2	0.234	0.8	0.090 x2	0.6 x2
FHA71AVEB98		RZAG71N2Y1B				11.2	–	16	–	9.2	0.234	0.8	0.110	0.8
FCAHG100HVEB		RZAG100N2Y1B	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	RZAG100N2Y1B				13.0	–	16	–	10.4	0.234	1.2	0.044 x3	0.3 x3
FCAG50BVEB	x2	RZAG100N2Y1B				12.7	–	16	–	10.4	0.234	1.2	0.039 x2	0.3 x2
FCAG100BVEB		RZAG100N2Y1B				14.2	–	16	–	11.8	0.234	1.2	0.117	0.7
FFA35A2VEB	x3	RZAG100N2Y1B				12.7	–	16	–	10.4	0.234	1.2	0.050 x3	0.2 x3
FFA50A2VEB	x2	RZAG100N2Y1B				12.9	–	16	–	10.4	0.234	1.2	0.050 x2	0.4 x2
FBA35A2VEB	x3	RZAG100N2Y1B				16.3	–	16	–	10.4	0.234	1.2	0.089 x3	1.4 x3
FBA50A2VEB	x2	RZAG100N2Y1B				14.9	–	16	–	10.4	0.234	1.2	0.089 x2	1.4 x2
FBA100A2VEB		RZAG100N2Y1B				17.0	–	16	–	11.8	0.234	1.2	0.127	3.5
FNA35A2VEB	x3	RZAG100N2Y1B				13.6	–	16	–	10.4	0.234	1.2	0.034 x3	0.5 x3
FNA50A2VEB	x2	RZAG100N2Y1B				13.1	–	16	–	10.4	0.234	1.2	0.060 x2	0.5 x2
FUA100AVEB9		RZAG100N2Y1B				14.9	–	16	–	11.8	0.234	1.2	0.106	1.3
FAA100BUV1B		RZAG100N2Y1B				14.4	–	16	–	11.8	0.234	1.2	0.064	0.9
FVA100AMVEB		RZAG100N2Y1B				15.1	–	16	–	11.8	0.234	1.2	0.238	1.5
FDXM35F3V1B	x3	RZAG100N2Y1B				13.0	–	16	–	10.4	0.234	1.2	0.034 x3	0.3 x3
FDXM50F3V1B	x2	RZAG100N2Y1B				13.9	–	16	–	10.4	0.234	1.2	0.060 x2	0.9 x2
FHA35AVEB98	x3	RZAG100N2Y1B				13.9	–	16	–	10.4	0.234	1.2	0.090 x3	0.6 x3
FHA50AVEB98	x2	RZAG100N2Y1B				13.3	–	16	–	10.4	0.234	1.2	0.090 x2	0.6 x2
FHA100AVEB8		RZAG100N2Y1B				14.9	–	16	–	11.8	0.234	1.2	0.172	1.3

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RZAG125-140NY1 COMFORT COOLING

Indoor		Outdoor	Power supply	Voltage range		MCA	TOCA	MFA	Compressor MSC	Compressor RLA	OFM kW	OFM FLA	IFM kW	IFM FLA
FCAHG125HVEB		RZAG125N2Y1B	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	RZAG125N2Y1B				12.2	–	16	–	9.3	0.234	1.2	0.044 x4	0.3 x4
FCAG50BVEB	x3	RZAG125N2Y1B				12.9	–	16	–	10.3	0.234	1.2	0.039 x3	0.3 x3
FCAG60BVEB	x2	RZAG125N2Y1B				14.1	–	16	–	11.8	0.234	1.2	0.044 x2	0.3 x2
FCAG125BVEB		RZAG125N2Y1B				14.6	–	16	–	11.8	0.234	1.2	0.168	1.0
FFA35A2VEB	x4	RZAG125N2Y1B				11.8	–	16	–	9.3	0.234	1.2	0.050 x4	0.2 x4
FFA50A2VEB	x3	RZAG125N2Y1B				13.2	–	16	–	10.3	0.234	1.2	0.050 x3	0.4 x3
FFA60A2VEB	x2	RZAG125N2Y1B				14.8	–	16	–	11.8	0.234	1.2	0.050 x2	0.6 x2
FBA35A2VEB	x4	RZAG125N2Y1B				16.5	–	20	–	9.3	0.234	1.2	0.089 x4	1.4 x4
FBA50A2VEB	x3	RZAG125N2Y1B				16.2	–	20	–	10.3	0.234	1.2	0.089 x3	1.4 x3
FBA60A2VEB	x2	RZAG125N2Y1B				16.1	–	20	–	11.8	0.234	1.2	0.070 x2	1.3 x2
FBA125A2VEB		RZAG125N2Y1B				17.4	–	20	–	11.8	0.234	1.2	0.187	3.9
FNA35A2VEB	x4	RZAG125N2Y1B				13.0	–	16	–	9.3	0.234	1.2	0.034 x4	0.5 x4
FNA50A2VEB	x3	RZAG125N2Y1B				13.5	–	16	–	10.3	0.234	1.2	0.060 x3	0.5 x3
FNA60A2VEB	x2	RZAG125N2Y1B				14.8	–	16	–	11.8	0.234	1.2	0.060 x2	0.6 x2
FUA125AVEB9		RZAG125N2Y1B				15.0	–	16	–	11.8	0.234	1.2	0.106	1.4
FDA125A5VEB		RZAG125N2Y1B				15.7	–	16	–	11.8	0.234	1.2	0.350	2.1
FVA125AMVEB		RZAG125N2Y1B				15.1	–	16	–	11.8	0.234	1.2	0.238	1.5
FDXM35F3V1B	x4	RZAG125N2Y1B				12.2	–	16	–	9.3	0.234	1.2	0.034 x4	0.3 x4
FDXM50F3V1B	x3	RZAG125N2Y1B				14.8	–	16	–	10.3	0.234	1.2	0.060 x3	0.9 x3
FDXM60F3V1B	x2	RZAG125N2Y1B				15.4	–	16	–	11.8	0.234	1.2	0.060 x2	0.9 x2
FHA35AVEB98	x4	RZAG125N2Y1B				13.4	–	16	–	9.3	0.234	1.2	0.090 x4	0.6 x4
FHA50AVEB98	x3	RZAG125N2Y1B				13.8	–	16	–	10.3	0.234	1.2	0.090 x3	0.6 x3
FHA60AVEB98	x2	RZAG125N2Y1B				14.8	–	16	–	11.8	0.234	1.2	0.091 x2	0.6 x2
FHA125AVEB8		RZAG125N2Y1B				15.1	–	16	–	11.8	0.234	1.2	0.217	1.5
FCAHG71HVEB	x2	RZAG140N2Y1B	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		RZAG140N2Y1B				15.0	–	16	–	11.6	0.234	1.4	0.244	1.4
FCAG35BVEB	x4	RZAG140N2Y1B				12.2	–	16	–	9.1	0.234	1.4	0.044 x4	0.3 x4
FCAG50BVEB	x3	RZAG140N2Y1B				12.9	–	16	–	10.1	0.234	1.4	0.039 x3	0.3 x3
FCAG71BVEB	x2	RZAG140N2Y1B				14.4	–	16	–	11.6	0.234	1.4	0.054 x2	0.4 x2
FCAG140BVEB		RZAG140N2Y1B				14.9	–	16	–	11.6	0.234	1.4	0.168	1.3
FFA35A2VEB	x4	RZAG140N2Y1B				11.8	–	16	–	9.1	0.234	1.4	0.050 x4	0.2 x4
FFA50A2VEB	x3	RZAG140N2Y1B				13.2	–	16	–	10.1	0.234	1.4	0.050 x3	0.4 x3
FBA35A2VEB	x4	RZAG140N2Y1B				16.5	–	20	–	9.1	0.234	1.4	0.089 x4	1.4 x4
FBA50A2VEB	x3	RZAG140N2Y1B				16.2	–	20	–	10.1	0.234	1.4	0.089 x3	1.4 x3
FBA71A2VEB	x2	RZAG140N2Y1B				16.1	–	20	–	11.6	0.234	1.4	0.070 x2	1.3 x2
FBA140A2VEB		RZAG140N2Y1B				17.4	–	20	–	11.6	0.234	1.4	0.187	3.9
FNA35A2VEB	x4	RZAG140N2Y1B				13.0	–	16	–	9.1	0.234	1.4	0.034 x4	0.5 x4
FNA50A2VEB	x3	RZAG140N2Y1B				13.5	–	16	–	10.1	0.234	1.4	0.060 x3	0.5 x3
FUA71AVEB9	x2	RZAG140N2Y1B				15.4	–	16	–	11.6	0.234	1.4	0.046 x2	0.9 x2
FAA71BUV1B	x2	RZAG140N2Y1B				14.6	–	16	–	11.6	0.234	1.4	0.048 x2	0.5 x2
FVA71AMVEB	x2	RZAG140N2Y1B				15.2	–	16	–	11.6	0.234	1.4	0.117 x2	0.8 x2
FVA140AMVEB		RZAG140N2Y1B				15.4	–	16	–	11.6	0.234	1.4	0.276	1.8
FDXM35F3V1B	x4	RZAG140N2Y1B				12.2	–	16	–	9.1	0.234	1.4	0.034 x4	0.3 x4
FDXM50F3V1B	x3	RZAG140N2Y1B				14.8	–	16	–	10.1	0.234	1.4	0.060 x3	0.9 x3
FHA35AVEB98	x4	RZAG140N2Y1B				13.4	–	16	–	9.1	0.234	1.4	0.090 x4	0.6 x4
FHA50AVEB98	x3	RZAG140N2Y1B				13.8	–	16	–	10.1	0.234	1.4	0.090 x3	0.6 x3
FHA71AVEB98	x2	RZAG140N2Y1B				15.2	–	16	–	11.6	0.234	1.4	0.110 x2	0.8 x2
FHA140AVEB8		RZAG140N2Y1B				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		RZAG71N2V1B	50Hz ~ 220-240V	Minimum: ·198 V·	Maximum ·264 V·	18.3	–	20	–	15.5	0.234	0.8	0.221	1.3
FCAG35BVEB	x3	RZAG71N2V1B				17.9	–	20	–	15.5	0.234	0.8	0.044 x3	0.3 x3
FCAG50BVEB	x2	RZAG71N2V1B				17.6	–	20	–	15.5	0.234	0.8	0.039 x2	0.3 x2
FCAG100BVEB		RZAG71N2V1B				17.7	–	20	–	15.5	0.234	0.8	0.117	0.7
FFA35A2VEB	x3	RZAG71N2V1B				17.6	–	20	–	15.5	0.234	0.8	0.050 x3	0.2 x3
FFA50A2VEB	x2	RZAG71N2V1B				17.8	–	20	–	15.5	0.234	0.8	0.050 x2	0.4 x2
FBA35A2VEB	x3	RZAG71N2V1B				21.3	–	20	–	15.5	0.234	0.8	0.089 x3	1.4 x3
FBA50A2VEB	x2	RZAG71N2V1B				19.9	–	20	–	15.5	0.234	0.8	0.089 x2	1.4 x2
FBA100A2VEB		RZAG71N2V1B				20.6	–	20	–	15.5	0.234	0.8	0.127	3.5
FUA100AVEB9		RZAG71N2V1B				18.3	–	20	–	15.5	0.234	0.8	0.106	1.3
FAA100BUV1B		RZAG71N2V1B				17.9	–	20	–	15.5	0.234	0.8	0.064	0.9
FVA100AMVEB		RZAG71N2V1B				18.5	–	20	–	15.5	0.234	0.8	0.238	1.5
FDXM35F3V1B	x3	RZAG71N2V1B				17.9	–	20	–	15.5	0.234	0.8	0.034 x3	0.3 x3
FDXM50F3V1B	x2	RZAG71N2V1B				18.8	–	20	–	15.5	0.234	0.8	0.060 x2	0.9 x2
FHA35AVEB98	x3	RZAG71N2V1B				18.8	–	20	–	15.5	0.234	0.8	0.090 x3	0.6 x3
FHA50AVEB98	x2	RZAG71N2V1B				18.2	–	20	–	15.5	0.234	0.8	0.090 x2	0.6 x2
FHA100AVEB98		RZAG71N2V1B				18.3	–	20	–	15.5	0.234	0.8	0.172	1.3
FCAHG71HVEB	x2	RZAG100N2V1B	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		RZAG100N2V1B				22.3	–	32	–	18.8	0.234	1.2	0.244	1.4
FCAG35BVEB	x4	RZAG100N2V1B				22.0	–	32	–	18.8	0.234	1.2	0.044 x4	0.3 x4
FCAG50BVEB	x3	RZAG100N2V1B				21.7	–	32	–	18.8	0.234	1.2	0.039 x3	0.3 x3
FCAG71BVEB	x2	RZAG100N2V1B				21.6	–	32	–	18.8	0.234	1.2	0.054 x2	0.4 x2
FCAG140BVEB		RZAG100N2V1B				22.2	–	32	–	18.8	0.234	1.2	0.168	1.3
FFA35A2VEB	x4	RZAG100N2V1B				21.6	–	32	–	18.8	0.234	1.2	0.050 x4	0.8
FFA50A2VEB	x3	RZAG100N2V1B				22.0	–	32	–	18.8	0.234	1.2	0.050 x3	0.4 x3
FBA35A2VEB	x4	RZAG100N2V1B				26.6	–	32	–	18.8	0.234	1.2	0.089 x4	1.4 x4
FBA50A2VEB	x3	RZAG100N2V1B				25.2	–	32	–	18.8	0.234	1.2	0.089 x3	1.4 x3
FBA71A2VEB	x2	RZAG100N2V1B				23.5	–	32	–	18.8	0.234	1.2	0.07 x2	1.3 x2
FBA140A2VEB		RZAG100N2V1B				24.9	–	32	–	18.8	0.234	1.2	0.187	3.9
FUA71AVEB9	x2	RZAG100N2V1B				22.7	–	32	–	18.8	0.234	1.2	0.046 x2	0.9 x2
FAA71BUV1B	x2	RZAG100N2V1B				21.8	–	32	–	18.8	0.234	1.2	0.048 x2	0.5 x2
FVA140AMVEB		RZAG100N2V1B				22.7	–	32	–	18.8	0.234	1.2	0.276	1.8
FDXM35F3V1B	x4	RZAG100N2V1B				22.0	–	32	–	18.8	0.234	1.2	0.034 x4	0.3 x4
FDXM50F3V1B	x3	RZAG100N2V1B				23.6	–	32	–	18.8	0.234	1.2	0.060 x3	0.9 x3
FHA35AVEB98	x4	RZAG100N2V1B				23.3	–	32	–	18.8	0.234	1.2	0.090 x4	0.6 x4
FHA50AVEB98	x3	RZAG100N2V1B				22.7	–	32	–	18.8	0.234	1.2	0.090 x3	0.6 x3
FHA71AVEB98	x2	RZAG100N2V1B				22.5	–	32	–	18.8	0.234	1.2	0.110 x2	0.8 x2
FHA140AVEB8		RZAG100N2V1B				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	RZAG125N2V1B	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		RZAG125N2V1B				27.5	–	32	–	23.8	0.234	1.2	0.244	1.4
FCAG35BVEB	x4	RZAG125N2V1B				27.2	–	32	–	23.8	0.234	1.2	0.044 x4	0.3 x4
FCAG50BVEB	x3	RZAG125N2V1B				26.9	–	32	–	23.8	0.234	1.2	0.039 x3	0.3 x3
FCAG71BVEB	x2	RZAG125N2V1B				26.8	–	32	–	23.8	0.234	1.2	0.054 x2	0.4 x2
FCAG140BVEB		RZAG125N2V1B				27.4	–	32	–	23.8	0.234	1.2	0.168	1.3
FFA35A2VEB	x4	RZAG125N2V1B				26.8	–	32	–	23.8	0.234	1.2	0.050 x4	0.2 x4
FFA50A2VEB	x3	RZAG125N2V1B				27.2	–	32	–	23.8	0.234	1.2	0.050 x3	0.4 x3
FBA35A2VEB	x4	RZAG125N2V1B				31.8	–	32	–	23.8	0.234	1.2	0.089 x4	1.4 x4
FBA50A2VEB	x3	RZAG125N2V1B				30.4	–	32	–	23.8	0.234	1.2	0.089 x3	1.4 x3
FBA71A2VEB	x2	RZAG125N2V1B				28.7	–	32	–	23.8	0.234	1.2	0.070 x2	1.3 x2
FBA140A2VEB		RZAG125N2V1B				30.1	–	32	–	23.8	0.234	1.2	0.187	3.9
FUA71AVEB9	x2	RZAG125N2V1B				27.9	–	32	–	23.8	0.234	1.2	0.046 x2	0.9 x2
FAA71BUV1B	x2	RZAG125N2V1B				27.0	–	32	–	23.8	0.234	1.2	0.048 x2	0.5 x2
FVA140AMVEB		RZAG125N2V1B				27.9	–	32	–	23.8	0.234	1.2	0.276	1.8
FDXM35F3V1B	x4	RZAG125N2V1B				27.2	–	32	–	23.8	0.234	1.2	0.034 x4	0.3 x4
FDXM50F3V1B	x3	RZAG125N2V1B				28.8	–	32	–	23.8	0.234	1.2	0.060 x3	0.9 x3
FHA35AVEB98	x4	RZAG125N2V1B				28.5	–	32	–	23.8	0.234	1.2	0.090 x4	0.6 x4
FHA50AVEB98	x3	RZAG125N2V1B				27.9	–	32	–	23.8	0.234	1.2	0.090 x3	0.6 x3
FHA71AVEB98	x2	RZAG125N2V1B				27.7	–	32	–	23.8	0.234	1.2	0.110 x2	0.8 x2
FHA140AVEB8		RZAG125N2V1B				27.9	–	32	–	23.8	0.234	1.2	0.251	1.8
FCAHG71HVEB	x2	RZAG140N2V1B	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		RZAG140N2V1B				27.5	–	32	–	23.6	0.234	1.4	0.244	1.4
FCAG35BVEB	x4	RZAG140N2V1B				27.2	–	32	–	23.6	0.234	1.4	0.044 x4	0.3 x4
FCAG50BVEB	x3	RZAG140N2V1B				26.9	–	32	–	23.6	0.234	1.4	0.039 x3	0.3 x3
FCAG71BVEB	x2	RZAG140N2V1B				26.8	–	32	–	23.6	0.234	1.4	0.054 x2	0.4 x2
FCAG140BVEB		RZAG140N2V1B				27.4	–	32	–	23.6	0.234	1.4	0.168	1.3
FFA35A2VEB	x4	RZAG140N2V1B				26.8	–	32	–	23.6	0.234	1.4	0.050 x4	0.2 x4
FFA50A2VEB	x3	RZAG140N2V1B				27.2	–	32	–	23.6	0.234	1.4	0.050 x3	0.4 x3
FBA35A2VEB	x4	RZAG140N2V1B				31.8	–	32	–	23.6	0.234	1.4	0.089 x4	1.4 x4
FBA50A2VEB	x3	RZAG140N2V1B				30.4	–	32	–	23.6	0.234	1.4	0.089 x3	1.4 x3
FBA71A2VEB	x2	RZAG140N2V1B				28.7	–	32	–	23.6	0.234	1.4	0.070 x2	1.3 x2
FBA140A2VEB		RZAG140N2V1B				30.1	–	32	–	23.6	0.234	1.4	0.187	3.9
FUA71AVEB9	x2	RZAG140N2V1B				27.9	–	32	–	23.6	0.234	1.4	0.046 x2	0.9 x2
FAA71BUV1B	x2	RZAG140N2V1B				27.0	–	32	–	23.6	0.234	1.4	0.048 x2	0.5 x2
FVA140AMVEB		RZAG140N2V1B				27.9	–	32	–	23.6	0.234	1.4	0.276	1.8
FDXM35F3V1B	x4	RZAG140N2V1B				27.2	–	32	–	23.6	0.234	1.4	0.034 x4	0.3 x4
FDXM50F3V1B	x3	RZAG140N2V1B				28.8	–	32	–	23.6	0.234	1.4	0.060 x3	0.9 x3
FHA35AVEB98	x4	RZAG140N2V1B				28.5	–	32	–	23.6	0.234	1.4	0.090 x4	0.6 x4
FHA50AVEB98	x3	RZAG140N2V1B				27.9	–	32	–	23.6	0.234	1.4	0.090 x3	0.6 x3
FHA71AVEB98	x2	RZAG140N2V1B				27.7	–	32	–	23.6	0.234	1.4	0.110 x2	0.8 x2
FHA140AVEB8		RZAG140N2V1B				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		RZAG71N2Y1B	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	RZAG71N2Y1B				11.3	–	16	–	9.2	0.234	0.8	0.044 x3	0.3 x3
FCAG50BVEB	x2	RZAG71N2Y1B				11.0	–	16	–	9.2	0.234	0.8	0.039 x2	0.3 x2
FCAG100BVEB		RZAG71N2Y1B				11.1	–	16	–	9.2	0.234	0.8	0.117	0.7
FFA35A2VEB	x3	RZAG71N2Y1B				11.0	–	16	–	9.2	0.234	0.8	0.050 x3	0.2 x3
FFA50A2VEB	x2	RZAG71N2Y1B				11.2	–	16	–	9.2	0.234	0.8	0.050 x2	0.4 x2
FBA35A2VEB	x3	RZAG71N2Y1B				14.6	–	16	–	9.2	0.234	0.8	0.089 x3	1.4 x3
FBA50A2VEB	x2	RZAG71N2Y1B				13.2	–	16	–	9.2	0.234	0.8	0.089 x2	1.4 x2
FBA100A2VEB		RZAG71N2Y1B				13.9	–	16	–	9.2	0.234	0.8	0.127	3.5
FUA100AVEB9		RZAG71N2Y1B				11.8	–	16	–	9.2	0.234	0.8	0.106	1.3
FAA100BUV1B		RZAG71N2Y1B				11.3	–	16	–	9.2	0.234	0.8	0.064	0.5
FVA100AMVEB		RZAG71N2Y1B				12.0	–	16	–	9.2	0.234	0.8	0.238	1.5
FDXM35F3V1B	x3	RZAG71N2Y1B				11.3	–	16	–	9.2	0.234	0.8	0.034 x3	0.3 x3
FDXM50F3V1B	x2	RZAG71N2Y1B				12.3	–	16	–	9.2	0.234	0.8	0.060 x2	0.9 x2
FHA35AVEB98	x3	RZAG71N2Y1B				12.3	–	16	–	9.2	0.234	0.8	0.090 x3	0.6 x3
FHA50AVEB98	x2	RZAG71N2Y1B				11.6	–	16	–	9.2	0.234	0.8	0.090 x2	0.6 x2
FHA100AVEB8		RZAG71N2Y1B				11.8	–	16	–	9.2	0.234	0.8	0.172	1.3
FCAHG71HVEB	x2	RZAG100N2Y1B	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		RZAG100N2Y1B				15.0	–	16	–	11.8	0.234	1.2	0.244	1.4
FCAG35BVEB	x4	RZAG100N2Y1B				13.3	–	16	–	10.4	0.234	1.2	0.044 x4	0.3 x4
FCAG50BVEB	x3	RZAG100N2Y1B				13.0	–	16	–	10.4	0.234	1.2	0.039 x3	0.3 x3
FCAG71BVEB	x2	RZAG100N2Y1B				12.9	–	16	–	10.4	0.234	1.2	0.054 x2	0.4 x2
FCAG140BVEB		RZAG100N2Y1B				14.9	–	16	–	11.8	0.234	1.2	0.168	1.3
FFA35A2VEB	x4	RZAG100N2Y1B				12.9	–	16	–	10.4	0.234	1.2	0.050 x4	0.8
FFA50A2VEB	x3	RZAG100N2Y1B				13.3	–	16	–	10.4	0.234	1.2	0.050 x3	0.4 x3
FBA35A2VEB	x4	RZAG100N2Y1B				17.7	–	16	–	10.4	0.234	1.2	0.089 x4	1.4 x4
FBA50A2VEB	x3	RZAG100N2Y1B				16.3	–	16	–	10.4	0.234	1.2	0.089 x3	1.4 x3
FBA71A2VEB	x2	RZAG100N2Y1B				14.7	–	16	–	10.4	0.234	1.2	0.070 x2	1.3 x2
FBA140A2VEB		RZAG100N2Y1B				17.4	–	16	–	11.8	0.234	1.2	0.187	3.9
FUA71AVEB9	x2	RZAG100N2Y1B				13.9	–	16	–	10.4	0.234	1.2	0.046 x2	0.9 x2
FAA71BUV1B	x2	RZAG100N2Y1B				13.1	–	16	–	10.4	0.234	1.2	0.048 x2	0.5 x2
FVA140AMVEB		RZAG100N2Y1B				15.4	–	16	–	11.8	0.234	1.2	0.276	1.8
FDXM35F3V1B	x4	RZAG100N2Y1B				13.3	–	16	–	10.4	0.234	1.2	0.034 x4	0.3 x4
FDXM50F3V1B	x3	RZAG100N2Y1B				14.9	–	16	–	10.4	0.234	1.2	0.060 x3	0.9 x3
FHA35AVEB98	x4	RZAG100N2Y1B				14.6	–	16	–	10.4	0.234	1.2	0.090 x4	0.6 x4
FHA50AVEB98	x3	RZAG100N2Y1B				13.9	–	16	–	10.4	0.234	1.2	0.090 x3	0.6 x3
FHA71AVEB98	x2	RZAG100N2Y1B				13.7	–	16	–	10.4	0.234	1.2	0.110 x2	0.8 x2
FHA140AVEB8		RZAG100N2Y1B				15.4	–	16	–	11.8	0.234	1.2	0.251	1.8

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RZAG125-140NY1 INFRASTRUCTURE COOLING

Indoor		Outdoor	Power supply	Voltage range		MCA	TOCA	MFA	Compressor MSC	Compressor RLA	OFM kW	OFM FLA	IFM kW	IFM FLA
FCAHG71HVEB	x2	RZAG125N2Y1B	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		RZAG125N2Y1B				15.0	–	16	–	11.8	0.234	1.2	0.244	1.4
FCAG35BVEB	x4	RZAG125N2Y1B				12.2	–	16	–	9.3	0.234	1.2	0.044 x4	0.3 x4
FCAG50BVEB	x3	RZAG125N2Y1B				12.9	–	16	–	10.3	0.234	1.2	0.039 x3	0.3 x3
FCAG71BVEB	x2	RZAG125N2Y1B				14.4	–	16	–	11.8	0.234	1.2	0.054 x2	0.4 x2
FCAG140BVEB		RZAG125N2Y1B				14.9	–	16	–	11.8	0.234	1.2	0.168	1.3
FFA35A2VEB	x4	RZAG125N2Y1B				11.8	–	16	–	9.3	0.234	1.2	0.050 x4	0.2 x4
FFA50A2VEB	x3	RZAG125N2Y1B				13.2	–	16	–	10.3	0.234	1.2	0.050 x3	0.4 x3
FBA35A2VEB	x4	RZAG125N2Y1B				16.5	–	20	–	9.3	0.234	1.2	0.089 x4	1.4 x4
FBA50A2VEB	x3	RZAG125N2Y1B				16.2	–	20	–	10.3	0.234	1.2	0.089 x3	1.4 x3
FBA71A2VEB	x2	RZAG125N2Y1B				16.1	–	20	–	11.8	0.234	1.2	0.070 x2	1.3 x2
FBA140A2VEB		RZAG125N2Y1B				17.4	–	20	–	11.8	0.234	1.2	0.187	3.9
FUA71AVEB9	x2	RZAG125N2Y1B				15.4	–	16	–	11.8	0.234	1.2	0.046 x2	0.9 x2
FAA71BUV1B	x2	RZAG125N2Y1B				14.6	–	16	–	11.8	0.234	1.2	0.048 x2	0.5 x2
FVA140AMVEB9		RZAG125N2Y1B				15.4	–	16	–	11.8	0.234	1.2	0.276	1.8
FDXM35F3V1B	x4	RZAG125N2Y1B				12.2	–	16	–	9.3	0.234	1.2	0.034 x4	0.3 x4
FDXM50F3V1B	x3	RZAG125N2Y1B				14.8	–	16	–	10.3	0.234	1.2	0.060 x3	0.9 x3
FHA35AVEB98	x4	RZAG125N2Y1B				13.4	–	16	–	9.3	0.234	1.2	0.090 x4	0.6 x4
FHA50AVEB98	x3	RZAG125N2Y1B				13.8	–	16	–	10.3	0.234	1.2	0.090 x3	0.6 x3
FHA71AVEB98	x2	RZAG125N2Y1B				15.2	–	16	–	11.8	0.234	1.2	0.110 x2	0.8 x2
FHA140AVEB8		RZAG125N2Y1B				15.4	–	16	–	11.8	0.234	1.2	0.251	1.8
FCAHG71HVEB	x2	RZAG140N2Y1B	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		RZAG140N2Y1B				15.0	–	16	–	11.6	0.234	1.4	0.244	1.4
FCAG35BVEB	x4	RZAG140N2Y1B				12.2	–	16	–	9.1	0.234	1.4	0.044 x4	0.3 x4
FCAG50BVEB	x3	RZAG140N2Y1B				12.9	–	16	–	10.1	0.234	1.4	0.039 x3	0.3 x3
FCAG71BVEB	x2	RZAG140N2Y1B				14.4	–	16	–	11.6	0.234	1.4	0.054 x2	0.4 x2
FCAG140BVEB		RZAG140N2Y1B				14.9	–	16	–	11.6	0.234	1.4	0.168	1.3
FFA35A2VEB	x4	RZAG140N2Y1B				11.8	–	16	–	9.1	0.234	1.4	0.050 x4	0.2 x4
FFA50A2VEB	x3	RZAG140N2Y1B				13.2	–	16	–	10.1	0.234	1.4	0.050 x3	0.4 x3
FBA35A2VEB	x4	RZAG140N2Y1B				16.5	–	20	–	9.1	0.234	1.4	0.089 x4	1.4 x4
FBA50A2VEB	x3	RZAG140N2Y1B				16.2	–	20	–	10.1	0.234	1.4	0.089 x3	1.4 x3
FBA71A2VEB	x2	RZAG140N2Y1B				16.1	–	20	–	11.6	0.234	1.4	0.070 x2	1.3 x2
FBA140A2VEB		RZAG140N2Y1B				17.4	–	20	–	11.6	0.234	1.4	0.187	3.9
FUA71AVEB9	x2	RZAG140N2Y1B				15.4	–	16	–	11.6	0.234	1.4	0.046 x2	0.9 x2
FAA71BUV1B	x2	RZAG140N2Y1B				14.6	–	16	–	11.6	0.234	1.4	0.048 x2	0.5 x2
FVA140AMVEB		RZAG140N2Y1B				15.4	–	16	–	11.6	0.234	1.4	0.276	1.8
FDXM35F3V1B	x4	RZAG140N2Y1B				12.2	–	16	–	9.1	0.234	1.4	0.034 x4	0.3 x4
FDXM50F3V1B	x3	RZAG140N2Y1B				14.8	–	16	–	10.1	0.234	1.4	0.060 x3	0.9 x3
FHA35AVEB98	x4	RZAG140N2Y1B				13.4	–	16	–	9.1	0.234	1.4	0.090 x4	0.6 x4
FHA50AVEB98	x3	RZAG140N2Y1B				13.8	–	16	–	10.1	0.234	1.4	0.090 x3	0.6 x3
FHA71AVEB98	x2	RZAG140N2Y1B				15.2	–	16	–	11.6	0.234	1.4	0.110 x2	0.8 x2
FHA140AVEB8		RZAG140N2Y1B				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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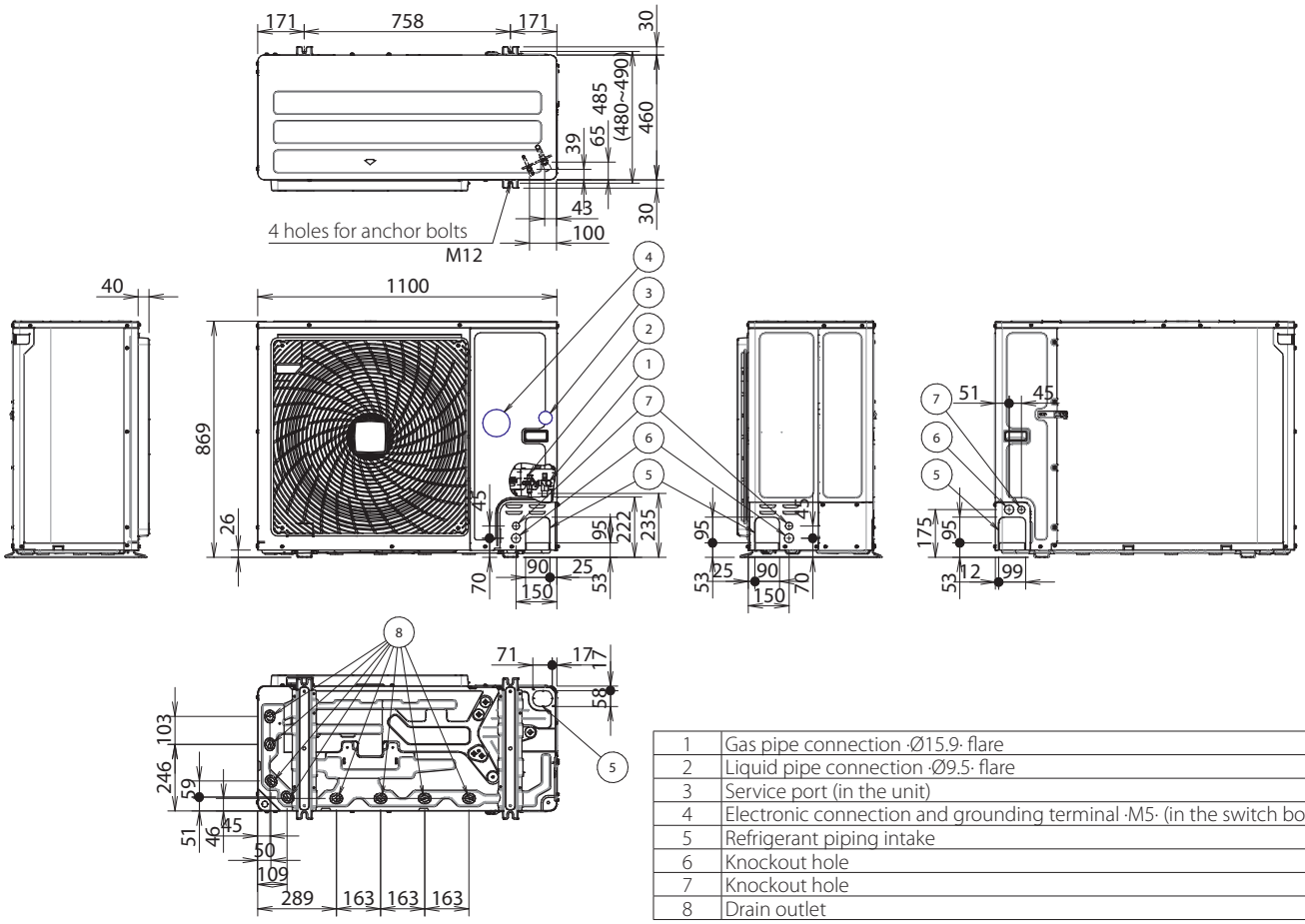
RZAG-NV1 / RZAG-NY1



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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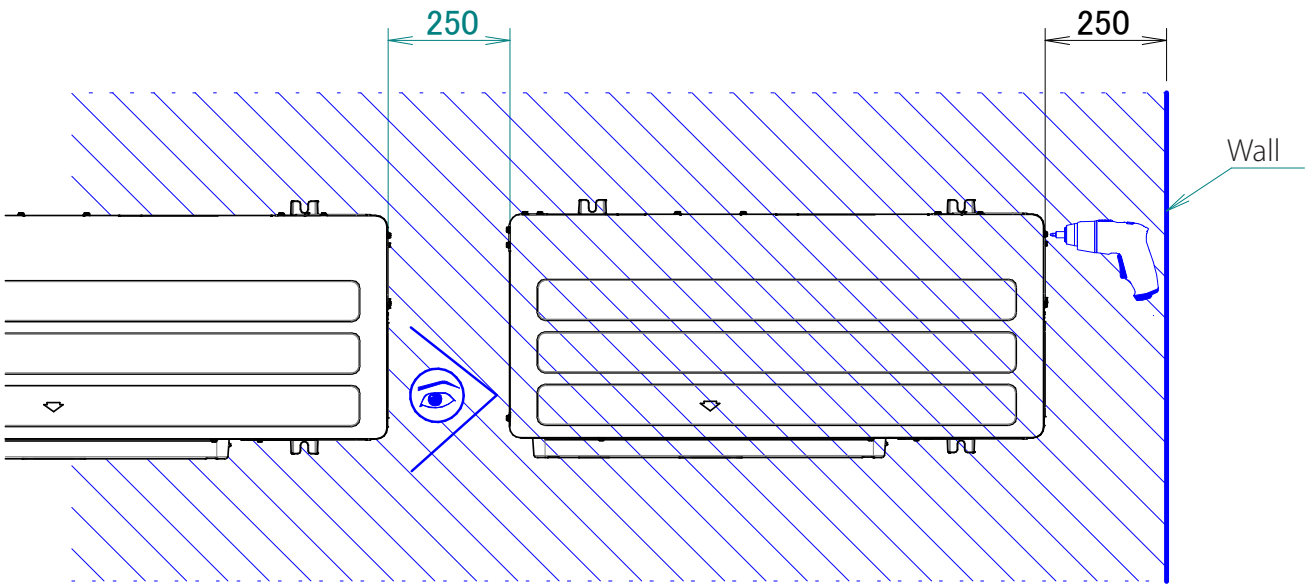
RZAG-NV1/NY1
RZA-D



* For optimal serviceability, provide ·250·mm of free space.
For more installation and service space guidelines, see drawing ·3D069554·.

3D120935

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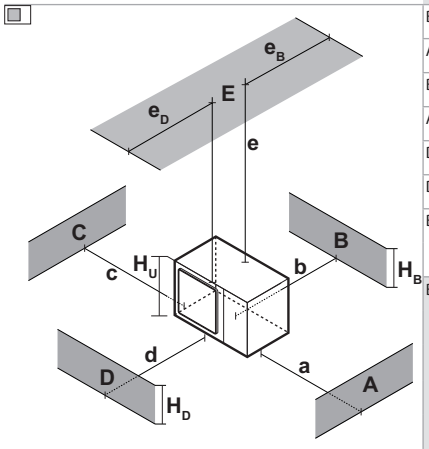
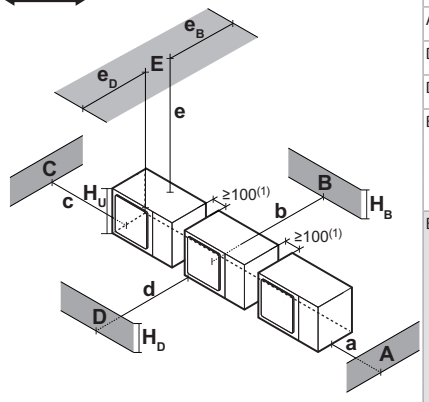
RZAG-NV1/NY1
RZA-D

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, 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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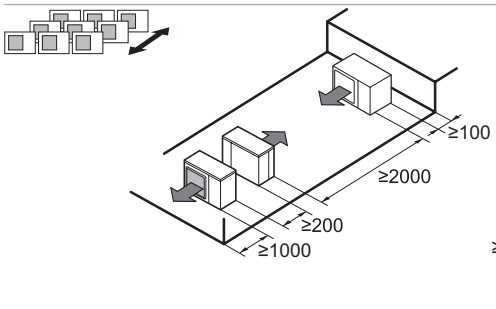
RZAG-NV1/NY1
RZA-D

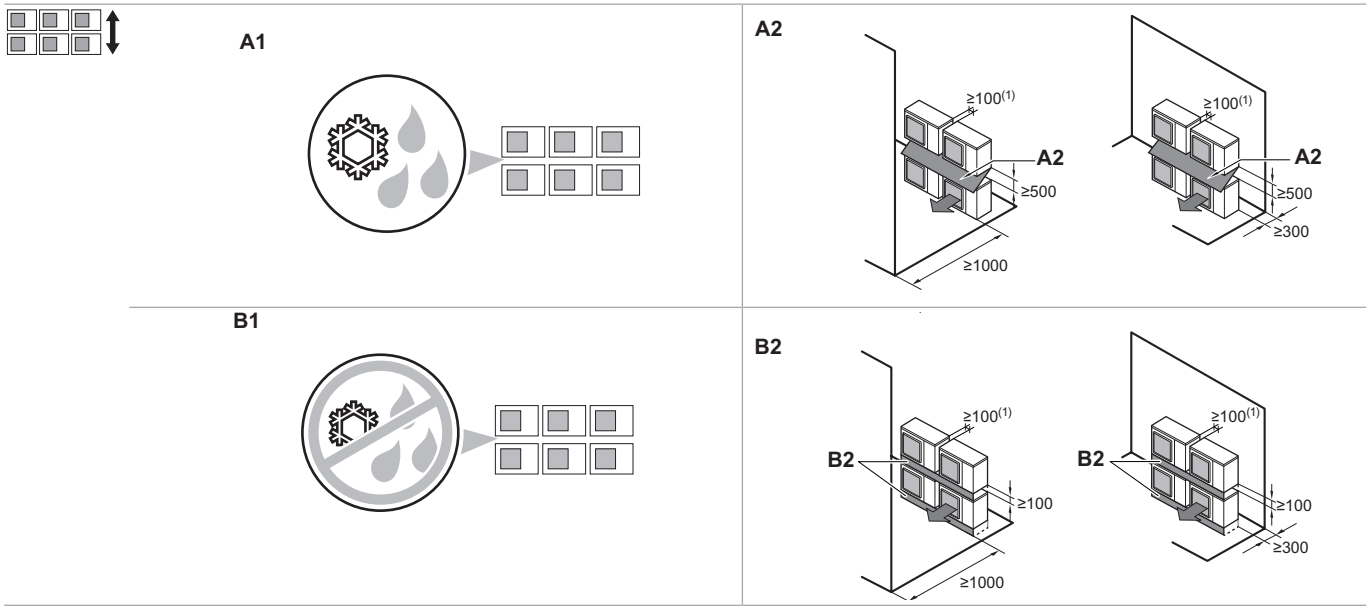
Multiple rows of units ( )



H_B H_U	b (mm)
$H_B \leq \frac{1}{2}H_U$	b≥250
$\frac{1}{2}H_U < H_B \leq H_U$	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.

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RZAG-NV1/NY1

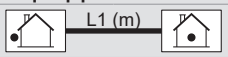
To determine if adding additional refrigerant is necessary

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.

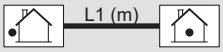
INFORMATION

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:	**40~50**	**50~55**	**55~60**	**60~70**	**70~80**	**80~85**
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:	**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)

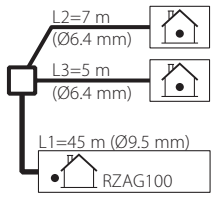
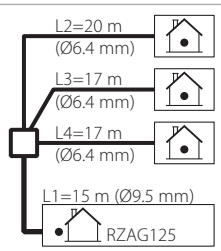
(a) Only for RZAG100~140.
(b) Only for RZAG71.

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

3D110014H

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

									Compressor		OFM		IFM	
Indoor		Outdoor	Power supply	Voltage range		MCA	TOCA	MFA	MSC	RLA	kW	FLA	kW	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

									Compressor		OFM		IFM	
Indoor		Outdoor	Power supply	Voltage range		MCA	TOCA	MFA	MSC	RLA	kW	FLA	kW	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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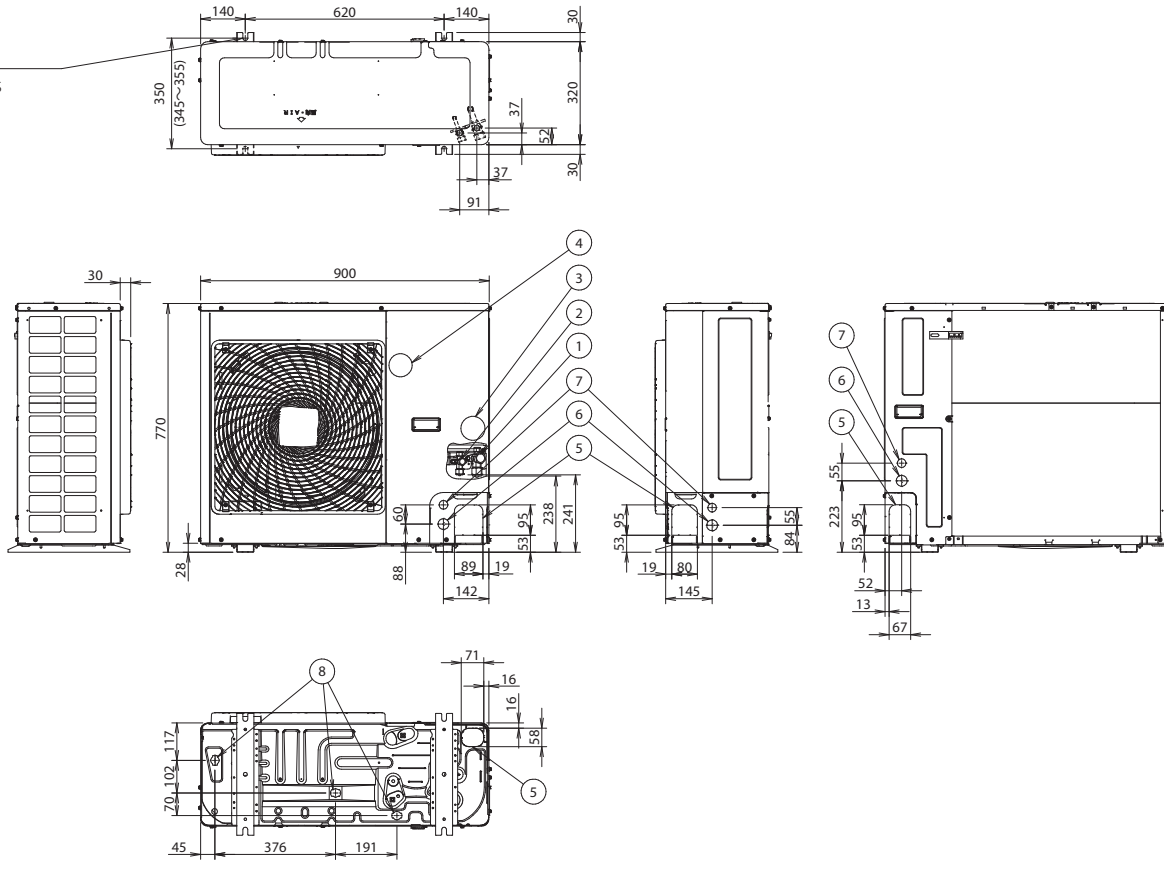
RZASG71MV1

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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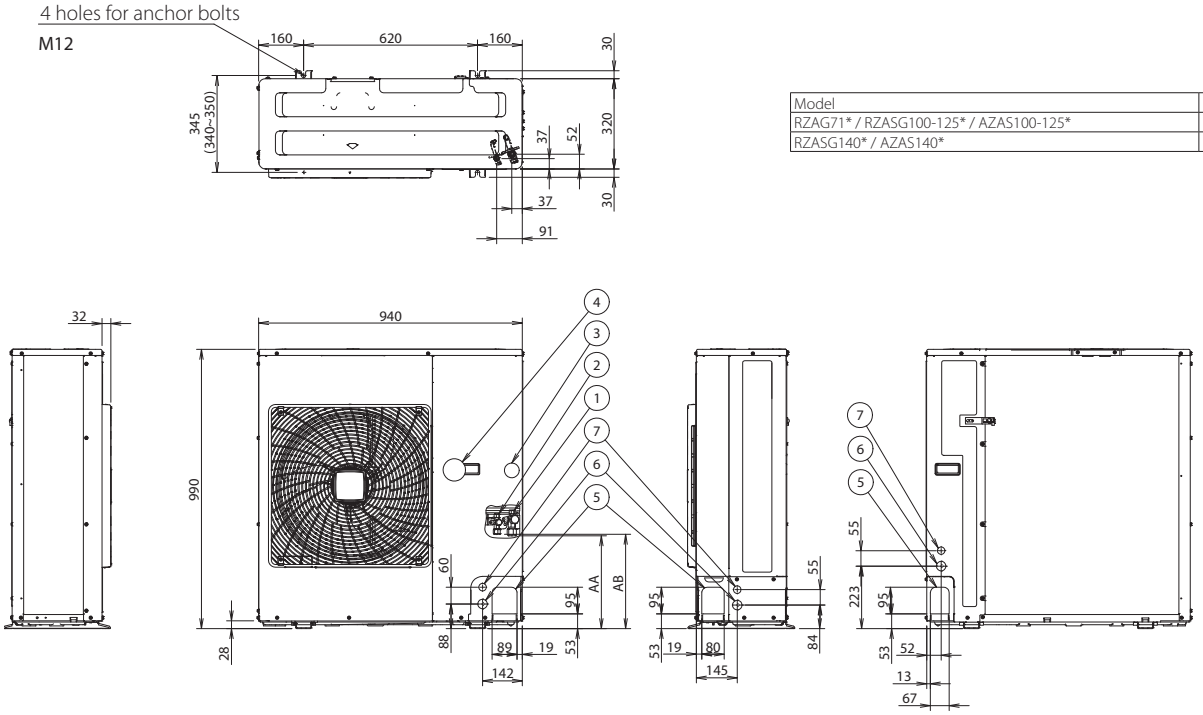
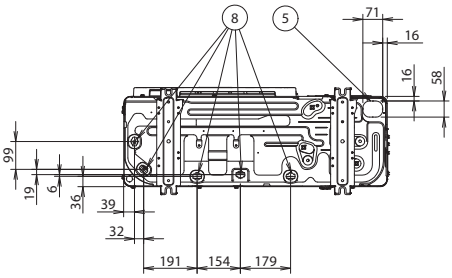
RZASG100-140MV1/MY1



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

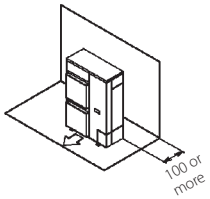
The measure of these values is "mm".

(A) When there are obstacles on suction sides.

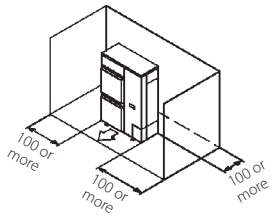
- **No obstacle above**

(1) Stand-alone installation

- Obstacle on the suction side only

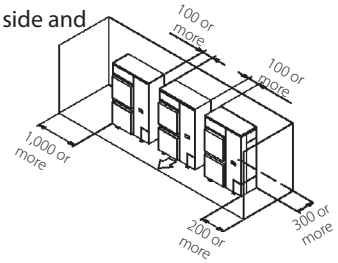


- Obstacle on both sides and suction side, too



(2) Series installation (2 or more) (note 1)

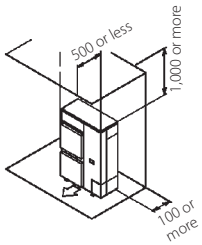
- Obstacle on the suction side and both sides



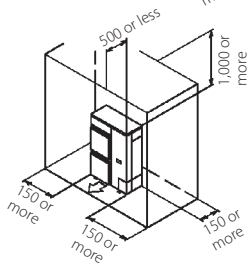
- **Obstacle above, too**

(1) Stand-alone installation

- Obstacle on the suction side, too

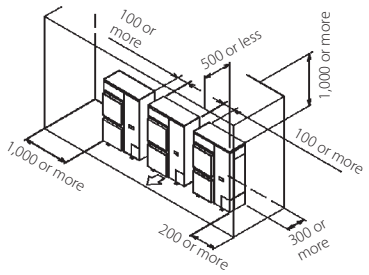


- Obstacle on both sides and suction side, too



(2) Series installation (2 or more) (note 1)

- Obstacle on the suction side and both sides

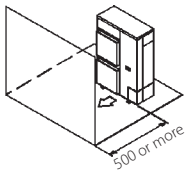


(B) When there are obstacles on discharge sides.

- **No obstacle above**

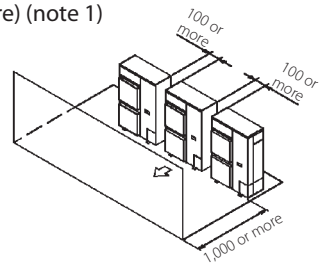
(1) Stand-alone installation

- Obstacle on the discharge side only



(2) Series installation (2 or more) (note 1)

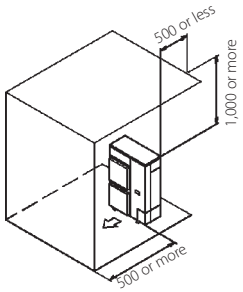
- Obstacle on the suction side only



- **Obstacle above, too**

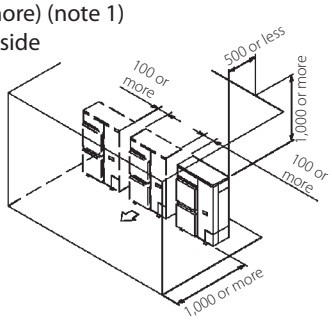
(1) Stand-alone installation

- 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

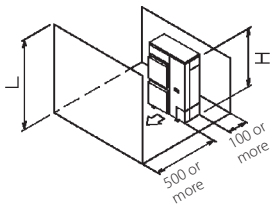
When the obstades on the discharge side is higher than the unit. (L > H)

(There is no limit for the height of obstructions on the suction side.)

- **No obstacle above**

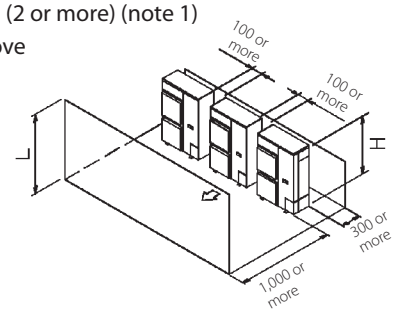
(1) Stand-alone installation

- No obstacle above



(2) Series installation (2 or more) (note 1)

- No obstacle above



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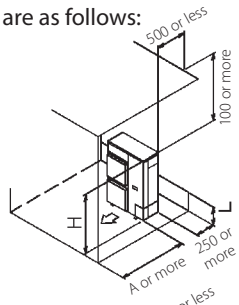
- **Obstacle above, too**

(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:

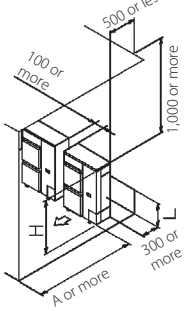
	L	A
L ≤ H	L ≤ 1/2H	750 or more
	1/2H < L ≤ H	1,000 or more
H < L	Set the stand as: L ≤ H Refer to the column of L ≤ H for A	



(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

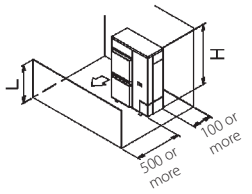
When the obstade on the discharge side is lower than the unit (L ≤ H)

(There is no limit for the height of obstructions on the suction side.)

- **No obstacle above**

(1) Stand-alone installation

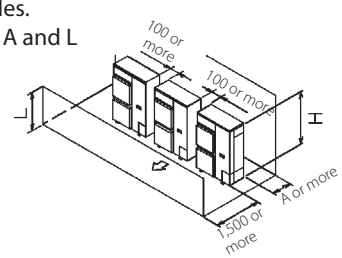
- No obstacle above



(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

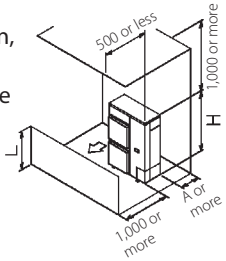


- **Obstacle above**

(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.

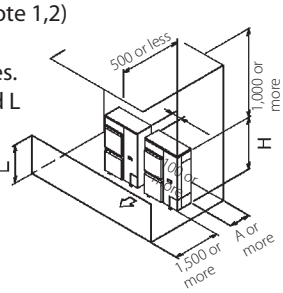
	L	A
L ≤ H	L ≤ 1/2H	100 or more
	1/2H < L ≤ H	200 or more
H < L	Set the stand as: L ≤ H Refer to the column of L ≤ H for A	



(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	

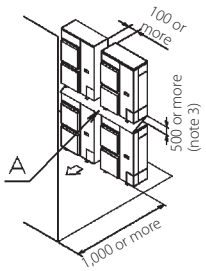


Limit of series installation is 2 units.

(D) Double-decker installation

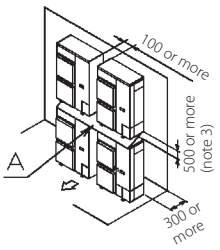
(1) Obstacle on the discharge side. (1)

- 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.



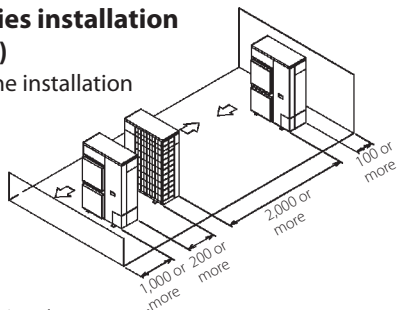
(2) Obstacle on the suction side. (1)

- 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.)

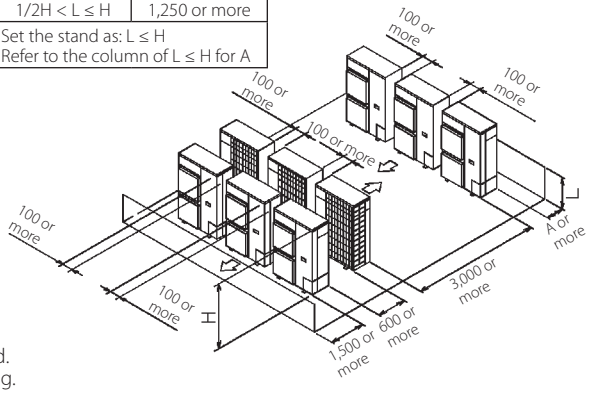
(1) One row of stand-alone installation



(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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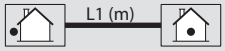
To determine if adding additional refrigerant is necessary

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.

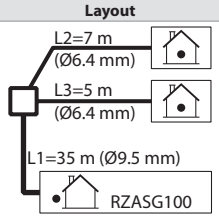
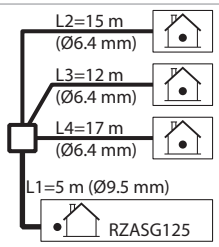
If	Then
G1>30 m	Use the table below to determine R1
G1≤30 m (and G1+G2>30 m)	R1=0.0 kg. Use the table below to determine R2.

	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

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RZASG-MV

									Compressor		OFM		IFM	
Indoor		Outdoor	Power supply	Voltage range		MCA	TOCA	MFA	MSC	RLA	kW	FLA	kW	FLA
FCAG35BVEB	x3	RZASG100MUV	50Hz ~ 220-240V	Minimum: ·198 V·	Maximum ·264 V·	21.7	-	25	-	19	0.2	1	0.044 x3	0.3 x3
FCAG50BVEB	x2	RZASG100MUV				21.4	-	25	-	19	0.2	1	0.039 x2	0.3 x2
FCAG100BVEB		RZASG100MUV				21.5	-	25	-	19	0.2	1	0.117	0.7
FFA35A2VEB9	x3	RZASG100MUV				22.0	-	25	-	19	0.2	1	0.050 x3	0.4 x3
FFA50A2VEB9	x2	RZASG100MUV				21.6	-	25	-	19	0.2	1	0.050 x2	0.4 x2
FBA35A2VEB9	x3	RZASG100MUV				22.7	-	25	-	19	0.2	1	0.089 x3	0.6 x3
FBA50A2VEB9	x2	RZASG100MUV				22.0	-	25	-	19	0.2	1	0.089 x2	0.6 x2
FBA100A2VEB9		RZASG100MUV				21.8	-	25	-	19	0.2	1	0.127	1
FNA35A2VEB9	x3	RZASG100MUV				21.7	-	25	-	19	0.2	1	0.034 x3	0.3 x3
FNA50A2VEB9	x2	RZASG100MUV				21.8	-	25	-	19	0.2	1	0.060 x2	0.5 x2
FUA100AVEB9		RZASG100MUV				22.2	-	25	-	19	0.2	1	0.106	1.3
FAA100BUV1B		RZASG100MUV				21.7	-	25	-	19	0.2	1	0.064	0.9
FVA100AMVEB		RZASG100MUV				22.0	-	25	-	19	0.2	1	0.238	1.2
FDXM35F3V1B9	x3	RZASG100MUV				21.7	-	25	-	19	0.2	1	0.034 x3	0.3 x3
FDXM50F3V1B9	x2	RZASG100MUV				21.8	-	25	-	19	0.2	1	0.060 x2	0.5 x2
FHA35AVEB9	x3	RZASG100MUV				22.7	-	25	-	19	0.2	1	0.090 x3	0.6 x3
FHA50AVEB9	x2	RZASG100MUV				22.0	-	25	-	19	0.2	1	0.090 x2	0.6 x2
FHA100AVEB9		RZASG100MUV				22.2	-	25	-	19	0.2	1	0.172	1.3
FCAG35BVEB	x4	RZASG125MUV	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	RZASG125MUV				27.7	-	32	-	24.7	0.2	1	0.039 x3	0.3 x3
FCAG60BVEB	x2	RZASG125MUV				27.4	-	32	-	24.7	0.2	1	0.044 x2	0.3 x2
FCAG125BVEB		RZASG125MUV				27.8	-	32	-	24.7	0.2	1	0.168	1
FFA35A2VEB9	x4	RZASG125MUV				28.4	-	32	-	24.7	0.2	1	0.050 x4	0.4 x4
FFA50A2VEB9	x3	RZASG125MUV				28.0	-	32	-	24.7	0.2	1	0.050 x3	0.4 x3
FFA60A2VEB9	x2	RZASG125MUV				28.0	-	32	-	24.7	0.2	1	0.050 x2	0.6 x2
FBA35A2VEB9	x4	RZASG125MUV				29.2	-	32	-	24.7	0.2	1	0.089 x4	0.6 x4
FBA50A2VEB9	x3	RZASG125MUV				28.6	-	32	-	24.7	0.2	1	0.089 x3	0.6 x3
FBA60A2VEB9	x2	RZASG125MUV				27.8	-	32	-	24.7	0.2	1	0.070 x2	0.5 x2
FBA125A2VEB9		RZASG125MUV				28.3	-	32	-	24.7	0.2	1	0.187	1.5
FNA35A2VEB9	x4	RZASG125MUV				28.0	-	32	-	24.7	0.2	1	0.034 x4	0.3 x4
FNA50A2VEB9	x3	RZASG125MUV				28.3	-	32	-	24.7	0.2	1	0.060 x3	0.5 x3
FNA60A2VEB9	x2	RZASG125MUV				27.8	-	32	-	24.7	0.2	1	0.060 x2	0.5 x2
FUA125AVEB9		RZASG125MUV				28.2	-	32	-	24.7	0.2	1	0.106	1.4
FDA125A5VEB		RZASG125MUV				28.9	-	32	-	24.7	0.2	1	0.35	2.1
FVA125AMVEB		RZASG125MUV				28.0	-	32	-	24.7	0.2	1	0.238	1.2
FDXM35F3V1B9	x4	RZASG125MUV				28.0	-	32	-	24.7	0.2	1	0.034 x4	0.3 x4
FDXM50F3V1B9	x3	RZASG125MUV				28.3	-	32	-	24.7	0.2	1	0.060 x3	0.5 x3
FDXM60F3V1B9	x2	RZASG125MUV				27.8	-	32	-	24.7	0.2	1	0.060 x2	0.5 x2
FHA35AVEB9	x4	RZASG125MUV				29.2	-	32	-	24.7	0.2	1	0.090 x4	0.6 x4
FHA50AVEB9	x3	RZASG125MUV				28.6	-	32	-	24.7	0.2	1	0.090 x3	0.6 x3
FHA60AVEB9	x2	RZASG125MUV				28.0	-	32	-	24.7	0.2	1	0.091 x2	0.6 x2
FHA125AVEB9		RZASG125MUV				28.3	-	32	-	24.7	0.2	1	0.217	1.5
FCAG35BVEB	x4	RZASG140MUV	50Hz ~ 220-240V	Minimum: ·198 V·	Maximum ·264 V·	27.2	-	32	-	24	0.2	1	0.044 x4	0.3 x4
FCAG50BVEB	x3	RZASG140MUV				26.9	-	32	-	24	0.2	1	0.039 x3	0.3 x3
FCAG71BVEB	x2	RZASG140MUV				26.8	-	32	-	24	0.2	1	0.054 x2	0.4 x2
FCAG140BVEB		RZASG140MUV				27.0	-	32	-	24	0.2	1	0.168	1
FFA35A2VEB9	x4	RZASG140MUV				27.7	-	32	-	24	0.2	1	0.050 x4	0.4 x4
FFA50A2VEB9	x3	RZASG140MUV				27.2	-	32	-	24	0.2	1	0.050 x3	0.4 x3
FBA35A2VEB9	x4	RZASG140MUV				28.5	-	32	-	24	0.2	1	0.089 x4	0.6 x4
FBA50A2VEB9	x3	RZASG140MUV				27.9	-	32	-	24	0.2	1	0.089 x3	0.6 x3
FBA71A2VEB9	x2	RZASG140MUV				27.0	-	32	-	24	0.2	1	0.070 x2	0.5 x2
FBA140A2VEB9		RZASG140MUV				27.6	-	32	-	24	0.2	1	0.187	1.5
FNA35A2VEB9	x4	RZASG140MUV				27.2	-	32	-	24	0.2	1	0.034 x4	0.3 x4
FNA50A2VEB9	x3	RZASG140MUV				27.6	-	32	-	24	0.2	1	0.060 x3	0.5 x3
FUA71AVEB9	x2	RZASG140MUV				27.9	-	32	-	24	0.2	1	0.046 x2	0.9 x2
FAA71BUV1B	x2	RZASG140MUV				26.8	-	32	-	24	0.2	1	0.048 x2	0.5 x2
FVA71AMVEB	x2	RZASG140MUV				27.2	-	32	-	24	0.2	1	0.117 x2	0.6 x2
FVA140AMVEB		RZASG140MUV				27.5	-	32	-	24	0.2	1	0.276	1.4
FDXM35F3V1B9	x4	RZASG140MUV				27.2	-	32	-	24	0.2	1	0.034 x4	0.3 x4
FDXM50F3V1B9	x3	RZASG140MUV				27.6	-	32	-	24	0.2	1	0.060 x3	0.5 x3
FHA35AVEB9	x4	RZASG140MUV				28.5	-	32	-	24	0.2	1	0.090 x4	0.6 x4
FHA50AVEB9	x3	RZASG140MUV				27.9	-	32	-	24	0.2	1	0.090 x3	0.6 x3
FHA71AVEB9	x2	RZASG140MUV				27.7	-	32	-	24	0.2	1	0.110 x2	0.8 x2
FHA140AVEB9		RZASG140MUV				27.9	-	32	-	24	0.2	1	0.251	1.8

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RZASG-MY

									Compressor		OFM		IFM	
Indoor		Outdoor	Power supply	Voltage range		MCA	TOCA	MFA	MSC	RLA	kW	FLA	kW	FLA
FCAG35BVEB	x3	RZASG100MUY	3N~ 50Hz 380-415V	Minimum: ·342 V·	Maximum ·456 V·	13.0	-	16	-	10.6	0.2	1	0.044 x3	0.3 x3
FCAG50BVEB	x2	RZASG100MUY				12.7	-	16	-	10.6	0.2	1	0.039 x2	0.3 x2
FCAG100BVEB		RZASG100MUY				14.2	-	16	-	12	0.2	1	0.117	0.7
FFA35A2VEB9	x3	RZASG100MUY				13.3	-	16	-	10.6	0.2	1	0.050 x3	0.4 x3
FFA50A2VEB9	x2	RZASG100MUY				12.9	-	16	-	10.6	0.2	1	0.050 x2	0.4 x2
FBA35A2VEB9	x3	RZASG100MUY				13.9	-	16	-	10.6	0.2	1	0.089 x3	0.6 x3
FBA50A2VEB9	x2	RZASG100MUY				13.3	-	16	-	10.6	0.2	1	0.089 x2	0.6 x2
FBA100A2VEB9		RZASG100MUY				14.6	-	16	-	12	0.2	1	0.127	1
FNA35A2VEB9	x3	RZASG100MUY				13.0	-	16	-	10.6	0.2	1	0.034 x3	0.3 x3
FNA50A2VEB9	x2	RZASG100MUY				13.1	-	16	-	10.6	0.2	1	0.060 x2	0.5 x2
FUA100AVEB9		RZASG100MUY				14.9	-	16	-	12	0.2	1	0.106	1.3
FAA100BUV1B		RZASG100MUY				14.4	-	16	-	12	0.2	1	0.064	0.9
FVA100AMVEB		RZASG100MUY				14.8	-	16	-	12	0.2	1	0.238	1.2
FDXM35F3V1B9	x3	RZASG100MUY				13.0	-	16	-	10.6	0.2	1	0.034 x3	0.3 x3
FDXM50F3V1B9	x2	RZASG100MUY				13.1	-	16	-	10.6	0.2	1	0.060 x2	0.5 x2
FHA35AVEB9	x3	RZASG100MUY				13.9	-	16	-	10.6	0.2	1	0.090 x3	0.6 x3
FHA50AVEB9	x2	RZASG100MUY				13.3	-	16	-	10.6	0.2	1	0.090 x2	0.6 x2
FHA100AVEB9		RZASG100MUY				14.9	-	16	-	12	0.2	1	0.172	1.3
FCAG35BVEB	x4	RZASG125MUY	3N~ 50Hz 380-415V	Minimum: ·342 V·	Maximum ·456 V·	12.2	-	16	-	9.5	0.2	1	0.044 x4	0.3 x4
FCAG50BVEB	x3	RZASG125MUY				13.0	-	16	-	10.6	0.2	1	0.039 x3	0.3 x3
FCAG60BVEB	x2	RZASG125MUY				12.7	-	16	-	10.6	0.2	1	0.044 x2	0.3 x2
FCAG125BVEB		RZASG125MUY				14.6	-	16	-	12	0.2	1	0.168	1
FFA35A2VEB9	x4	RZASG125MUY				12.6	-	16	-	10.6	0.2	1	0.050 x4	0.4 x4
FFA50A2VEB9	x3	RZASG125MUY				13.3	-	16	-	10.6	0.2	1	0.050 x3	0.4 x3
FFA60A2VEB9	x2	RZASG125MUY				13.3	-	16	-	9.5	0.2	1	0.050 x2	0.6 x2
FBA35A2VEB9	x4	RZASG125MUY				13.4	-	16	-	10.6	0.2	1	0.089 x4	0.6 x4
FBA50A2VEB9	x3	RZASG125MUY				13.9	-	16	-	10.6	0.2	1	0.089 x3	0.6 x3
FBA60A2VEB9	x2	RZASG125MUY				13.1	-	16	-	9.5	0.2	1	0.070 x2	0.5 x2
FBA125A2VEB9		RZASG125MUY				15.1	-	16	-	10.6	0.2	1	0.187	1.5
FNA35A2VEB9	x4	RZASG125MUY				12.2	-	16	-	10.6	0.2	1	0.034 x4	0.3 x4
FNA50A2VEB9	x3	RZASG125MUY				13.6	-	16	-	12	0.2	1	0.060 x3	0.5 x3
FNA60A2VEB9	x2	RZASG125MUY				13.1	-	16	-	10.6	0.2	1	0.060 x2	0.5 x2
FUA125AVEB9		RZASG125MUY				15.0	-	16	-	10.6	0.2	1	0.106	1.4
FDA125A5VEB		RZASG125MUY				15.7	-	16	-	12	0.2	1	0.35	2.1
FVA125AMVEB		RZASG125MUY				14.8	-	16	-	12	0.2	1	0.238	1.2
FDXM35F3V1B9	x4	RZASG125MUY				12.2	-	16	-	12	0.2	1	0.034 x4	0.3 x4
FDXM50F3V1B9	x3	RZASG125MUY				13.6	-	16	-	9.5	0.2	1	0.060 x3	0.5 x3
FDXM60F3V1B9	x2	RZASG125MUY				13.1	-	16	-	10.6	0.2	1	0.060 x2	0.5 x2
FHA35AVEB9	x4	RZASG125MUY				13.4	-	16	-	10.6	0.2	1	0.090 x4	0.6 x4
FHA50AVEB9	x3	RZASG125MUY				13.9	-	16	-	9.5	0.2	1	0.090 x3	0.6 x3
FHA60AVEB9	x2	RZASG125MUY				13.3	-	16	-	10.6	0.2	1	0.091 x2	0.6 x2
FHA125AVEB9		RZASG125MUY				15.1	-	16	-	12	0.2	1	0.217	1.5
FCAG35BVEB	x4	RZASG140MUY	3N~ 50Hz 380-415V	Minimum: ·342 V·	Maximum ·456 V·	12.2	-	16	-	9.5	0.2	1	0.044 x4	0.3 x4
FCAG50BVEB	x3	RZASG140MUY				12.9	-	16	-	10.5	0.2	1	0.039 x3	0.3 x3
FCAG71BVEB	x2	RZASG140MUY				14.4	-	16	-	12	0.2	1	0.054 x2	0.4 x2
FCAG140BVEB		RZASG140MUY				14.6	-	16	-	12	0.2	1	0.168	1
FFA35A2VEB9	x4	RZASG140MUY				12.6	-	16	-	9.5	0.2	1	0.050 x4	0.4 x4
FFA50A2VEB9	x3	RZASG140MUY				13.2	-	16	-	10.5	0.2	1	0.050 x3	0.4 x3
FBA35A2VEB9	x4	RZASG140MUY				13.4	-	16	-	9.5	0.2	1	0.089 x4	0.6 x4
FBA50A2VEB9	x3	RZASG140MUY				13.8	-	16	-	10.5	0.2	1	0.089 x3	0.6 x3
FBA71A2VEB9	x2	RZASG140MUY				14.6	-	16	-	12	0.2	1	0.070 x2	0.5 x2
FBA140A2VEB9		RZASG140MUY				15.1	-	16	-	12	0.2	1	0.187	1.5
FNA35A2VEB9	x4	RZASG140MUY				12.2	-	16	-	9.5	0.2	1	0.034 x4	0.3 x4
FNA50A2VEB9	x3	RZASG140MUY				13.5	-	16	-	10.5	0.2	1	0.060 x3	0.5 x3
FUA71AVEB9	x2	RZASG140MUY				15.4	-	16	-	12	0.2	1	0.046 x2	0.9 x2
FAA71BUV1B	x2	RZASG140MUY				14.4	-	16	-	12	0.2	1	0.048 x2	0.5 x2
FVA71AMVEB	x2	RZASG140MUY				14.8	-	16	-	12	0.2	1	0.117 x2	0.6 x2
FVA140AMVEB		RZASG140MUY				15.0	-	16	-	12	0.2	1	0.276	1.4
FDXM35F3V1B9	x4	RZASG140MUY				12.2	-	16	-	9.5	0.2	1	0.034 x4	0.3 x4
FDXM50F3V1B9	x3	RZASG140MUY				13.5	-	16	-	10.5	0.2	1	0.060 x3	0.5 x3
FHA35AVEB9	x4	RZASG140MUY				13.4	-	16	-	9.5	0.2	1	0.090 x4	0.6 x4
FHA50AVEB9	x3	RZASG140MUY				13.8	-	16	-	10.5	0.2	1	0.090 x3	0.6 x3
FHA71AVEB9	x2	RZASG140MUY				15.2	-	16	-	12	0.2	1	0.110 x2	0.8 x2
FHA140AVEB9		RZASG140MUY				15.4	-	16	-	12	0.2	1	0.251	1.8

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RZASG-MV/MY

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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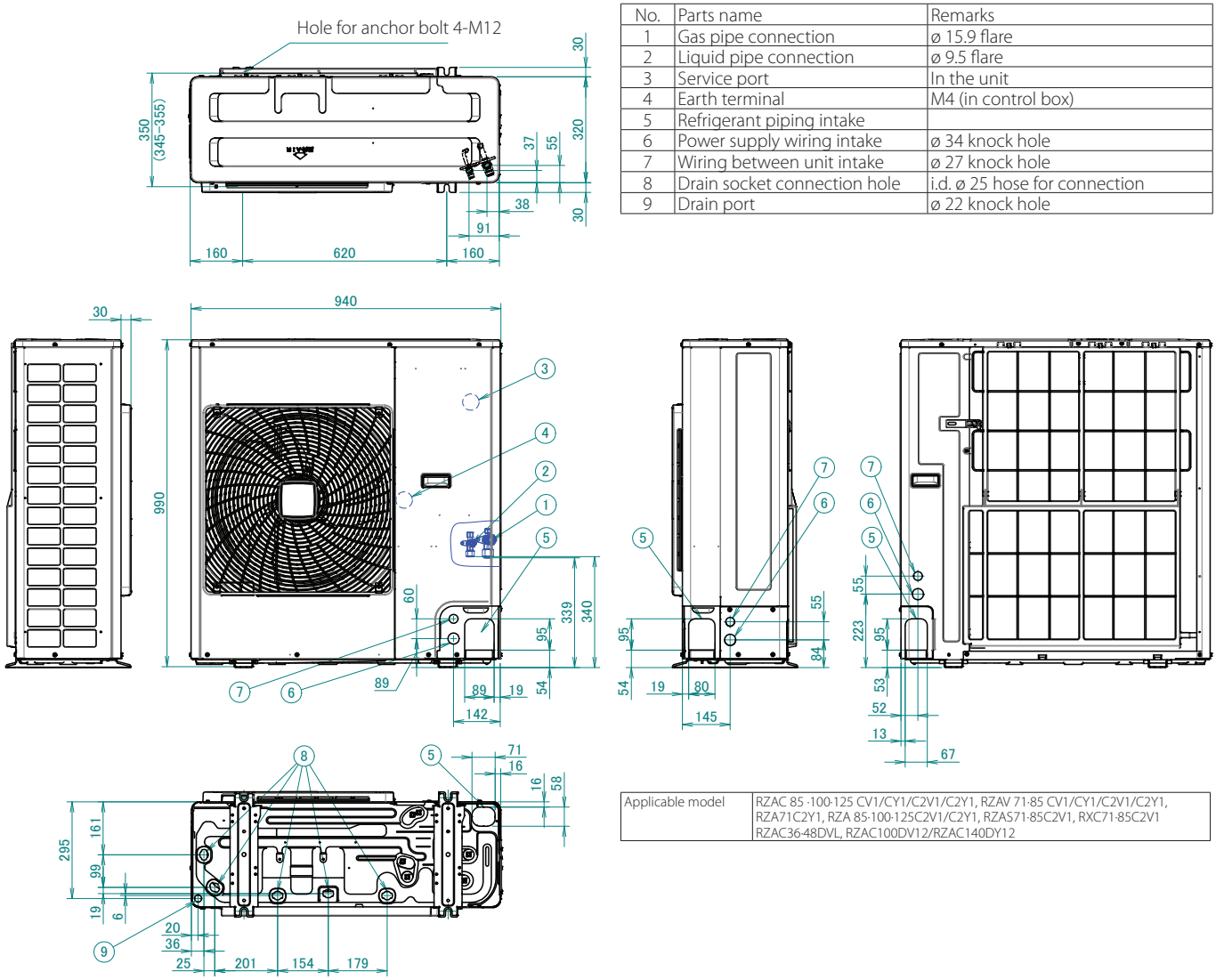
RZASG-MV/MY



No.	Parts name	Remarks
1	Gas pipe connection	ø 15.9 flare
2	Liquid pipe connection	ø 9.5 flare
3	Service port	In the unit
4	Earth terminal	M4 (in control box)
5	Refrigerant piping intake	
6	Power supply wiring intake	ø 34 knock hole
7	Wiring between unit intake	ø 27 knock hole
8	Drain socket connection hole	i.d. ø 25 hose for connection
9	Drain port	ø 22 knock hole

Applicable model	RZAC 85·100·125 CV1/CY1/C2V1/C2Y1, RZAV 71·85 CV1/CY1/C2V1/C2Y1, RZA71C2Y1, RZA 85·100·125C2V1/C2Y1, RZAS71·85C2V1, RXC71·85C2V1 RZAC36·48DVL, RZAC100DV12/RZAC140DY12

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RZASG-MV/MY

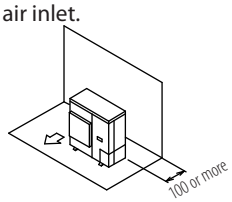
Installation servicing space

(The unit of the values is mm.)

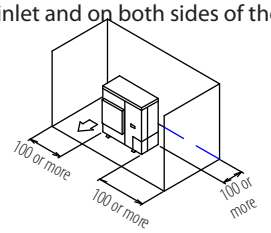
Installation of single unit

When nothing is obstructing the top

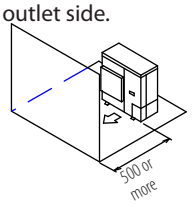
(1) In case obstacles exist only in front of the air inlet.



(2) In case obstacles exist in front of the air inlet and on both sides of the unit.

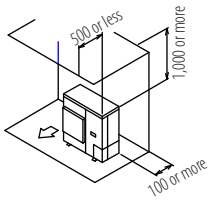


(3) In case obstacles exist only in front of outlet side.

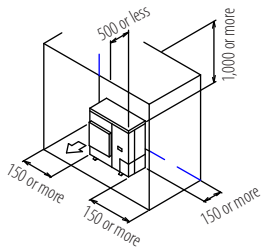


When something is obstructing the top

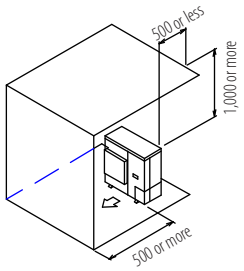
(1) In case obstacles exist in front of the air inlet.



(2) In case obstacles exist in front of the air inlet and on both sides of the unit.



(3) In case obstacles exist in front of outlet side.

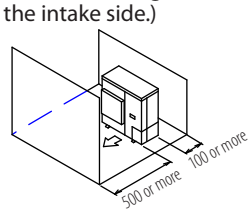


In case obstacles exist in front of both the air inlet and outlet sides

Pattern 1 Where obstacle in front of the air outlet is higher than the unit.

(1) When nothing is obstructing the top.

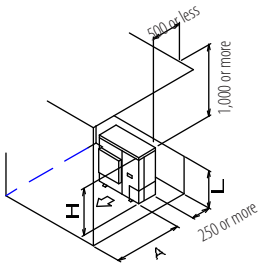
(There is no height limit for obstructions on the intake side.)



(2) When something is obstructing the top.

Relation of dimensions of H, A, and L are shown in the table below

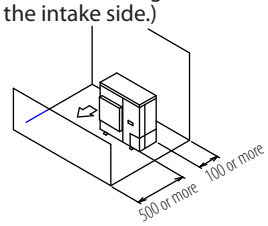
	L	A
L ≤ H	0 < L ≤ 1/2H	750 or more
	1/2H < L ≤ H	1,000 or more
L > H	Set the frame to be L≤H. Refer to the column of L≤H for A.	



Pattern 2 Where obstacles in front of the air outlet is lower than the unit.

(1) When nothing is obstructing the top.

(There is no height limit for obstructions on the intake side.)

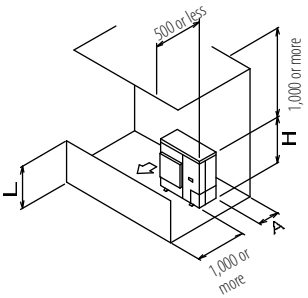


(2) When something is obstructing the top.

Relation of dimensions of H, A, and L are shown in the table below

	L	A
L ≤ H	0 < L ≤ 1/2H	100 or more
	1/2H < L ≤ H	200 or more
L > H	Set the frame to be L≤H. Refer to the column of L≤H for A.	

Get the lower part of the frame sealed so that air from the outlet does not bypass.

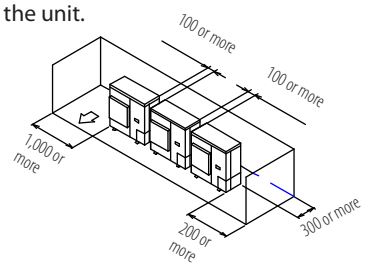


IN CASE OF INSTALLING MULTIPLE UNITS (2 UNITS OR MORE) IN LATERAL CONNECTION PER ROW

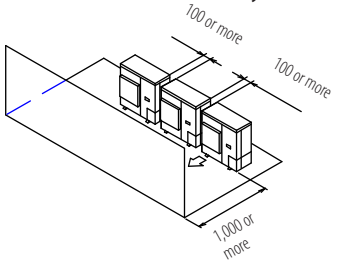
- Secure appropriate space when using a side piping outlet.

When nothing is obstructing the top

(1) In case obstacles exist in front of the air inlet and on both sides of the unit.



(2) In case obstacles exist only in front of outlet side.



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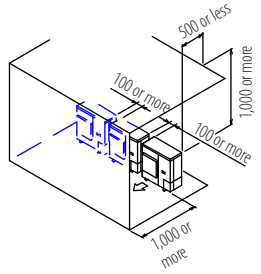
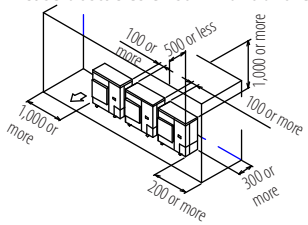
When something is obstructing the top

(1) In case obstacles exist in front of outlet side.



(2) In case obstacles exist in front of the air inlet and on both sides of the unit.

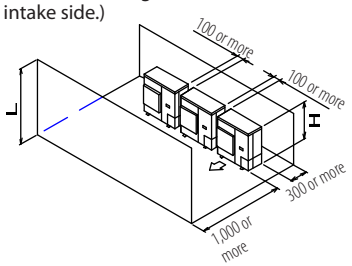


In case obstacles exist in front of both the air inlet and outlet sides

Pattern 1 Where obstacle in front of the air outlet is higher than the unit.

(1) When nothing is obstructing the top.

(There is no height limit for obstructions on the intake side.)



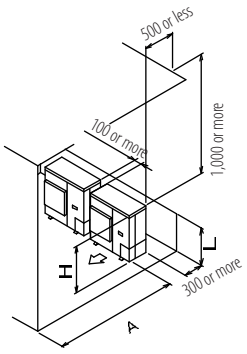
(2) When something is obstructing the top.

Relation of dimensions of H, A, and L are shown in the table below

	L	A
L ≤ H	0 < L ≤ 1/2H	1,000 or more
	1/2H < L ≤ H	1,250 or more
L > H	Set the frame to be L≤H. Refer to the column of L≤H for A.	

Get the lower part of the frame sealed so that air from the outlet does not bypass.

Only two units at most can be installed in series

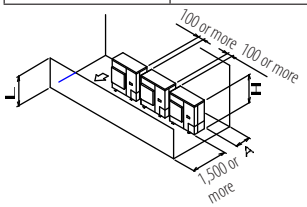


Pattern 2 Where obstacles in front of the air outlet is lower than the unit.

(1) When nothing is obstructing the top.

(There is no height limit for obstructions on the intake side.)

L	A
0 < L ≤ 1/2H	250 or more
1/2H < L ≤ H	300 or more



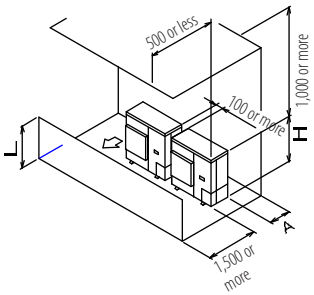
(2) When something is obstructing the top.

Relation of dimensions of H, A, and L are shown in the table below

	L	A
L ≤ H	0 < L ≤ 1/2H	250 or more
	1/2H < L ≤ H	300 or more
L > H	Set the frame to be L≤H. Refer to the column of L≤H for A.	

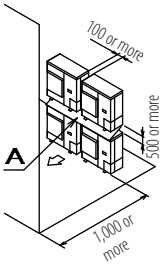
Get the lower part of the frame sealed so that air from the outlet does not bypass.

Only two units at most can be installed in series.

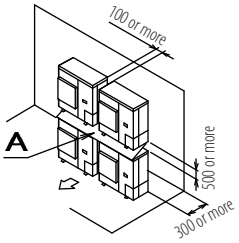


IN CASE OF STACKED INSTALLATION

(1) In case obstacles exist in front of outlet side.



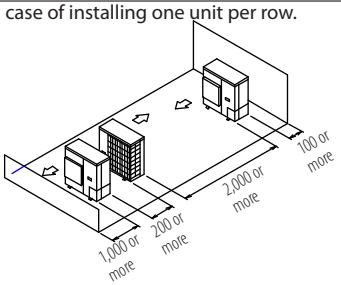
(2) In case obstacles exist in front of the air inlet.



- 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. (A space of at least 500 mm is recommended.)
- 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 beat least 100 mm. (Close off the gap between the upper and lower units so there is no reintake of discharged air.)

IN CASE OF MULTIPLE-ROW INSTALLATION (FOR ROOF TOP USE, ETC.)

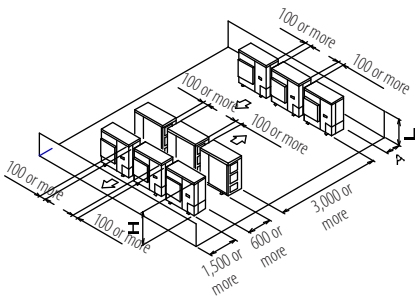
(1) In case of installing one unit per row.



(2) When something is obstructing the top.

Relation of dimensions of H, A, and L are shown in the table below

	L	A
L ≤ H	0 < L ≤ 1/2H	250 or more
	1/2H < L ≤ H	300 or more
L > H	Installation impossible	



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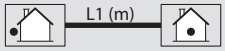
RZASG-MV/MY

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.

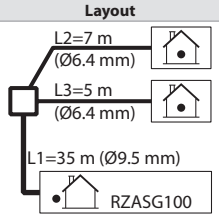
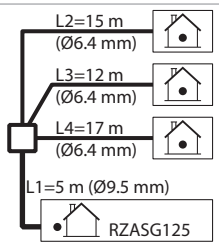
If	Then
G1>30 m	Use the table below to determine R1
G1≤30 m (and G1+G2>30 m)	R1=0.0 kg. Use the table below to determine R2.

	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

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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	Minimum:	Maximum	16.9	–	20	–	14.0	0.6	1.3	4.0
FCAG50BVEB	x4	RZA200D7Y1B	380-415V	·342 V·	·457 V·	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	Minimum:	Maximum	20.2	–	20	–	14.0	0.6	1.3	4.3
FCAG60BVEB	x4	RZA250D7Y1B	380-415V	·342 V·	·457 V·	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

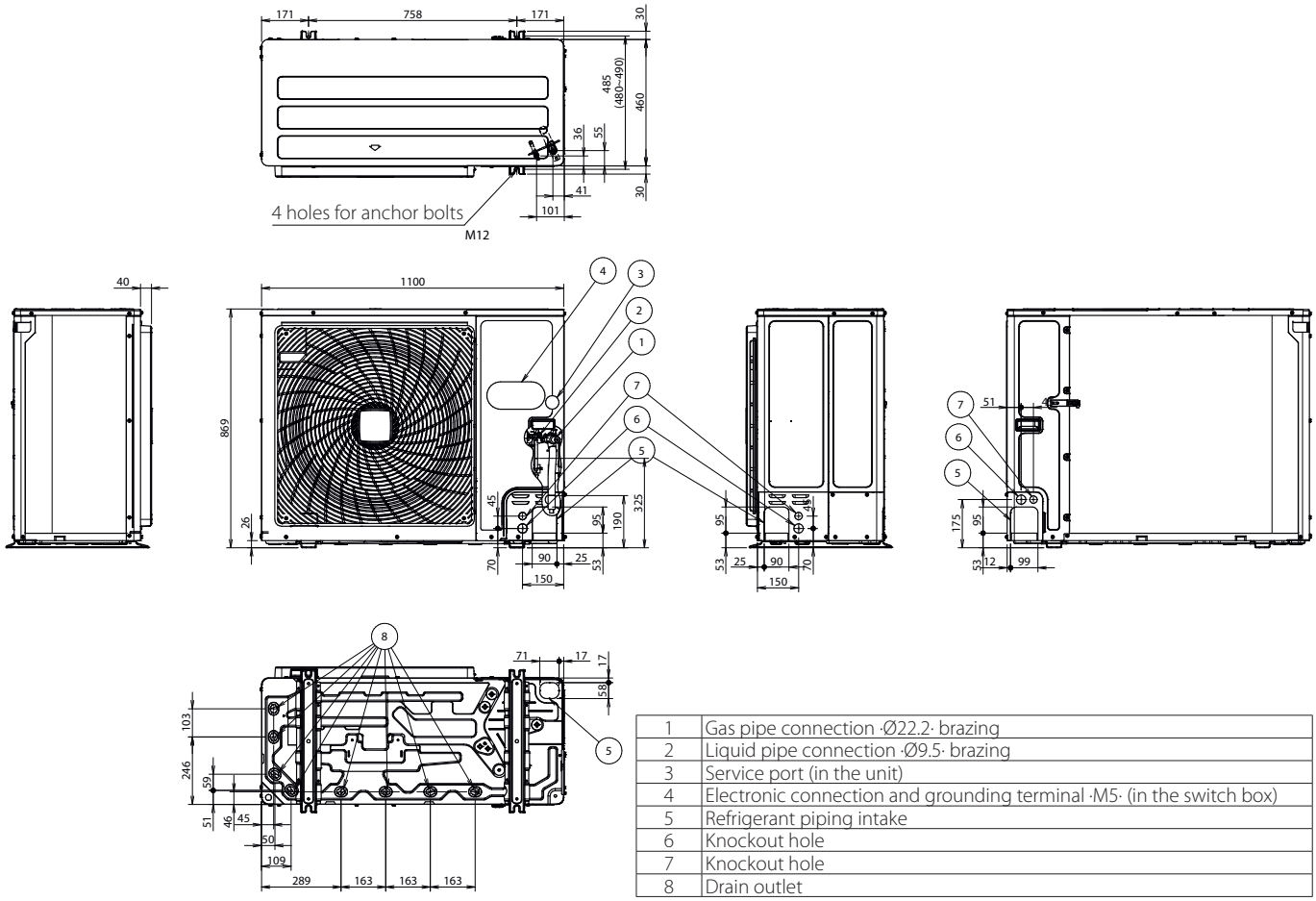
Symbols		
MCA	Minimum Circuit Ampere	[A]
TOCA	Total overcurrent amps	[A]
MFA	Maximum Fuse Ampere	[A]
MSC	Maximum current of the starting compressor	[A]
RLA	Rated load amps	[A]
OFM	Outdoor fan motor	
IFM	Indoor fan motor	
FLA	Full Load Ampere	[A]
kW	Fan motor rated output	[kW]

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

3D125194C

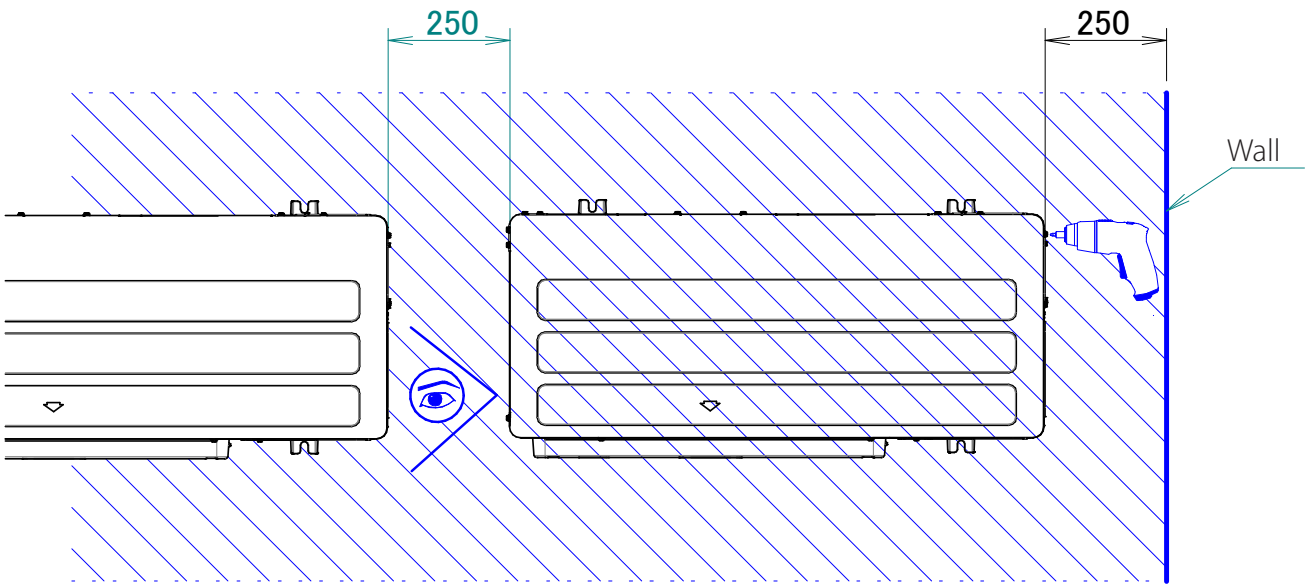
RZA-D



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

RZAG-NV1/NY1
RZA-D



* For optimal serviceability, provide ·250·mm of free space.
For more installation and service space guidelines, see drawing ·3D069554·.

3D120935

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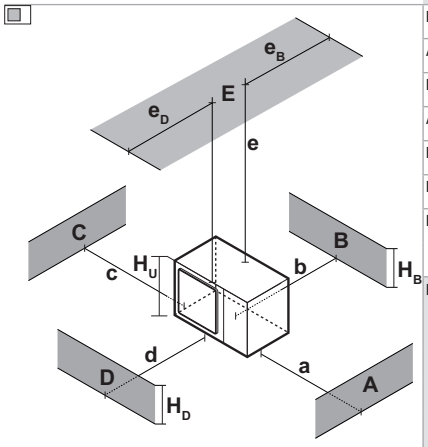
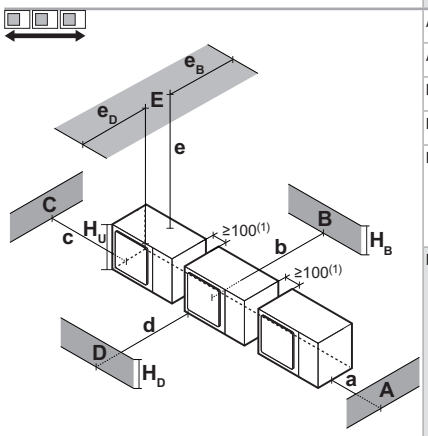
RZAG-NV1/NY1
RZA-D

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, 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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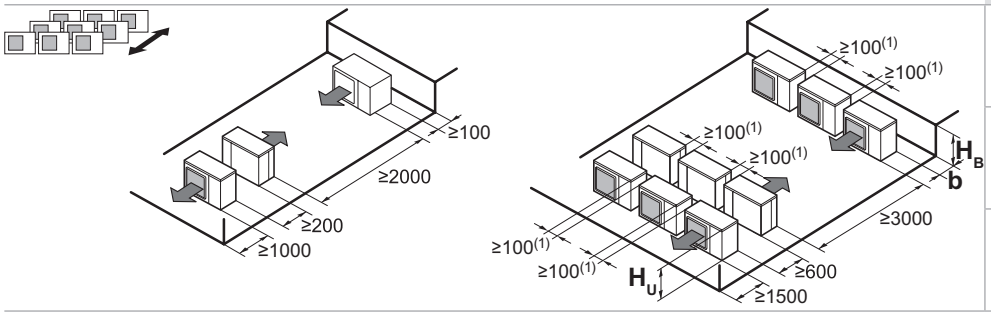
RZAG-NV1/NY1
RZA-D

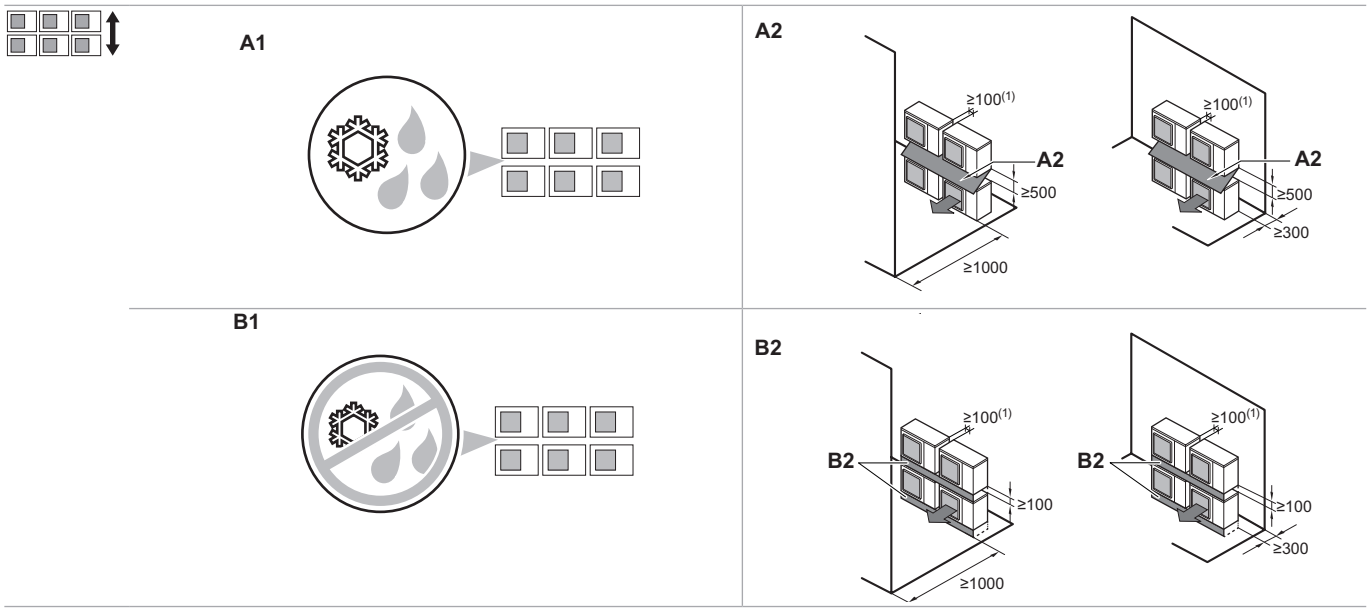
Multiple rows of units ( )



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.

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RZA-D

To determine the additional refrigerant amount

To determine if adding additional refrigerant is necessary

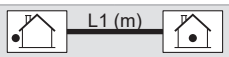
Chargeless length	
Ø standard	30 m
Ø size-up of **gas** piping	30 m
Ø size-up of **liquid** piping	20 m

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.

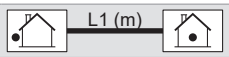
To determine the additional refrigerant amount (R in kg) (in case of pair)

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].

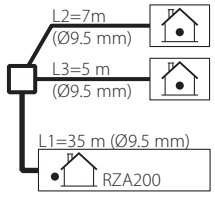
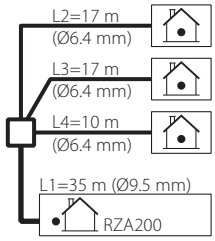
(a) In case of size-up: replace 30 m by 20 m.

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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AZAS-MV

Indoor	Outdoor	Power supply	Voltage range		MCA	TOCA	MFA	Compressor MSC	Compressor RLA	OFM kW	OFM FLA	IFM kW	IFM FLA
FCAG100BVEB	AZAS100MUV	50Hz ~ 220-240V	Minimum: ·198 V·	Maximum ·264 V·	21.5	-	25	-	19	0.2	1	0.117	0.7
FBA100A2VEB9	AZAS100MUV				21.8	-	25	-	19	0.2	1	0.127	1
FAA100BUV1B	AZAS100MUV				21.7	-	25	-	19	0.2	1	0.064	0.9
ADEA100A2VEB	AZAS100MUV				21.8	-	25	-	19	0.2	1	0.127	1
FVA100AMVEB	AZAS100MUV				22.0	-	25	-	19	0.2	1	0.238	1.2
FHA100AVEB9	AZAS100MUV				22.2	-	25	-	19	0.2	1	0.172	1.3
FCAG125BVEB	AZAS125MUV				27.8	-	32	-	24.7	0.2	1	0.168	1
FBA125A2VEB9	AZAS125MUV				28.3	-	32	-	24.7	0.2	1	0.187	1.5
ADEA125A2VEB	AZAS125MUV				28.3		32	-	24.7	0.2	1	0.187	1.5
FVA125AMVEB	AZAS125MUV				28.0		32	-	24.7	0.2	1	0.238	1.2
FHA125AVEB9	AZAS125MUV				28.3		32	-	24.7	0.2	1	0.217	1.5
FCAG140BVEB	AZAS140MUV				27.0		32	-	24	0.2	1	0.168	1
FBA140A2VEB9	AZAS140MUV				27.6		32	-	24	0.2	1	0.187	1.5
FVA140AMVEB	AZAS140MUV				27.5		32	-	24	0.2	1	0.276	1.4
FHA140AVEB9	AZAS140MUV				27.9		32	-	24	0.2	1	0.251	1.8

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AZAS-MY

Indoor	Outdoor	Power supply	Voltage range		MCA	TOCA	MFA	Compressor MSC	Compressor RLA	OFM kW	OFM FLA	IFM kW	IFM FLA
FCAG100BVEB	AZAS100MUY	3N~ 50Hz 380-415V	Minimum: ·342 V·	Maximum ·456 V·	14.2		16	-	12	0.2	1	0.117	0.7
FBA100A2VEB9	AZAS100MUY				14.6		16	-	12	0.2	1	0.127	1
FAA100BUV1B	AZAS100MUY				14.4		16	-	12	0.2	1	0.064	0.9
FVA100AMVEB	AZAS100MUY				14.8		16	-	12	0.2	1	0.238	1.2
FHA100AVEB9	AZAS100MUY				14.9		16	-	12	0.2	1	0.172	1.3
FCAG125BVEB	AZAS125MUY				14.6		16	-	12	0.2	1	0.168	1
FBA125A2VEB9	AZAS125MUY				15.1		16	-	12	0.2	1	0.187	1.5
FVA125AMVEB	AZAS125MUY				14.8		16	-	12	0.2	1	0.238	1.2
FHA125AVEB9	AZAS125MUY				15.1		16	-	12	0.2	1	0.217	1.5
FCAG140BVEB	AZAS140MUY				14.6		16	-	12	0.2	1	0.168	1
FBA140A2VEB9	AZAS140MUY				15.1		16	-	12	0.2	1	0.187	1.5
FVA140AMVEB	AZAS140MUY				15.0		16	-	12	0.2	1	0.276	1.4
FHA140AVEB9	AZAS140MUY				15.4		16	-	12	0.2	1	0.251	1.8

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AZAS-MV/MY

Symbols			Notes
MCA	Minimum Circuit Ampere	[A]	1 The ·RLA· is based on the following conditions.
TOCA	Total overcurrent amps	[A]	Cooling
MFA	Maximum Fuse Ampere	[A]	Indoor temperature ·27.0·°C DB / ·19.0·°C WB
MSC	Maximum current of the starting compressor	[A]	Outdoor temperature ·35.0·°C DB
RLA	Rated load amps	[A]	Heating
OFM	Outdoor fan motor		Indoor temperature ·20.0·°C DB
IFM	Indoor fan motor		Outdoor temperature ·7.0·°C DB / ·6.0·°C WB
FLA	Full Load Ampere	[A]	2 ·TOCA· is the total value of each overcurrent set.
kW	Fan motor rated output	[kW]	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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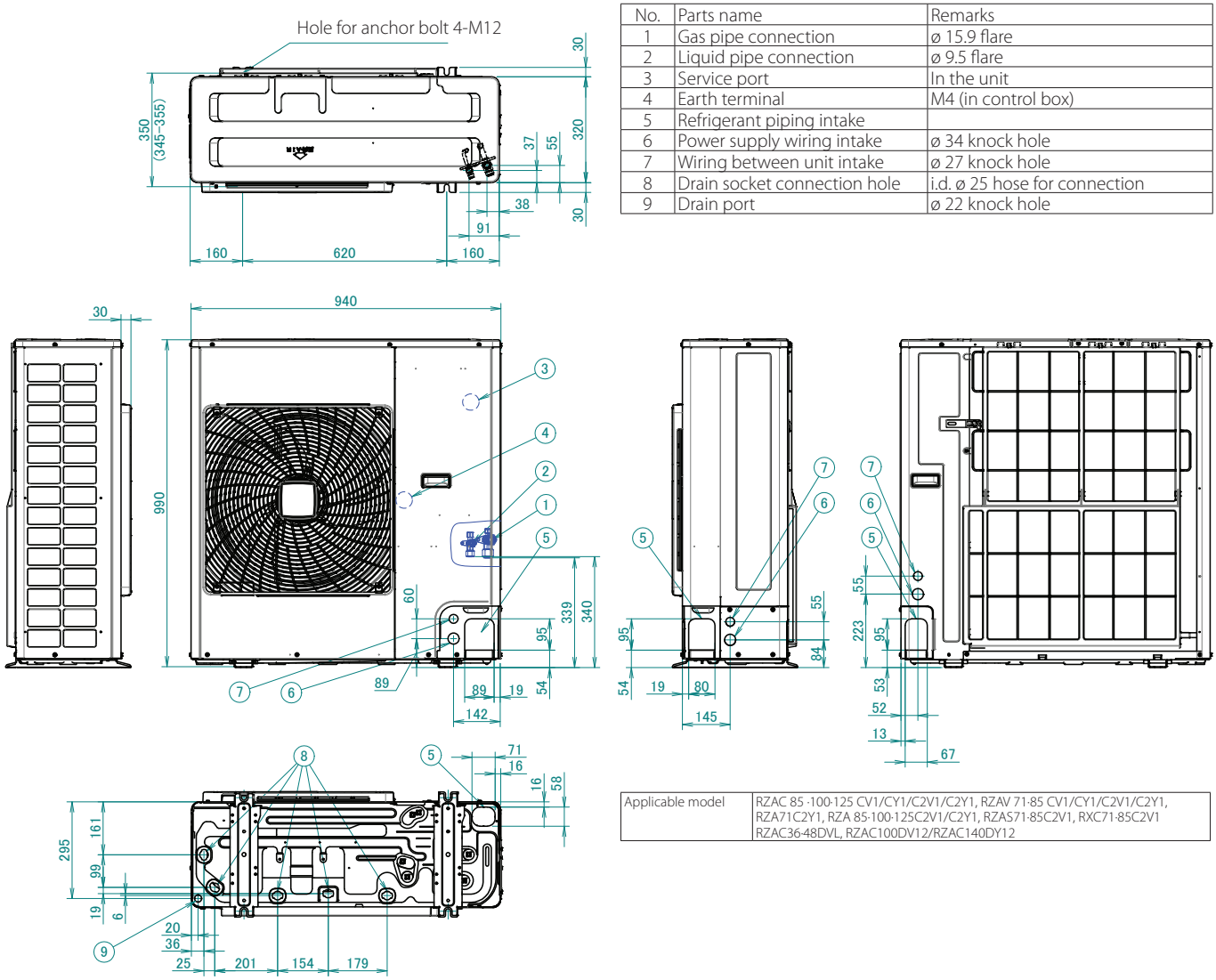
AZAS-MV/MY



No.	Parts name	Remarks
1	Gas pipe connection	ø 15.9 flare
2	Liquid pipe connection	ø 9.5 flare
3	Service port	In the unit
4	Earth terminal	M4 (in control box)
5	Refrigerant piping intake	
6	Power supply wiring intake	ø 34 knock hole
7	Wiring between unit intake	ø 27 knock hole
8	Drain socket connection hole	i.d. ø 25 hose for connection
9	Drain port	ø 22 knock hole

Applicable model	RZAC 85·100·125 CV1/CY1/C2V1/C2Y1, RZAV 71·85 CV1/CY1/C2V1/C2Y1, RZA71C2Y1, RZA 85·100·125C2V1/C2Y1, RZAS71·85C2V1, RXC71·85C2V1 RZAC36·48DVL, RZAC100DV12/RZAC140DY12

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AZAS-MV/MY

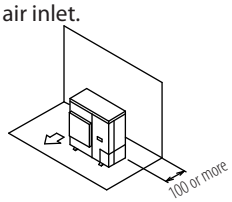
Installation servicing space

(The unit of the values is mm.)

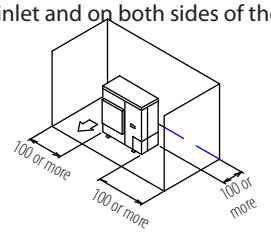
Installation of single unit

When nothing is obstructing the top

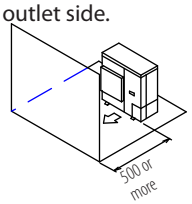
(1) In case obstacles exist only in front of the air inlet.



(2) In case obstacles exist in front of the air inlet and on both sides of the unit.

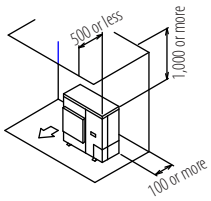


(3) In case obstacles exist only in front of outlet side.

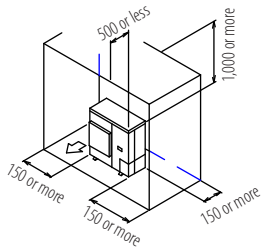


When something is obstructing the top

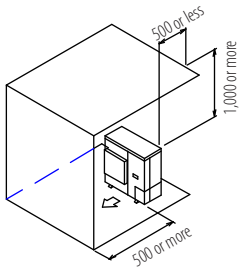
(1) In case obstacles exist in front of the air inlet.



(2) In case obstacles exist in front of the air inlet and on both sides of the unit.



(3) In case obstacles exist in front of outlet side.

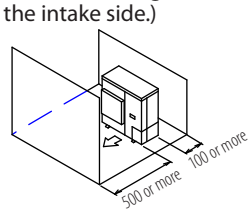


In case obstacles exist in front of both the air inlet and outlet sides

Pattern 1 Where obstacle in front of the air outlet is higher than the unit.

(1) When nothing is obstructing the top.

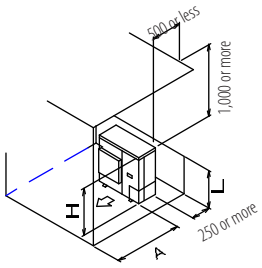
(There is no height limit for obstructions on the intake side.)



(2) When something is obstructing the top.

Relation of dimensions of H, A, and L are shown in the table below

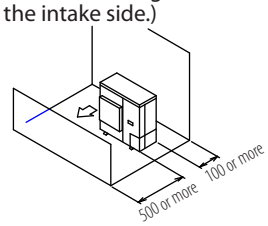
	L	A
L ≤ H	0 < L ≤ 1/2H	750 or more
	1/2H < L ≤ H	1,000 or more
L > H	Set the frame to be L≤H. Refer to the column of L≤H for A.	



Pattern 2 Where obstacles in front of the air outlet is lower than the unit.

(1) When nothing is obstructing the top.

(There is no height limit for obstructions on the intake side.)

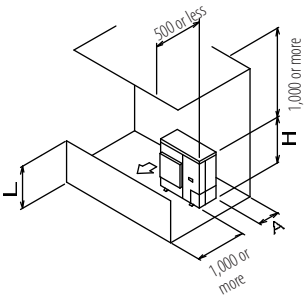


(2) When something is obstructing the top.

Relation of dimensions of H, A, and L are shown in the table below

	L	A
L ≤ H	0 < L ≤ 1/2H	100 or more
	1/2H < L ≤ H	200 or more
L > H	Set the frame to be L≤H. Refer to the column of L≤H for A.	

Get the lower part of the frame sealed so that air from the outlet does not bypass.

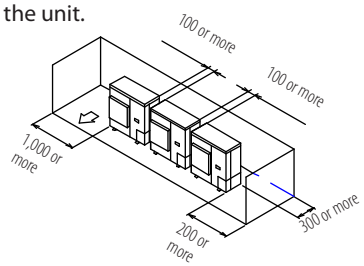


IN CASE OF INSTALLING MULTIPLE UNITS (2 UNITS OR MORE) IN LATERAL CONNECTION PER ROW

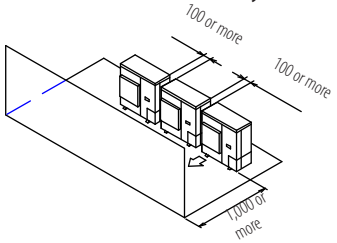
- Secure appropriate space when using a side piping outlet.

When nothing is obstructing the top

(1) In case obstacles exist in front of the air inlet and on both sides of the unit.



(2) In case obstacles exist only in front of outlet side.



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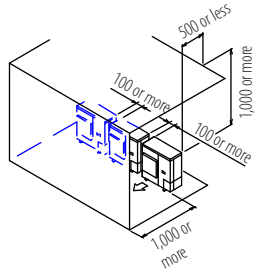
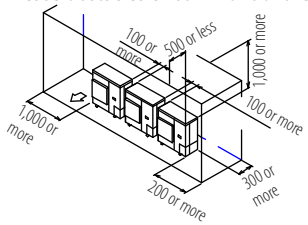
When something is obstructing the top

(1) In case obstacles exist in front of outlet side.



(2) In case obstacles exist in front of the air inlet and on both sides of the unit.

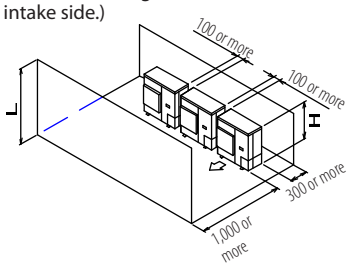


In case obstacles exist in front of both the air inlet and outlet sides

Pattern 1 Where obstacle in front of the air outlet is higher than the unit.

(1) When nothing is obstructing the top.

(There is no height limit for obstructions on the intake side.)



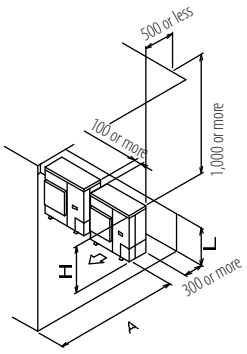
(2) When something is obstructing the top.

Relation of dimensions of H, A, and L are shown in the table below

	L	A
L ≤ H	0 < L ≤ 1/2H	1,000 or more
	1/2H < L ≤ H	1,250 or more
L > H	Set the frame to be L≤H. Refer to the column of L≤H for A.	

Get the lower part of the frame sealed so that air from the outlet does not bypass.

Only two units at most can be installed in series

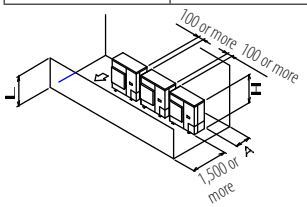


Pattern 2 Where obstacles in front of the air outlet is lower than the unit.

(1) When nothing is obstructing the top.

(There is no height limit for obstructions on the intake side.)

L	A
0 < L ≤ 1/2H	250 or more
1/2H < L ≤ H	300 or more



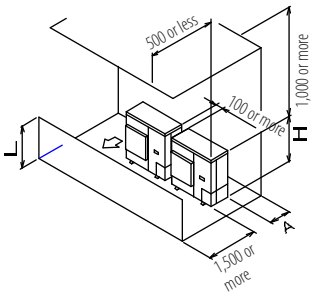
(2) When something is obstructing the top.

Relation of dimensions of H, A, and L are shown in the table below

	L	A
L ≤ H	0 < L ≤ 1/2H	250 or more
	1/2H < L ≤ H	300 or more
L > H	Set the frame to be L≤H. Refer to the column of L≤H for A.	

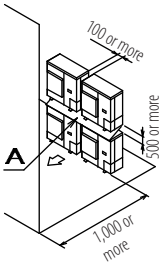
Get the lower part of the frame sealed so that air from the outlet does not bypass.

Only two units at most can be installed in series.

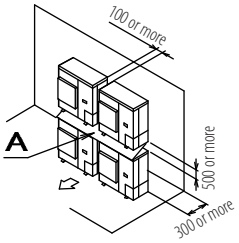


IN CASE OF STACKED INSTALLATION

(1) In case obstacles exist in front of outlet side.



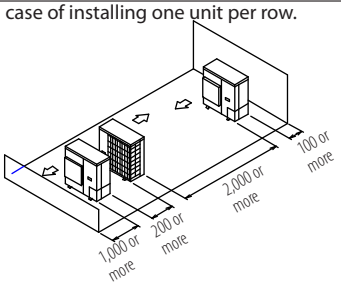
(2) In case obstacles exist in front of the air inlet.



- 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. (A space of at least 500 mm is recommended.)
- 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 beat least 100 mm. (Close off the gap between the upper and lower units so there is no reintake of discharged air.)

IN CASE OF MULTIPLE-ROW INSTALLATION (FOR ROOF TOP USE, ETC.)

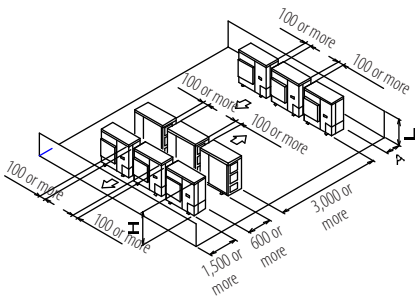
(1) In case of installing one unit per row.



(2) When something is obstructing the top.

Relation of dimensions of H, A, and L are shown in the table below

	L	A
L ≤ H	0 < L ≤ 1/2H	250 or more
	1/2H < L ≤ H	300 or more
L > H	Installation impossible	



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To determine the complete recharge amount (kg)

Model	Lenght
	5~30m
AZAS71	2.45 Kg
AZAS100- 125	2.6 Kg
AZAS140	2.9 Kg

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RXM25-35R9 / ARXM35R9

Unit combination restrictions		Power supply					Compressor		OFM		IFM	
Outdoor unit	Indoor unit	Hz	Voltage	Voltage range	MCA	MFA	RHz	RLA	kW	FLA	kW	FLA
RXM25A5V1B9	FDXM25F3V1B9	50	220	Maximum ·50·Hz ·264·V Minimum ·50·Hz ·198·V	40.43	13	42	2.8	0.048	0.59	0.089	0.64
		50	230					2.7				
		50	240					2.6				
RXM25A5V1B9	FFA25A2VEB9	50	220	Maximum ·50·Hz ·264·V Minimum ·50·Hz ·198·V	10.14	13	40	2.5	0.048	0.59	0.052	0.38
		50	230					2.4				
		50	240					2.3				
RXM25A5V1B9	FNA25A2VEB9	50	220	Maximum ·50·Hz ·264·V Minimum ·50·Hz ·198·V	10.49	13	46	3.1	0.050	0.60	0.094	0.68
		50	230					3.0				
		50	240					2.9				
RXM35A5V1B9	FBA35A2VEB9	50	220	Maximum ·50·Hz ·264·V Minimum ·50·Hz ·198·V	11.73	13	55	3.7	0.050	0.60	0.250	1.81
		50	230					3.5				
		50	240					3.4				
RXM35A5V1B9	FCAG35BVEB	50	220	Maximum ·50·Hz ·264·V Minimum ·50·Hz ·198·V	10.23	13	58	3.6	0.050	0.60	0.062	0.45
		50	230					3.4				
		50	240					3.3				
RXM35A5V1B9	FDXM35F3V1B9	50	220	Maximum ·50·Hz ·264·V Minimum ·50·Hz ·198·V	10.45	13	70	4.5	0.050	0.60	0.089	0.64
		50	230					4.3				
		50	240					4.1				
RXM35A5V1B9	FFA35A2VEB9	50	220	Maximum ·50·Hz ·264·V Minimum ·50·Hz ·198·V	10.15	13	58	3.6	0.050	0.60	0.052	0.38
		50	230					3.4				
		50	240					3.3				
RXM35A5V1B9	FHA35AVEB98	50	220	Maximum ·50·Hz ·264·V Minimum ·50·Hz ·198·V	10.68	13	58	3.7	0.050	0.60	0.118	0.85
		50	230					3.5				
		50	240					3.4				
RXM35A5V1B9	FNA35A2VEB9	50	220	Maximum ·50·Hz ·264·V Minimum ·50·Hz ·198·V	10.49	13	70	4.5	0.050	0.60	0.094	0.68
		50	230					4.3				
		50	240					4.1				
ARXM35A5V1B9	ADEA35A2VEB	50	220	Maximum ·50·Hz ·264·V Minimum ·50·Hz ·198·V	11.73	13	55	3.7	0.050	0.60	0.250	1.81
		50	230					3.5				
		50	240					3.4				
RXM25A5V1B9	FVXM25A3V1B FVXM25A3V1B9	50	220	Maximum ·50·Hz ·264·V Minimum ·50·Hz ·198·V	9.92	13	38	2.6	0.052	0.63	0.037	0.14
		50	230					2.5				
		50	240					2.4				
RXM25A5V1B9	FVXM25B2V1B	50	220	Maximum ·50·Hz ·264·V Minimum ·50·Hz ·198·V	9.92	13	38	2.7	0.052	0.63	0.037	0.14
		50	230					2.6				
		50	240					2.5				
RXM35A5V1B9	FVXM35A3V1B FVXM35A3V1B9	50	220	Maximum ·50·Hz ·264·V Minimum ·50·Hz ·198·V	9.92	13	58	3.9	0.052	0.63	0.037	0.14
		50	230					3.8				
		50	240					3.6				
RXM35A5V1B9	FVXM35B2V1B	50	220	Maximum ·50·Hz ·264·V Minimum ·50·Hz ·198·V	9.92	13	58	4.1	0.052	0.63	0.037	0.14
		50	230					3.9				
		50	240					3.7				

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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RXM25-35A9 / RXM20-42A / ARXM35A9 / ARXM25-35A

Unit combination restrictions		Power supply					Compressor		OFM		IFM	
Outdoor unit	Indoor unit	Hz	Voltage	Voltage range	MCA	MFA	RHz	RLA	kW	FLA	kW	FLA
RXM20A5V1B	FTXM20A2V1B	50	220	Maximum ·50·Hz ·264·V Minimum ·50·Hz ·198·V	9.19	10	30	2	0.05	0.63	0.02	0.22
		50	230					1.9				
		50	240					1.8				
RXM20A5V1B	FTXM20A5V1B	50	220	Maximum ·50·Hz ·264·V Minimum ·50·Hz ·198·V	9.19	10	30	2	0.05	0.63	0.02	0.22
		50	230					1.9				
		50	240					1.8				
RXM25A5V1B	FTXM25A2V1B	50	220	Maximum ·50·Hz ·264·V Minimum ·50·Hz ·198·V	10	13	38	2.5	0.05	0.63	0.02	0.22
		50	230					2.4				
		50	240					2.3				
RXM25A5V1B	FTXM25A5V1B	50	220	Maximum ·50·Hz ·264·V Minimum ·50·Hz ·198·V	10	13	38	2.5	0.05	0.63	0.02	0.22
		50	230					2.4				
		50	240					2.3				
RXM35A5V1B	FTXM35A2V1B	50	220	Maximum ·50·Hz ·264·V Minimum ·50·Hz ·198·V	10.1	13	57	3.6	0.05	0.63	0.03	0.31
		50	230					3.4				
		50	240					3.3				
RXM35A5V1B	FTXM35A5V1B	50	220	Maximum ·50·Hz ·264·V Minimum ·50·Hz ·198·V	10.1	13	57	3.6	0.05	0.63	0.03	0.31
		50	230					3.4				
		50	240					3.3				
RXM42A5V1B	FTXM42A2V1B	50	220	Maximum ·50·Hz ·264·V Minimum ·50·Hz ·198·V	11.5	13	46	4.7	0.05	0.63	0.04	0.36
		50	230					4.5				
		50	240					4.3				
RXM42A5V1B	FTXM42A5V1B	50	220	Maximum ·50·Hz ·264·V Minimum ·50·Hz ·198·V	11.5	13	46	4.7	0.05	0.63	0.04	0.36
		50	230					4.5				
		50	240					4.3				
ARXM25A5V1B	ATXM25A2V1B	50	220	Maximum ·50·Hz ·264·V Minimum ·50·Hz ·198·V	10	13	38	2.5	0.05	0.63	0.02	0.22
		50	230					2.4				
		50	240					2.3				
ARXM25A5V1B	ATXM25A5V1B	50	220	Maximum ·50·Hz ·264·V Minimum ·50·Hz ·198·V	10	13	38	2.5	0.05	0.63	0.02	0.22
		50	230					2.4				
		50	240					2.3				
ARXM35A5V1B	ATXM35A2V1B	50	220	Maximum ·50·Hz ·264·V Minimum ·50·Hz ·198·V	10.1	13	57	3.7	0.05	0.63	0.03	0.31
		50	230					3.5				
		50	240					3.4				
ARXM35A5V1B	ATXM35A5V1B	50	220	Maximum ·50·Hz ·264·V Minimum ·50·Hz ·198·V	10.1	13	57	3.7	0.05	0.63	0.03	0.31
		50	230					3.5				
		50	240					3.4				
RXM25A5V1B9	FTXM25A2V1B	50	220	Maximum ·50·Hz ·264·V Minimum ·50·Hz ·198·V	10	13	38	2.5	0.05	0.63	0.02	0.22
		50	230					2.4				
		50	240					2.3				
RXM25A5V1B9	FTXM25A5V1B	50	220	Maximum ·50·Hz ·264·V Minimum ·50·Hz ·198·V	10	13	38	2.5	0.05	0.63	0.02	0.22
		50	230					2.4				
		50	240					2.3				
RXM35A5V1B9	FTXM35A2V1B	50	220	Maximum ·50·Hz ·264·V Minimum ·50·Hz ·198·V	10.1	13	57	3.6	0.05	0.63	0.03	0.31
		50	230					3.4				
		50	240					3.3				
RXM35A5V1B9	FTXM35A5V1B	50	220	Maximum ·50·Hz ·264·V Minimum ·50·Hz ·198·V	10.1	13	57	3.6	0.05	0.63	0.03	0.31
		50	230					3.4				
		50	240					3.3				
ARXM35A5V1B9	ATXM35A2V1B	50	220	Maximum ·50·Hz ·264·V Minimum ·50·Hz ·198·V	10.1	13	57	3.7	0.05	0.63	0.03	0.31
		50	230					3.5				
		50	240					3.4				
ARXM35A5V1B9	ATXM35A5V1B	50	220	Maximum ·50·Hz ·264·V Minimum ·50·Hz ·198·V	10.1	13	57	3.7	0.05	0.63	0.03	0.31
		50	230					3.5				
		50	240					3.4				

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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RXM50A9 / RXM60-71A / ARXM50A9 / ARXM60-71A

Unit combination restrictions		Power supply					Compressor		OFM		IFM	
Outdoor unit	Indoor unit	Hz	Voltage	Voltage range	MCA	MFA	RHz	RLA	kW	FLA	kW	FLA
RXM50A5V1B9	FTXM50A2V1B	50	220	Maximum ·50·Hz ·264·V Minimum ·50·Hz ·198·V	14.78	16	64	6.5	0.066	0.83	0.040	0.36
		50	230					6.2				
		50	240					5.9				
RXM50A5V1B9	FTXM50A5V1B	50	220	Maximum ·50·Hz ·264·V Minimum ·50·Hz ·198·V	14.78	16	64	6.5	0.066	0.83	0.040	0.36
		50	230					6.2				
		50	240					5.9				
RXM50A5V1B9	FVXM50A3V1B	50	220	Maximum ·50·Hz ·264·V Minimum ·50·Hz ·198·V	14.54	16	58	5.3	0.066	0.83	0.037	0.14
		50	230					5.1				
		50	240					4.9				
RXM50A5V1B9	FVXM50A3V1B9	50	220	Maximum ·50·Hz ·264·V Minimum ·50·Hz ·198·V	14.54	16	58	5.3	0.066	0.83	0.037	0.14
		50	230					5.1				
		50	240					4.9				
RXM50A5V1B9	FCAG50BVEB	50	220	Maximum ·50·Hz ·264·V Minimum ·50·Hz ·198·V	14.71	16	58	5.2	0.066	0.83	0.048	0.30
		50	230					5.0				
		50	240					4.8				
RXM50A5V1B9	FBA50A2VEB9	50	220	Maximum ·50·Hz ·264·V Minimum ·50·Hz ·198·V	15.92	16	55	5.2	0.066	0.83	0.089	1.40
		50	230					5.0				
		50	240					4.8				
RXM50A5V1B9	FHA50AVEB98	50	220	Maximum ·50·Hz ·264·V Minimum ·50·Hz ·198·V	15.04	16	64	5.5	0.066	0.83	0.090	0.60
		50	230					5.3				
		50	240					5.2				
RXM50A5V1B9	FFA50A2VEB9	50	220	Maximum ·50·Hz ·264·V Minimum ·50·Hz ·198·V	14.82	16	62	5.6	0.066	0.83	0.050	0.40
		50	230					5.4				
		50	240					5.3				
RXM50A5V1B9	FDXM50F3V1B9	50	220	Maximum ·50·Hz ·264·V Minimum ·50·Hz ·198·V	15.37	16	55	4.9	0.066	0.83	0.060	0.90
		50	230					4.7				
		50	240					4.5				
RXM50A5V1B9	FNA50A2VEB9	50	220	Maximum ·50·Hz ·264·V Minimum ·50·Hz ·198·V	14.93	16	55	4.9	0.066	0.83	0.060	0.50
		50	230					4.7				
		50	240					4.5				
ARXM50A5V1B9	ATXM50A2V1B	50	220	Maximum ·50·Hz ·264·V Minimum ·50·Hz ·198·V	14.78	16	64	6.7	0.066	0.83	0.040	0.36
		50	230					6.4				
		50	240					6.1				
ARXM50A5V1B9	ATXM50A5V1B	50	220	Maximum ·50·Hz ·264·V Minimum ·50·Hz ·198·V	14.78	16	64	6.7	0.066	0.83	0.040	0.36
		50	230					6.4				
		50	240					6.1				
ARXM50A5V1B9	ADEA50A2VEB	50	220	Maximum ·50·Hz ·264·V Minimum ·50·Hz ·198·V	15.92	16	55	5.2	0.066	0.83	0.089	0.40
		50	230					5.0				
		50	240					4.8				
ARXM60A5V1B	ADEA60A2VEB	50	220	Maximum ·50·Hz ·264·V Minimum ·50·Hz ·198·V	15.92	16	66	6.2	0.066	0.83	0.070	1.30
		50	230					6.0				
		50	240					5.7				
ARXM71A5V1B	ADEA71A2VEB	50	220	Maximum ·50·Hz ·264·V Minimum ·50·Hz ·198·V	15.92	16	81	8.2	0.066	0.83	0.070	1.30
		50	230					7.8				
		50	240					7.5				
ARXM71A5V1B	FCAG71BVEB	50	220	Maximum ·50·Hz ·264·V Minimum ·50·Hz ·198·V	15.37	16	81	8.1	0.066	0.83	0.054	0.40
		50	230					7.7				
		50	240					7.4				
ARXM71A5V1B	FBA71A2VEB9	50	220	Maximum ·50·Hz ·264·V Minimum ·50·Hz ·198·V	15.92	16	81	8.2	0.066	0.83	0.070	1.30
		50	230					7.8				
		50	240					4.5				
ARXM71A5V1B	FAA71BUV1B	50	220	Maximum ·50·Hz ·264·V Minimum ·50·Hz ·198·V	15.37	16	83	8.3	0.066	0.83	0.048	0.40
		50	230					7.9				
		50	240					7.6				
RXM60A5V1B	FTXM60R2V1B	50	220	Maximum ·50·Hz ·264·V Minimum ·50·Hz ·198·V	15.59	16	70	6.6	0.066	0.83	0.046	0.60
		50	230					6.3				
		50	240					6.0				
RXM60A5V1B	FTXM60A2V1B	50	220	Maximum ·50·Hz ·264·V Minimum ·50·Hz ·198·V	15.59	16	70	6.6	0.066	0.83	0.046	0.60
		50	230					6.3				
		50	240					6.0				
RXM60A5V1B	FCAG60BVEB	50	220	Maximum ·50·Hz ·264·V Minimum ·50·Hz ·198·V	15.26	16	71	6.5	0.066	0.83	0.048	0.30
		50	230					6.3				
		50	240					6.2				
RXM60A5V1B	FBA60A2VEB9	50	220	Maximum ·50·Hz ·264·V Minimum ·50·Hz ·198·V	15.92	16	66	6.1	0.066	0.83	0.070	1.30
		50	230					6.0				
		50	240					5.8				
RXM60A5V1B	FHA60AVEB98	50	220	Maximum ·50·Hz ·264·V Minimum ·50·Hz ·198·V	15.59	16	62	5.5	0.066	0.83	0.091	0.60
		50	230					5.3				
		50	240					5.1				
RXM60A5V1B	FFA60A2VEB9	50	220	Maximum ·50·Hz ·264·V Minimum ·50·Hz ·198·V	15.59	16	70	6.5	0.066	0.83	0.050	0.60
		50	230					6.3				
		50	240					6.2				
RXM60A5V1B	FDXM60F3V1B9	50	220	Maximum ·50·Hz ·264·V Minimum ·50·Hz ·198·V	15.92	16	73	6.7	0.066	0.83	0.060	0.90
		50	230					6.5				
		50	240					6.4				
RXM60A5V1B	FNA60A2VEB9	50	220	Maximum ·50·Hz ·264·V Minimum ·50·Hz ·198·V	15.59	16	73	6.7	0.066	0.83	0.060	0.60
		50	230					6.5				
		50	240					6.4				
RXM71A5V1B	FTXM71R2V1B	50	220	Maximum ·50·Hz ·264·V Minimum ·50·Hz ·198·V	19.91	20	54	9.4	0.090	1.00	0.052	0.60
		50	230					8.9				
		50	240					8.6				
RXM71A5V1B	FTXM71A2V1B	50	220	Maximum ·50·Hz ·264·V Minimum ·50·Hz ·198·V	19.91	20	54	9.4	0.090	1.00	0.052	0.60
		50	230					8.9				
		50	240					8.6				
RXM50A5V1B9	FVXM50B2V1B	50	220	Maximum ·50·Hz ·264·V Minimum ·50·Hz ·198·V	14.54	16	58	5.3	0.066	0.83	0.037	0.14
		50	230					5.1				
		50	240					4.9				
ARXM71A5V1B	FHA71AVEB9	50	220	Maximum ·50·Hz ·264·V Minimum ·50·Hz ·198·V	15.81	16	83	8.3	0.066	0.83	0.110	0.80
		50	230					7.9				
		50	240					7.6				
ARXM71A5V1B	FHA71AVEB99	50	220	Maximum ·50·Hz ·264·V Minimum ·50·Hz ·198·V	15.81	16	83	8.3	0.066	0.83	0.110	0.80
		50	230					7.9				
		50	240					7.6				
ARXM71A5V1B	FHA71AVEB98	50	220	Maximum ·50·Hz ·264·V Minimum ·50·Hz ·198·V	15.81	16	83	8.3	0.066	0.83	0.110	0.80
		50	230					7.9				
		50	240					7.6				

Symbols

MCA	Minimum Circuit Ampere	[A]
MFA	Maximum Fuse Ampere	[A]
RHz	Rated operating frequency	[Hz]
RLA	Rated load amps	[A]
OFM	Outdoor fan motor	
IFM	Indoor fan motor	
kW	Fan motor rated output	[kW]
FLA	Full Load Ampere	[A]
MAX.	Maximum	
MIN.	Minimum	

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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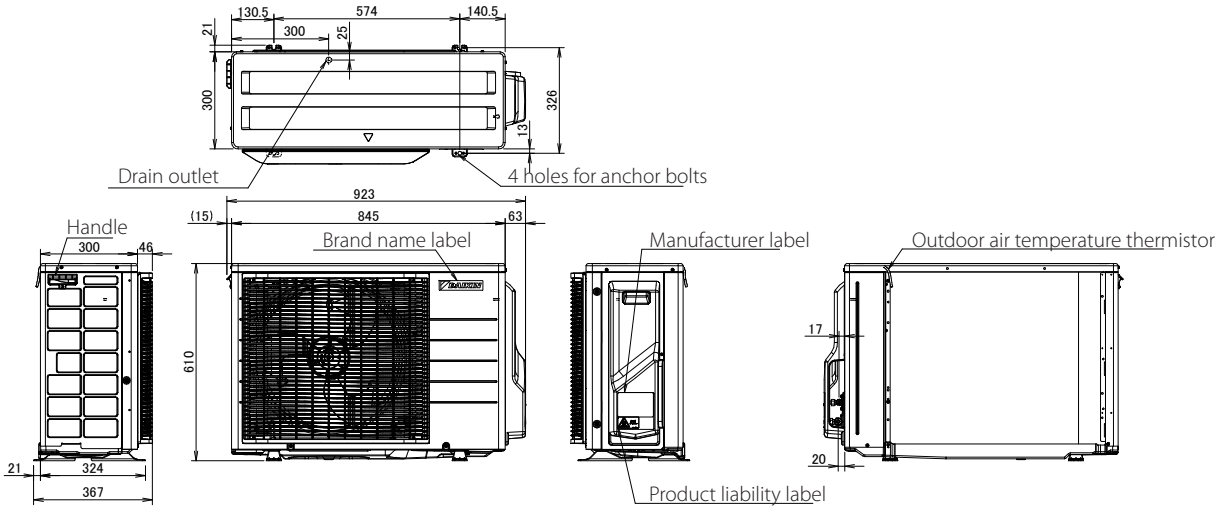
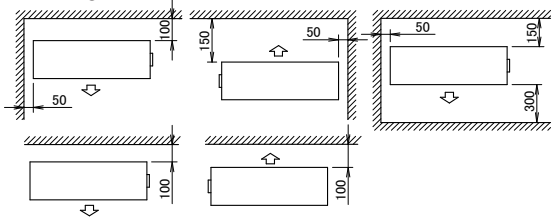
RXM25-35A9 / RXM20-42A / ARXM35A9 / ARXM25-35A

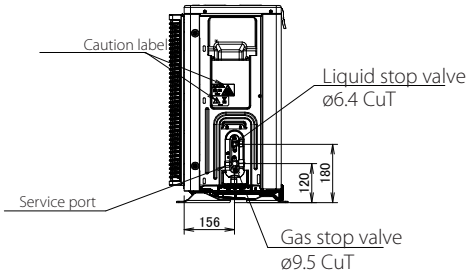


Minimum space for air passage

Wall height on air outlet side < 1,200 mm



In case of removing the stop valve cover.



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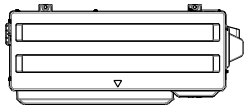
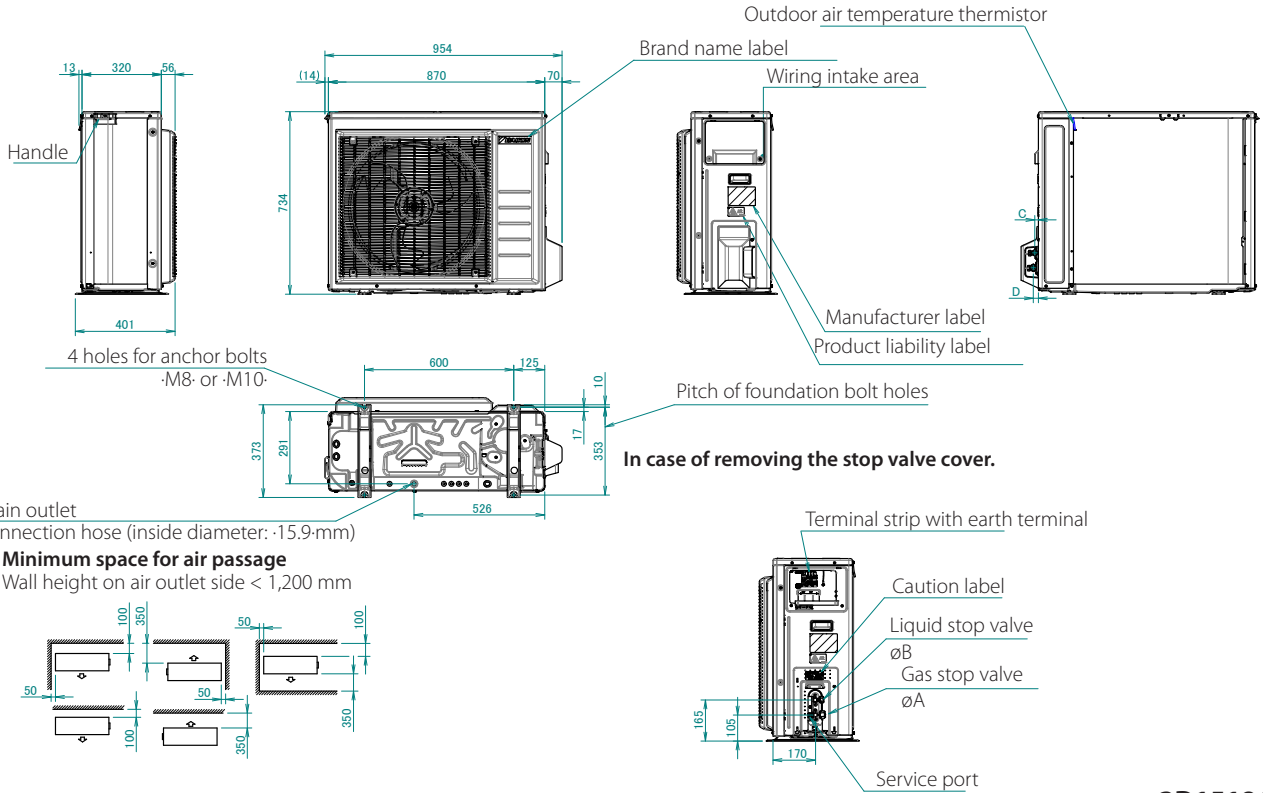
RXM50A9 / RXM60-71A / ARXM50A9 / ARXM60-70A

Model	øA	øB	C	D
RXM50A5V1B9	12.7	6.4	19	20
RXM60A5V1B	12.7	6.4	19	20
RXM71A5V1B	15.9	6.4	19	22
ARXM50A5V1B9	12.7	6.4	19	20
ARXM60A5V1B	12.7	6.4	19	20
ARXM71A5V1B	15.9	9.5	18	22





In case of removing the stop valve cover.

Minimum space for air passage

Wall height on air outlet side < 1,200 mm

3D151868

Technical drawings
Biddle air curtains

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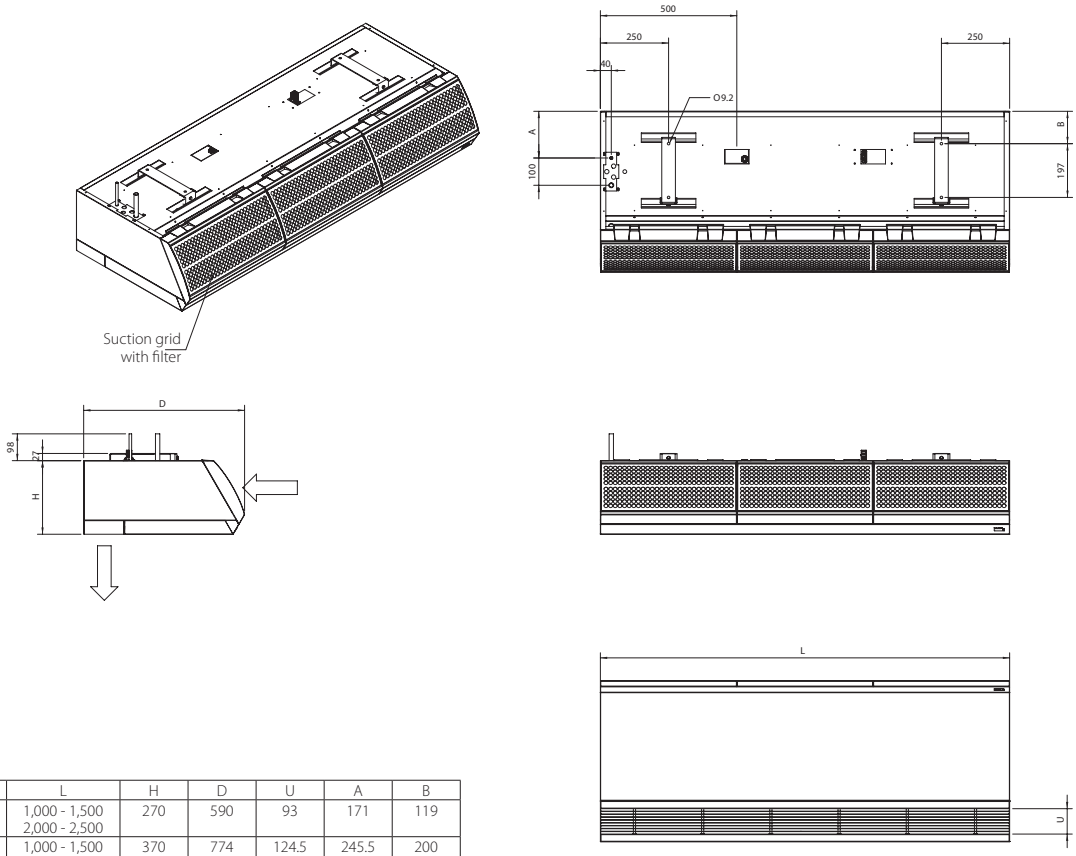
CYA-DK-F



Type	L	H	D	U	A	B
Small Medium	1,000 - 1,500 2,000 - 2,500	270	590	93	171	119
Large	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.

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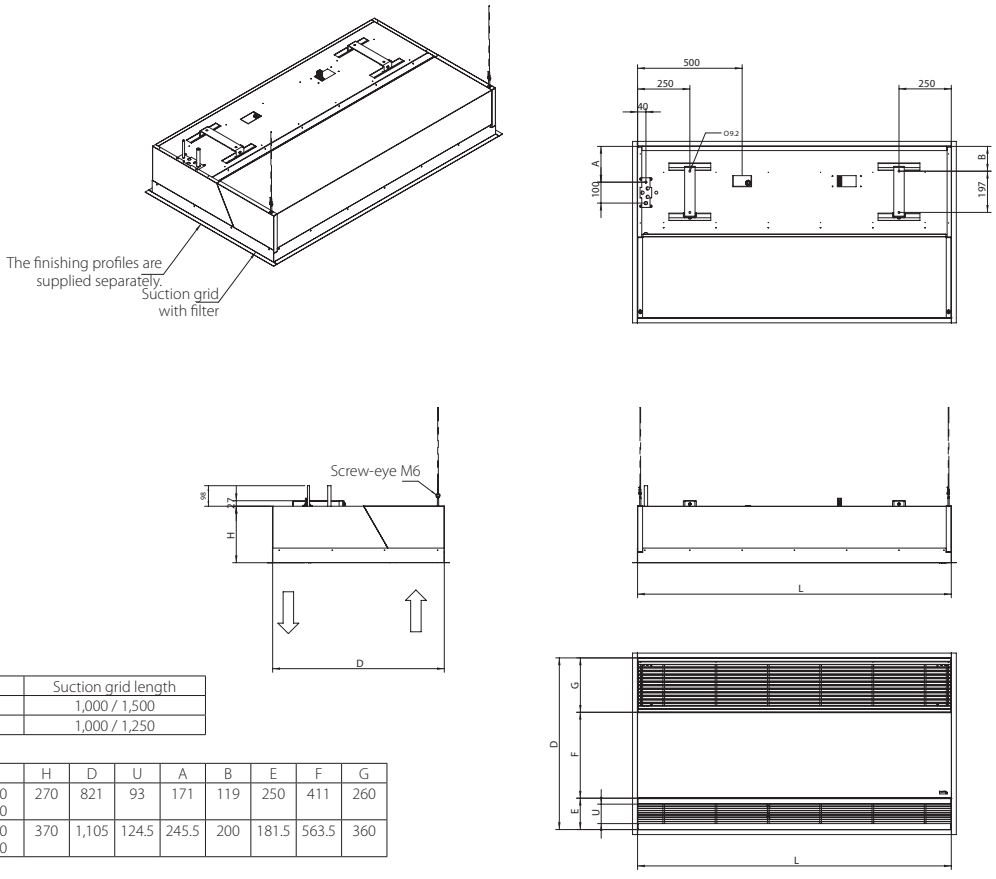
CYA-DK-C



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
Small Medium	1,000 - 1,500 2,000 - 2,500	270	821	93	171	119	250	411	260
Large	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

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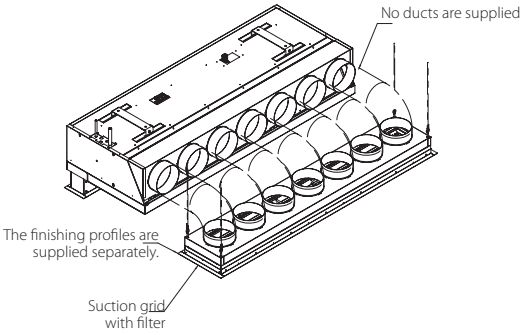
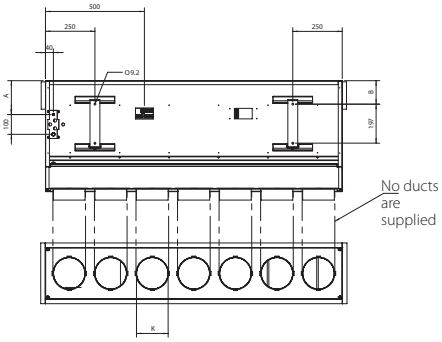
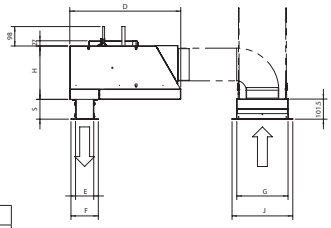
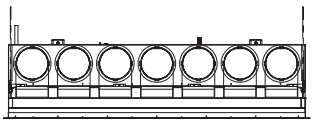
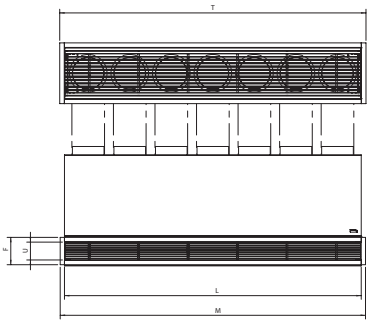
CYA-DK-R











Number of ducts per device

Type	1,000	1,500	2,000	2,500
Small Medium	5	7	10	12
Large	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
CYVS-DK-RBN/RSN CYVM-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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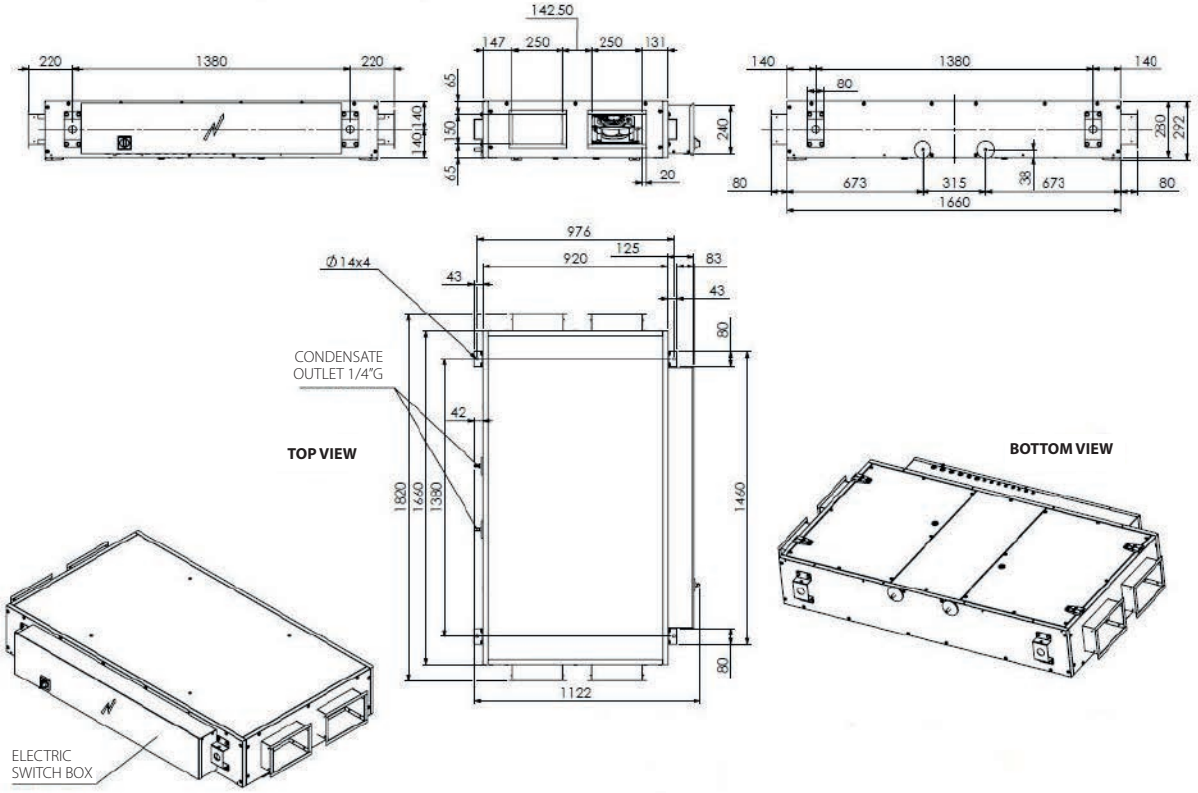
ALB02RBS/LBS



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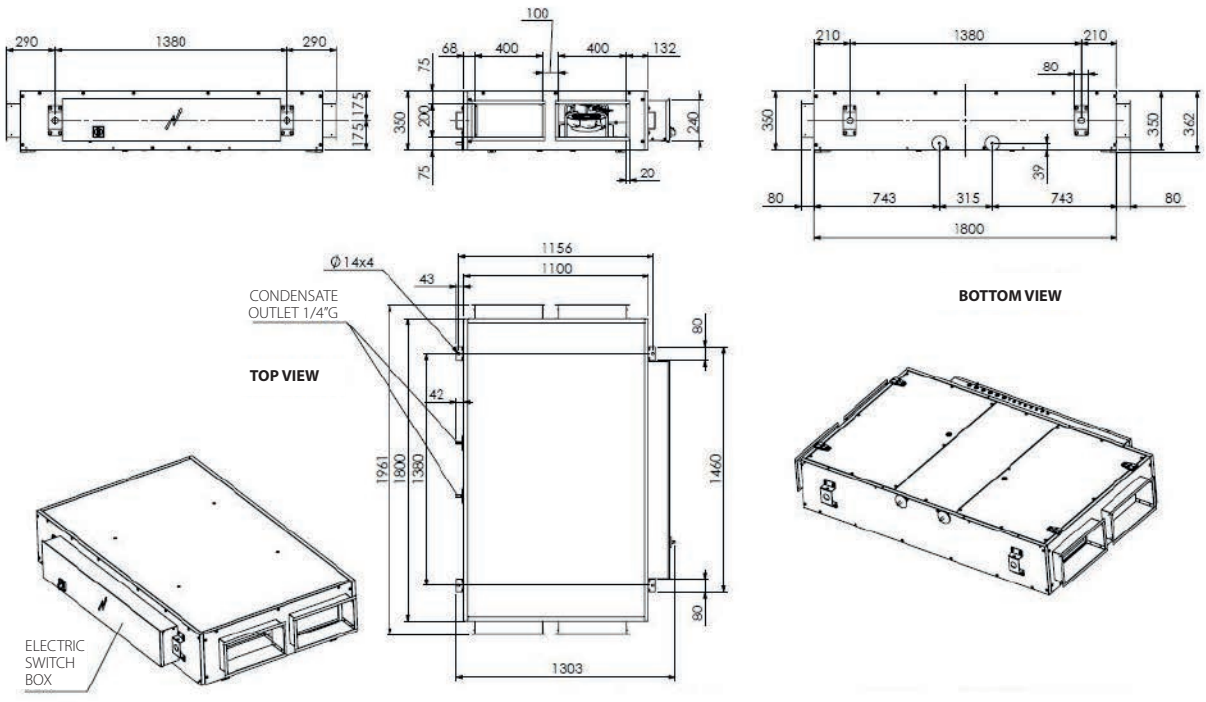

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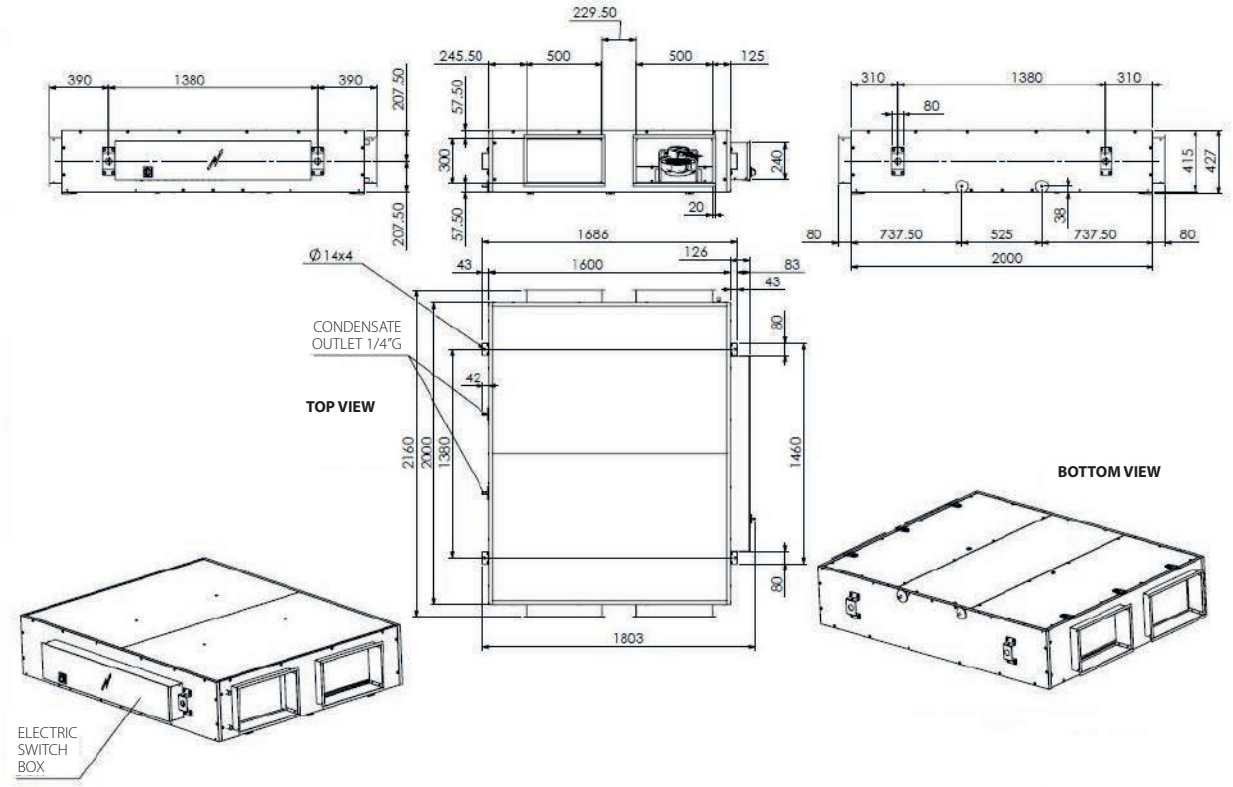

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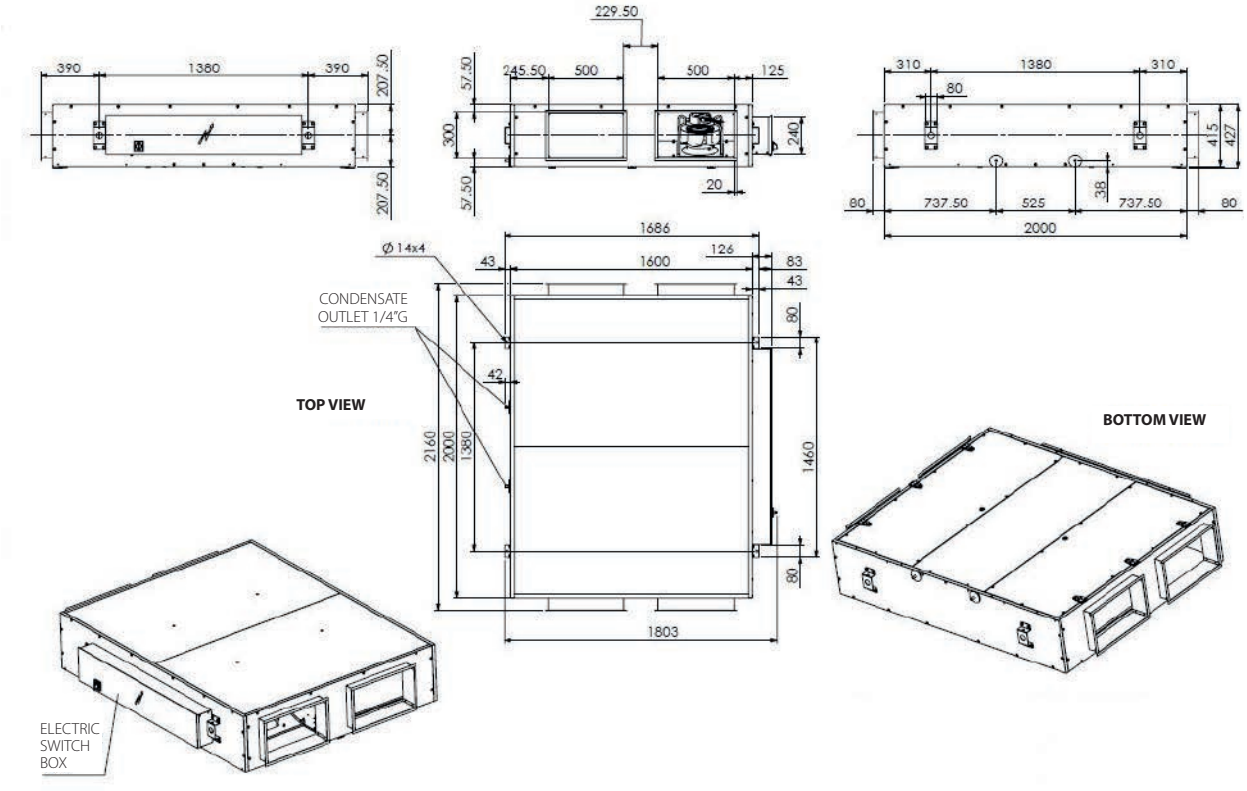

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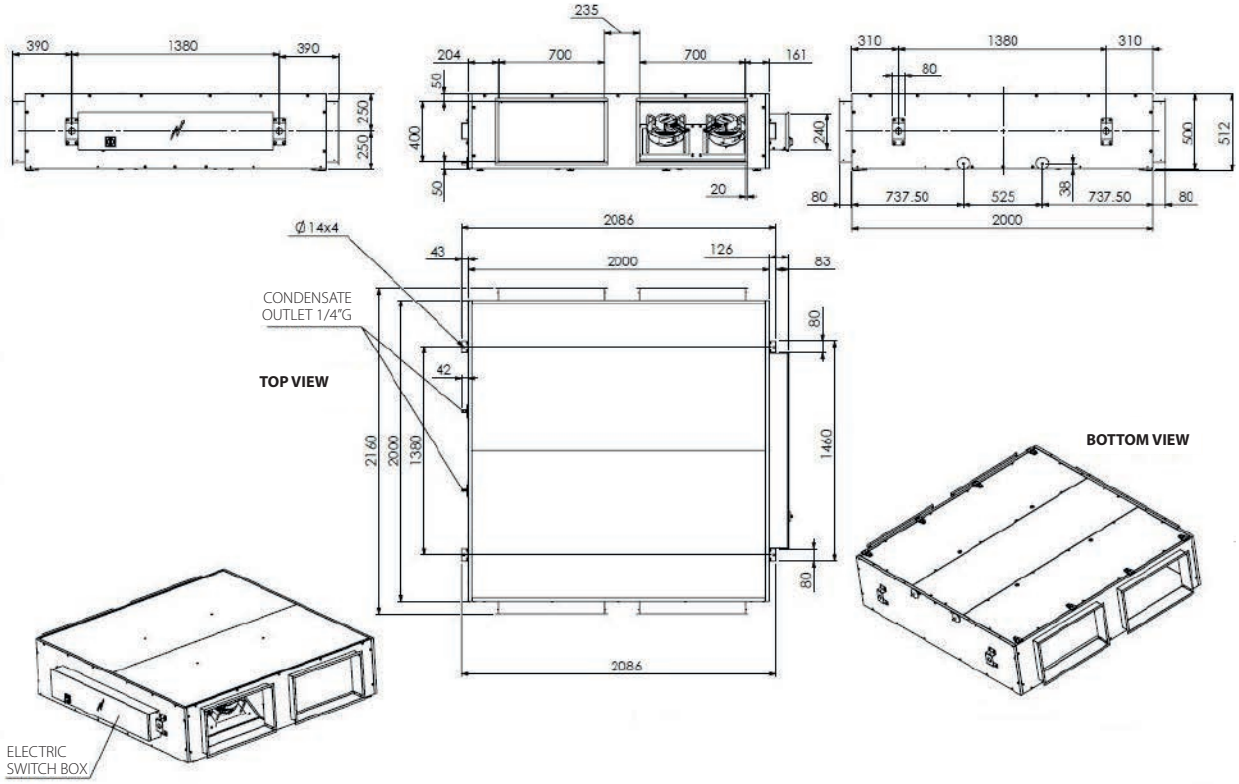
ALB06RBS/LBS



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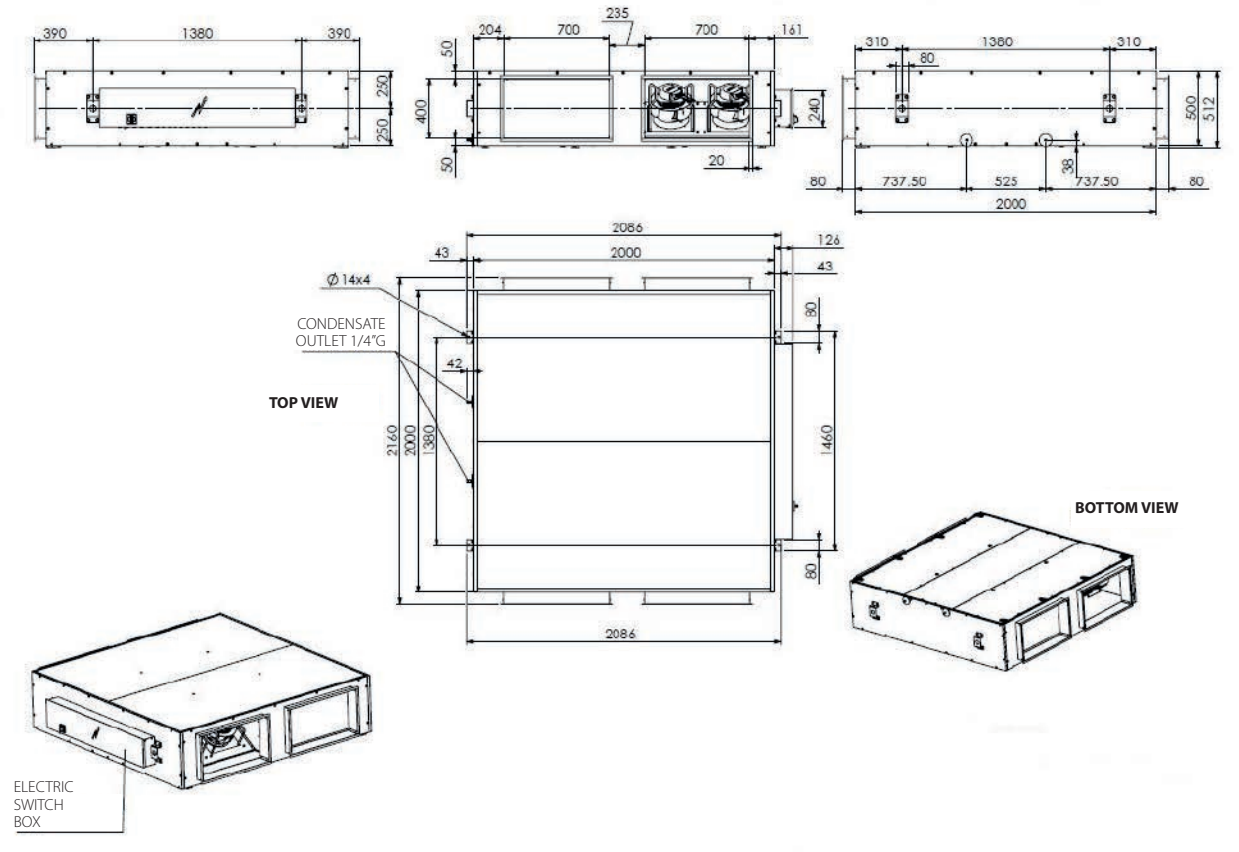

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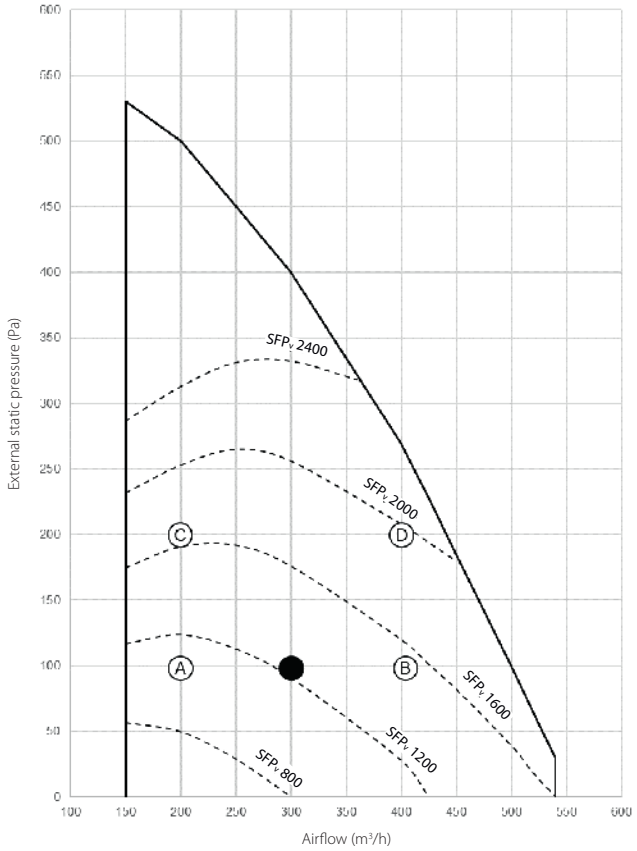
ALB02RBS/LBS



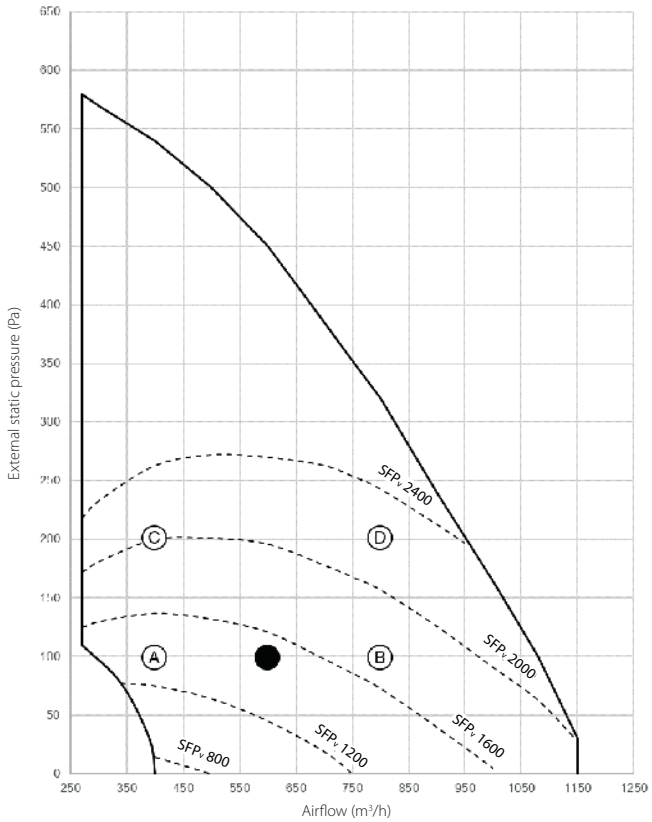
The diagram shows the available external pressure for the duct system given an airflow.

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



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● Nominal working point

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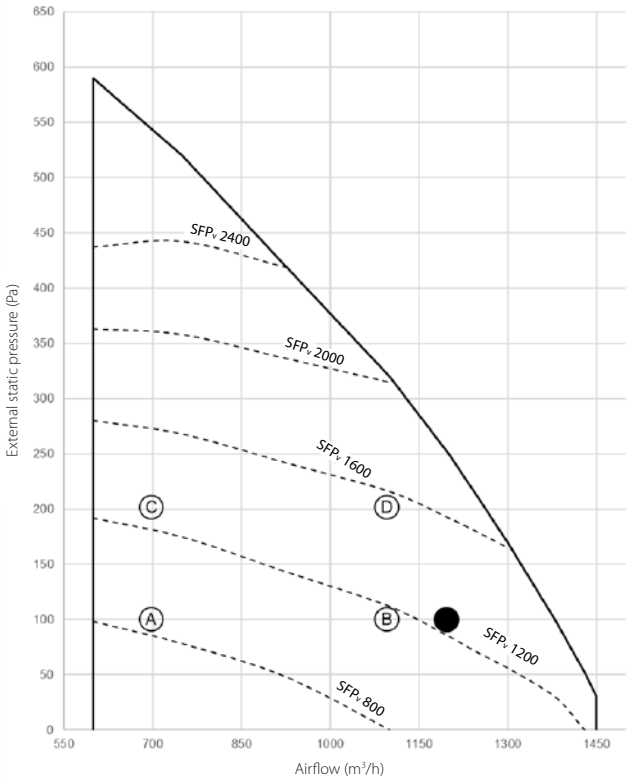
ALB04RBS/LBS



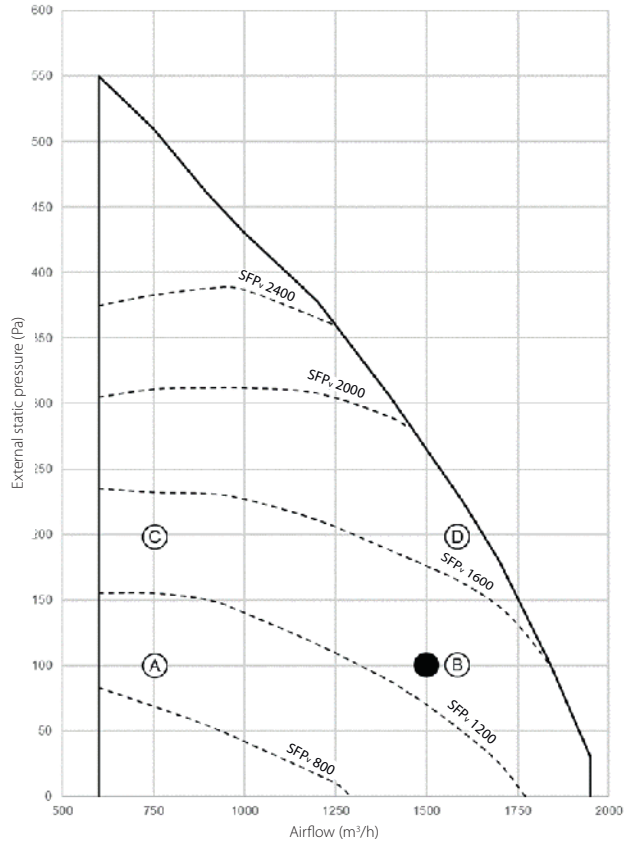
The diagram shows the available external pressure for the duct system given an airflow.

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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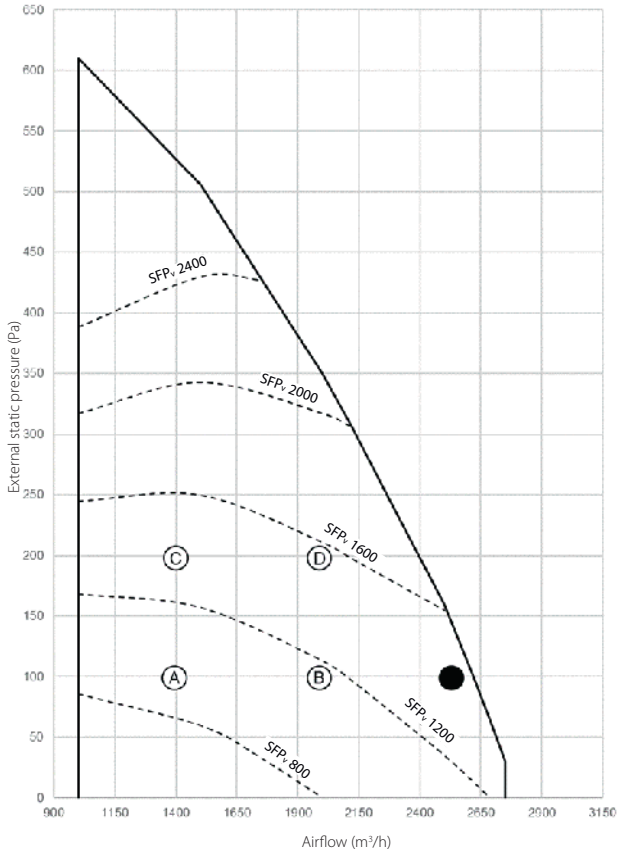
ALB06RBS/LBS



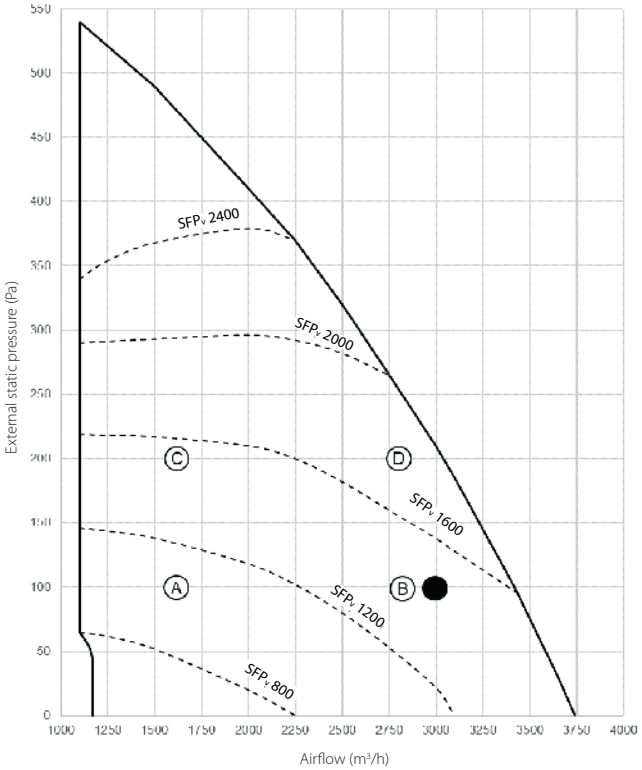
The diagram shows the available external pressure for the duct system given an airflow.

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

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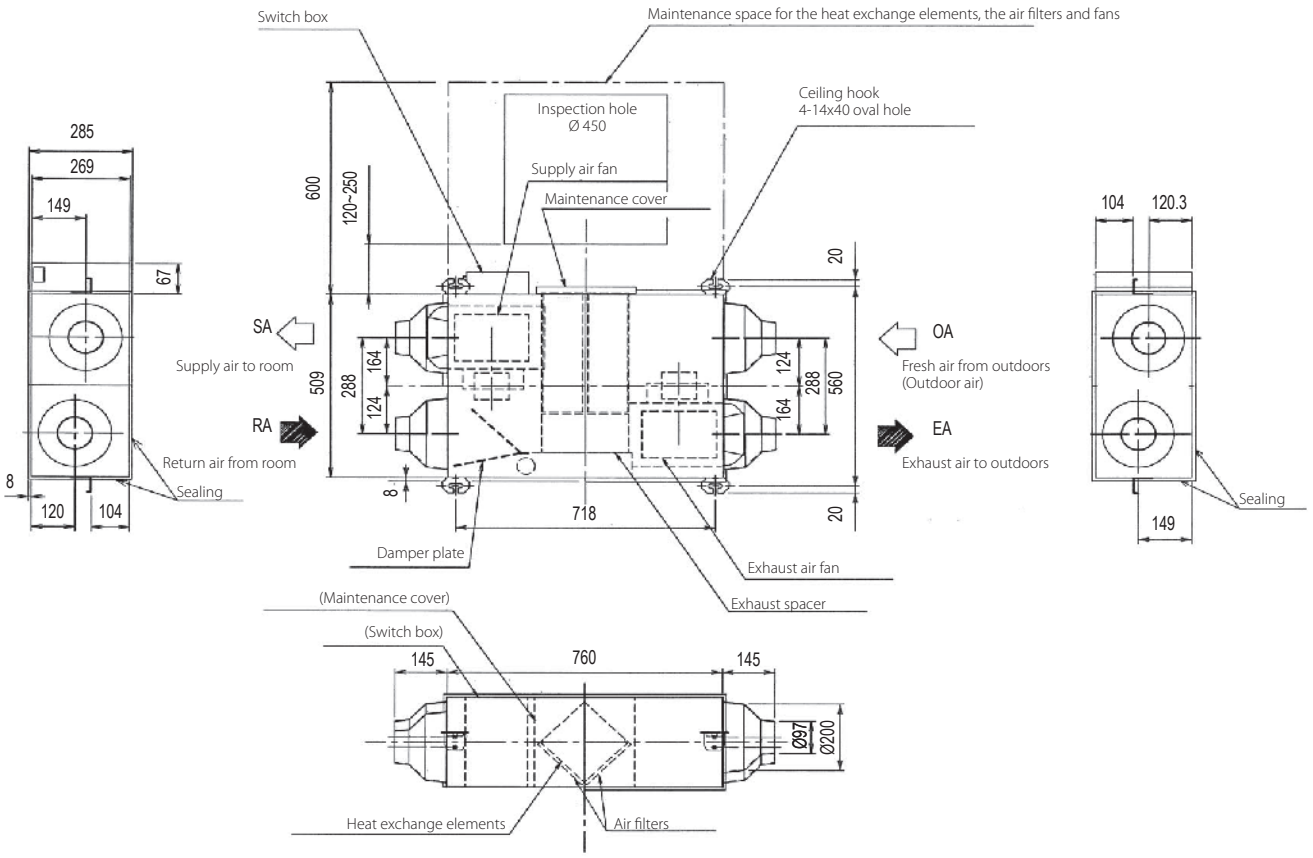
VAM150FC9

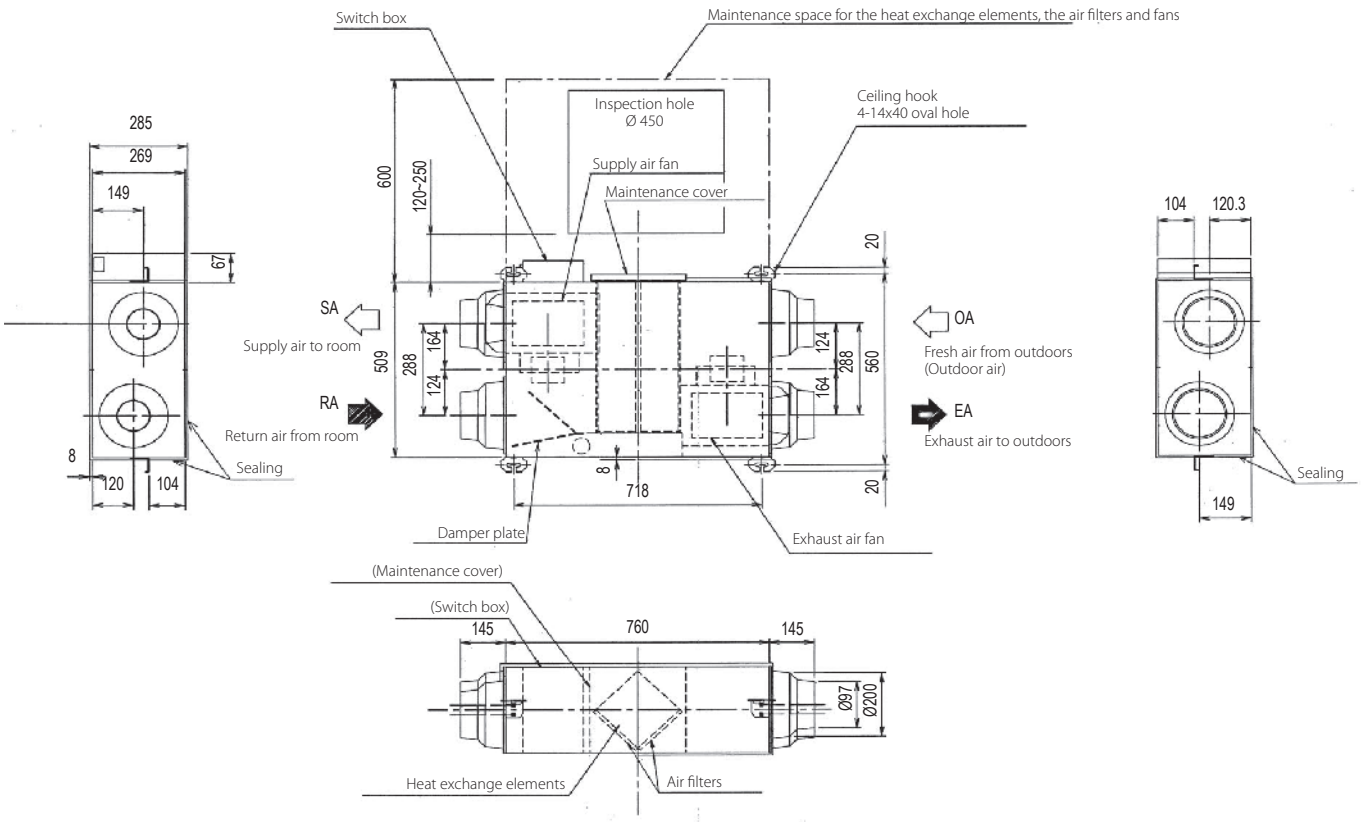


NOTES

1. Be sure to provide the inspection hole (450x450 mm) to inspect the air filters, the exchange elements and fans.

3TW27874-1

VAM250FC9

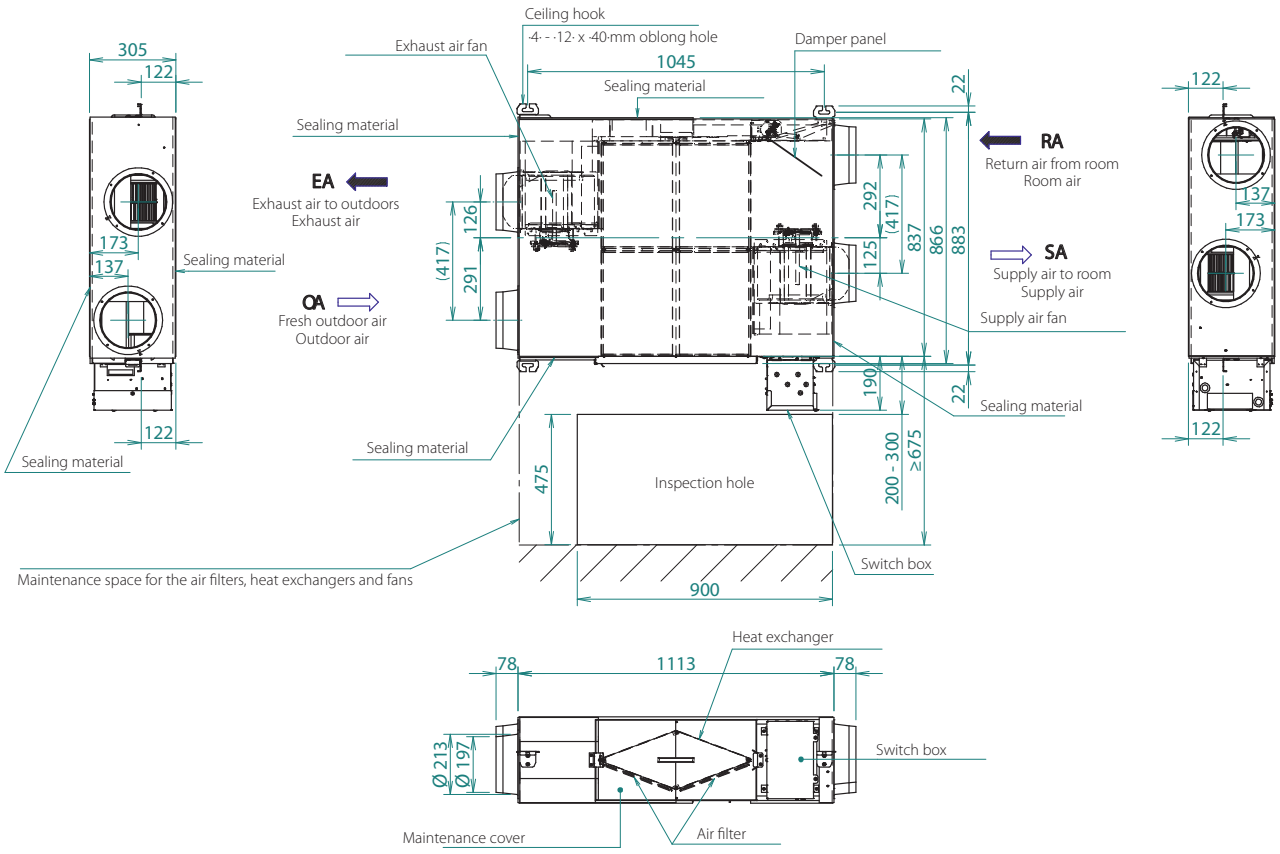


NOTES

1. Be sure to provide the inspection hole (450x450 mm) to inspect the air filters, the exchange elements and fans.

3TW27884-1

VAM350-500J

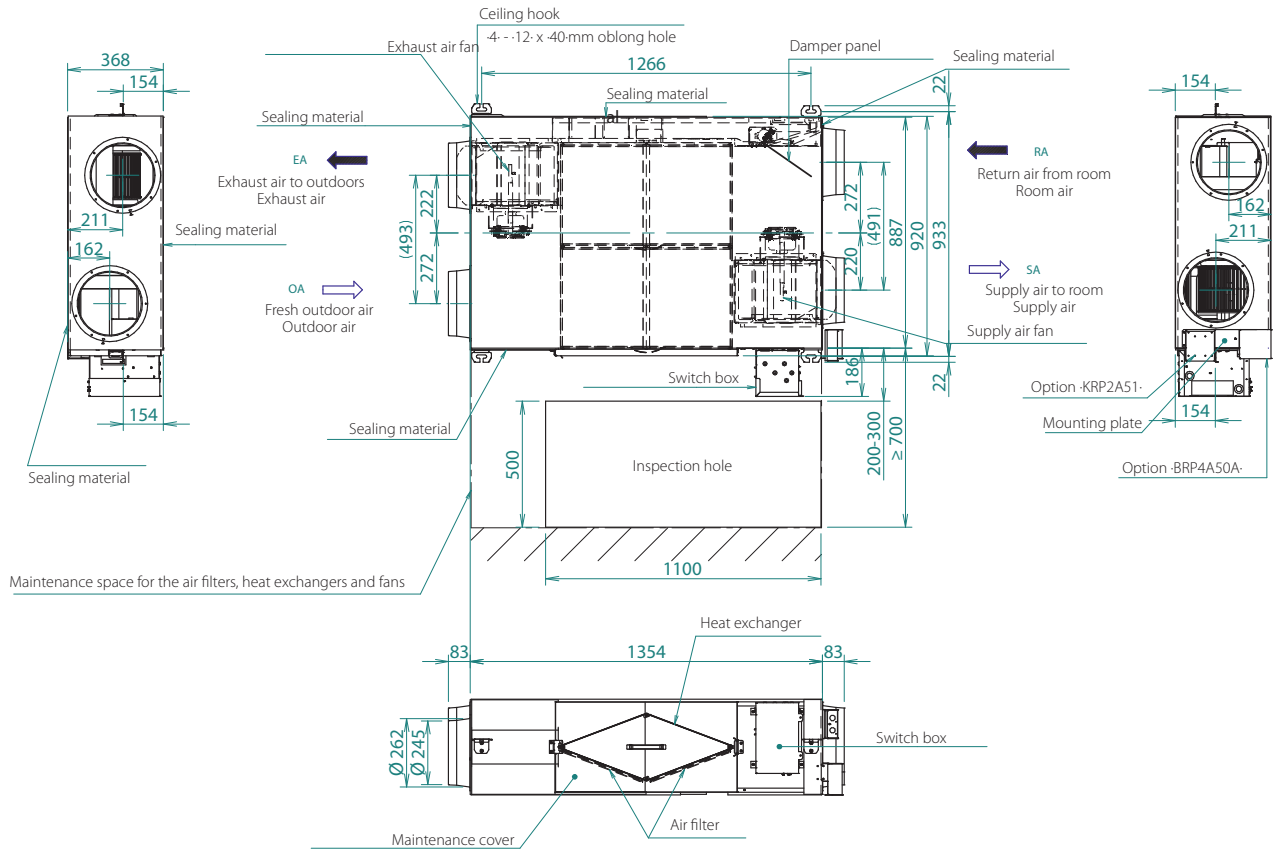


NOTES

1. To allow for the inspection of the air filters, heat exchangers, and fans, be sure to provide the inspection hole.

3D112815C

VAM650J



NOTES

1. To allow for the inspection of the air filters, heat exchangers, and fans, be sure to provide the inspection hole.

3D113502A

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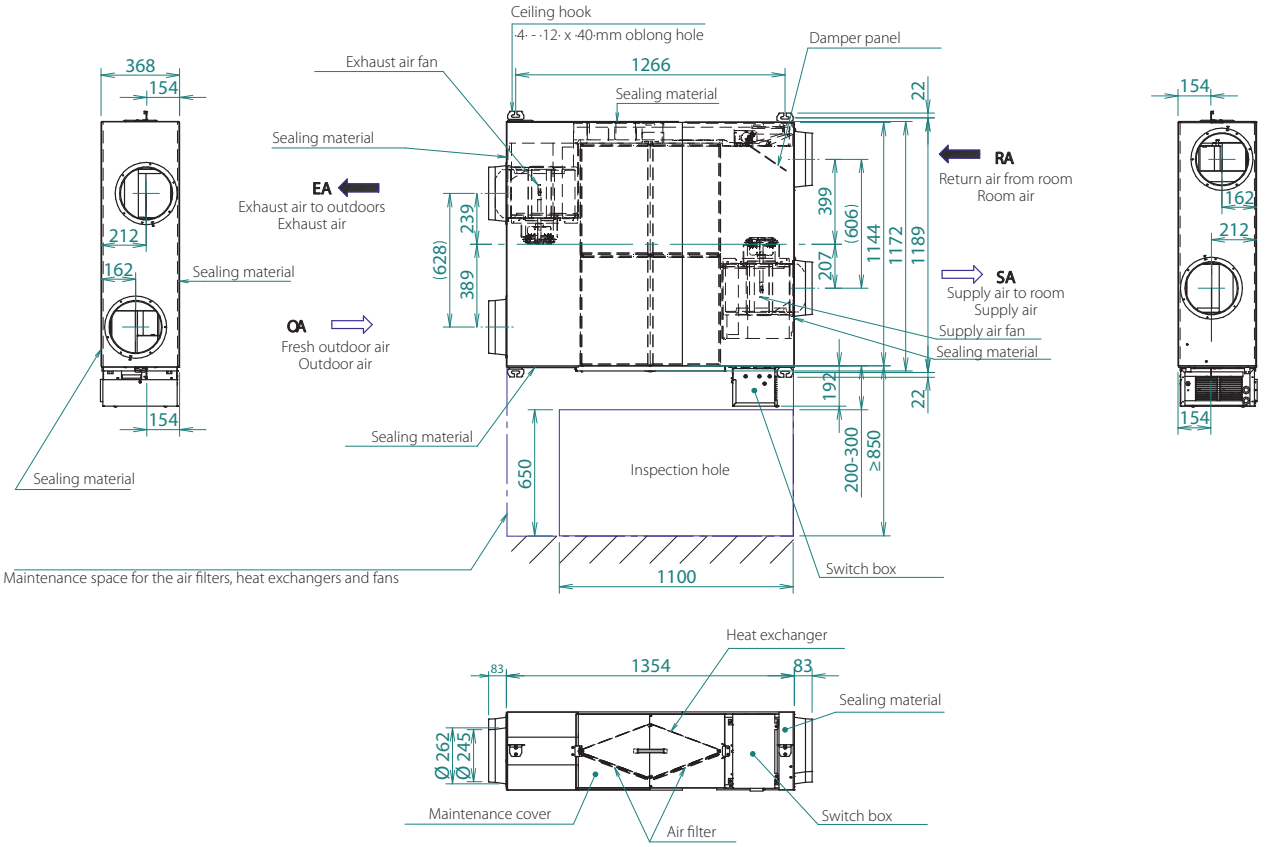
VAM800-1000J

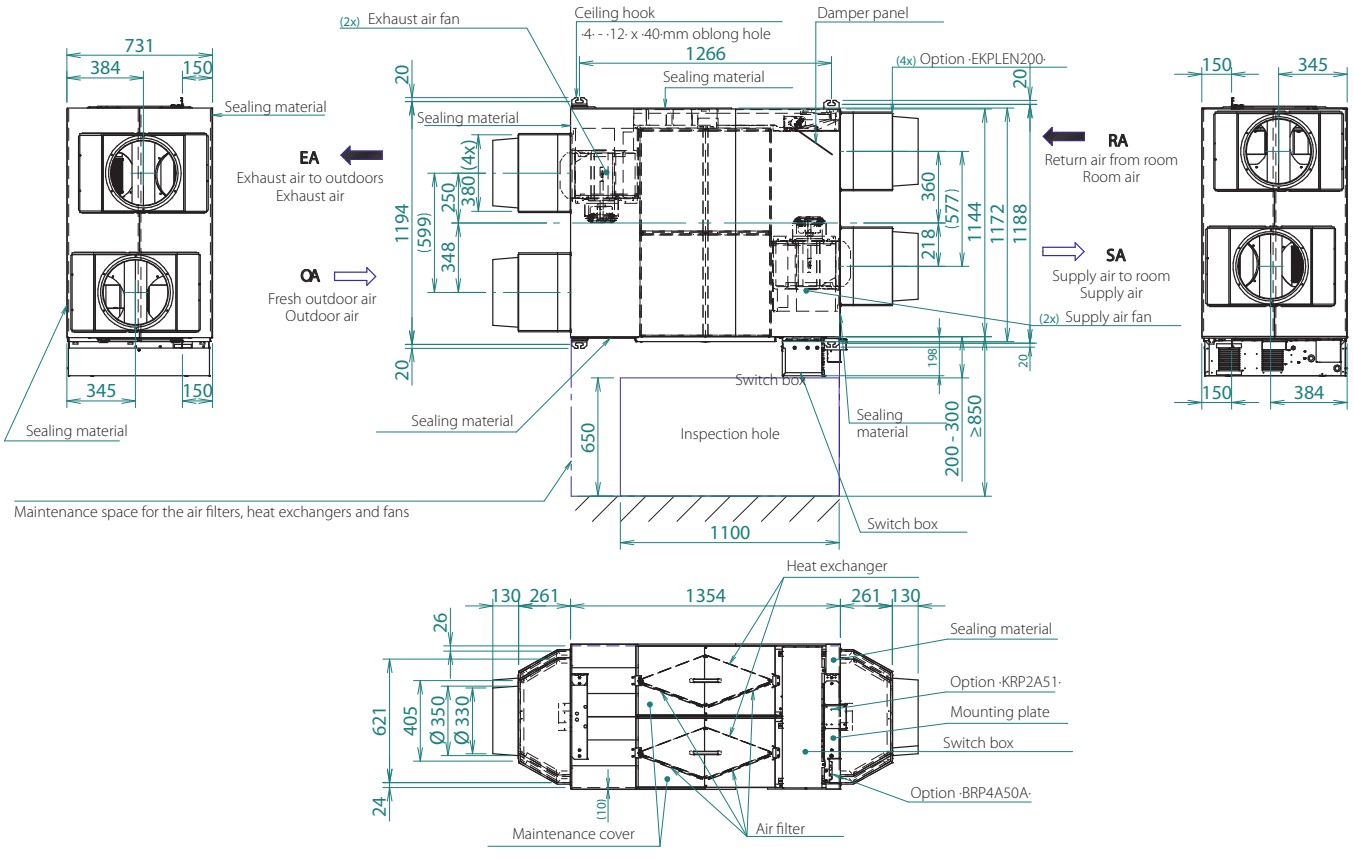


NOTES

1. To perform maintenance on the air filter, it is required to provide a service access panel.

3D112817D

VAM1500-2000J



NOTES

1. To allow for the inspection of the air filters, heat exchangers, and fans, be sure to provide the inspection hole.

3D112818C

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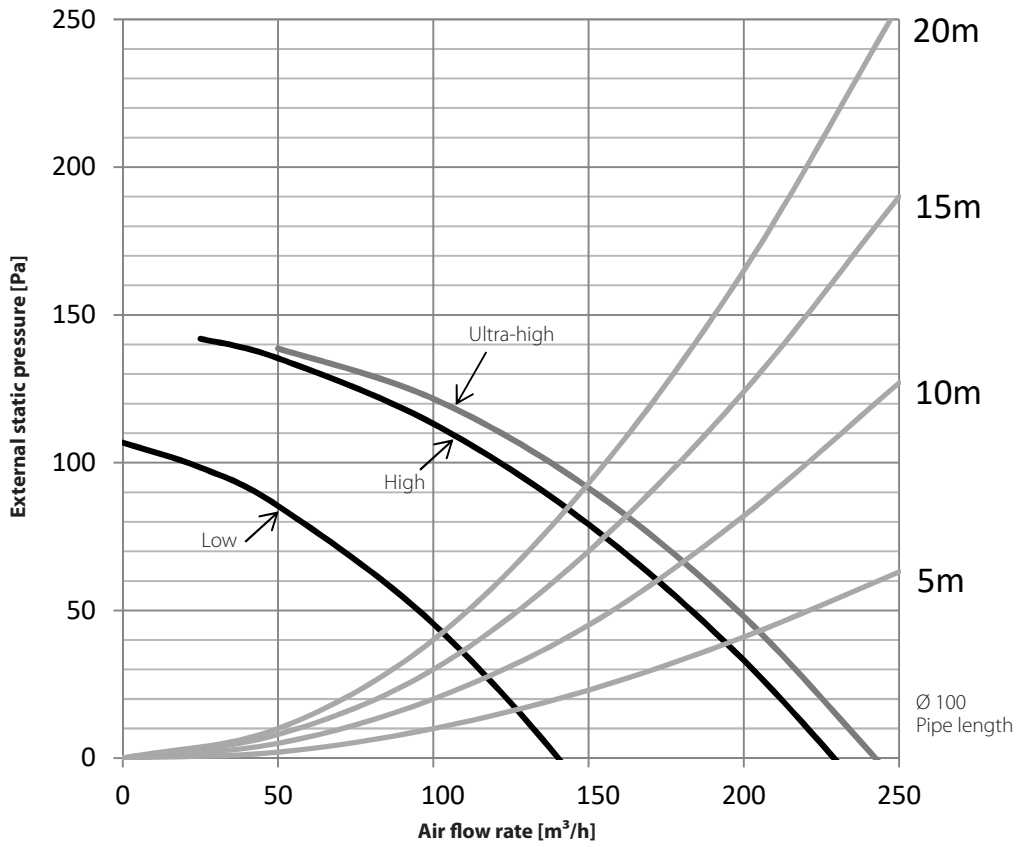
VAM150FC9

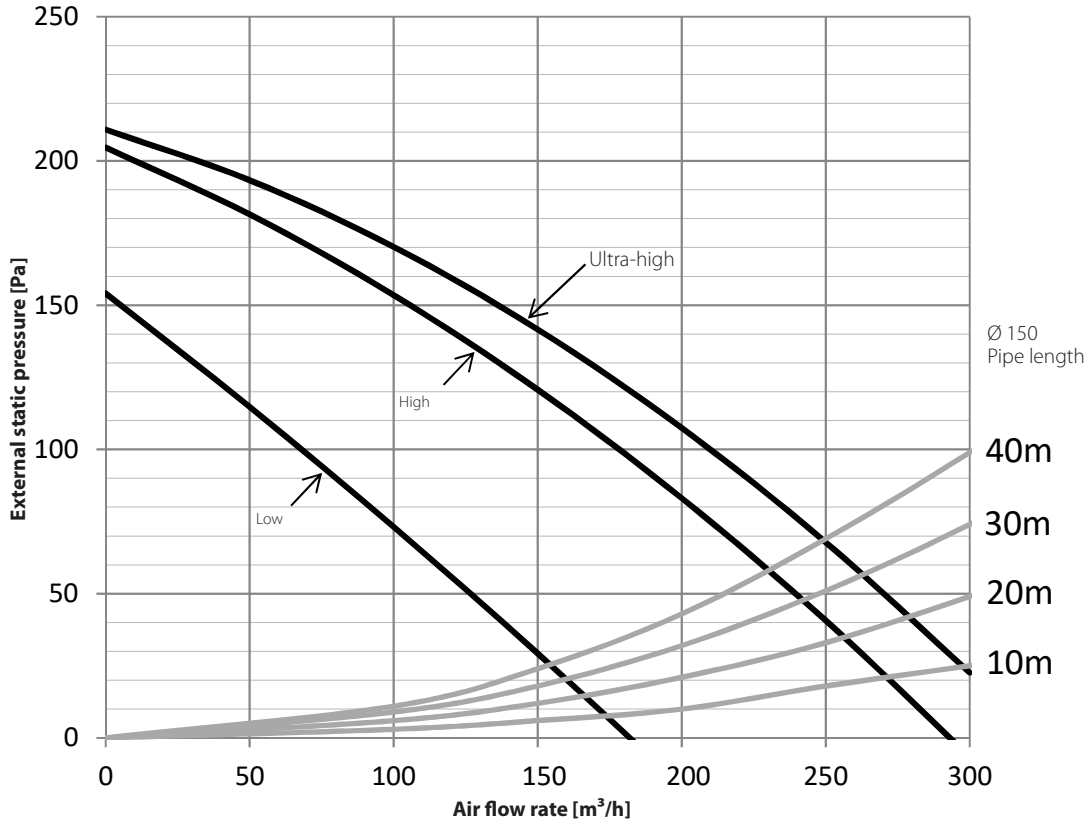


NOTES

1. The fan speeds are valid for ·230·V, ·50·Hz power supply.

4D100379A

VAM250FC



NOTES

1. The fan speeds are valid for ·230·V, ·50·Hz power supply.

4D100380A

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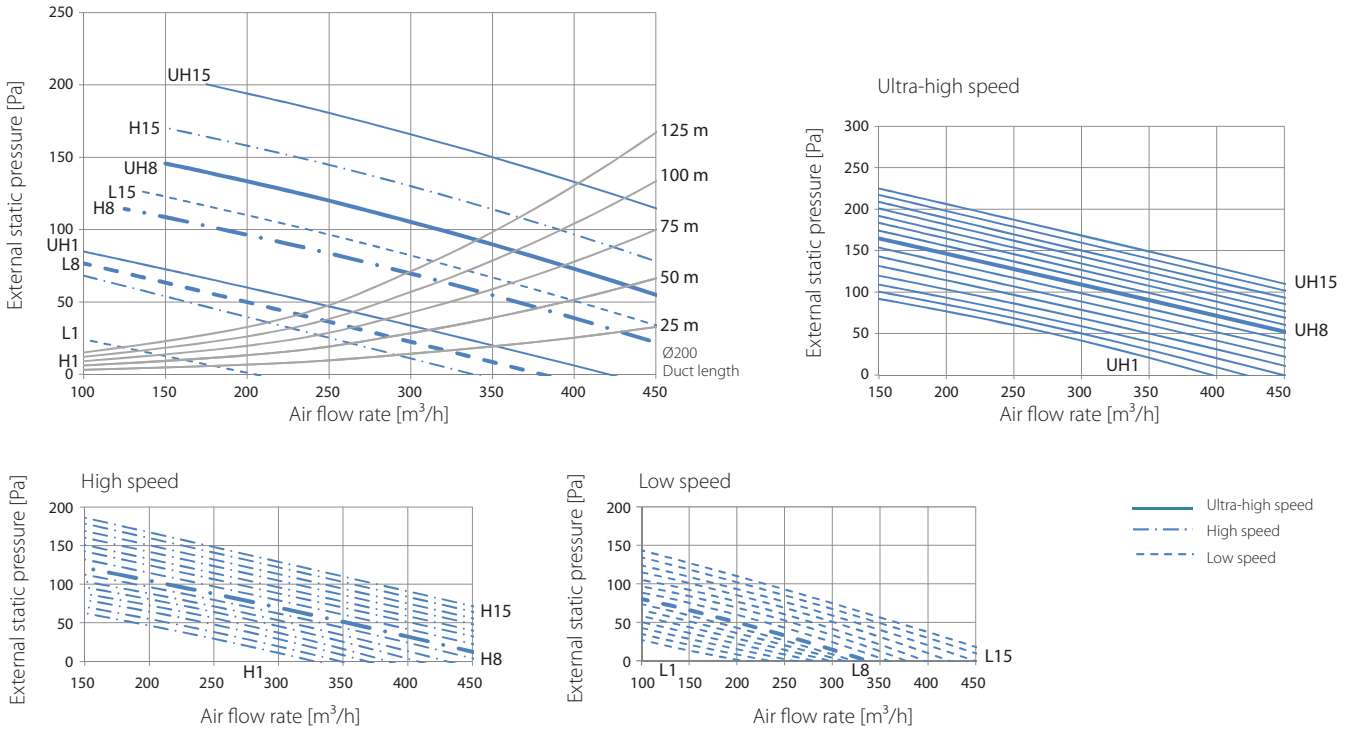
VAM350J



NOTES

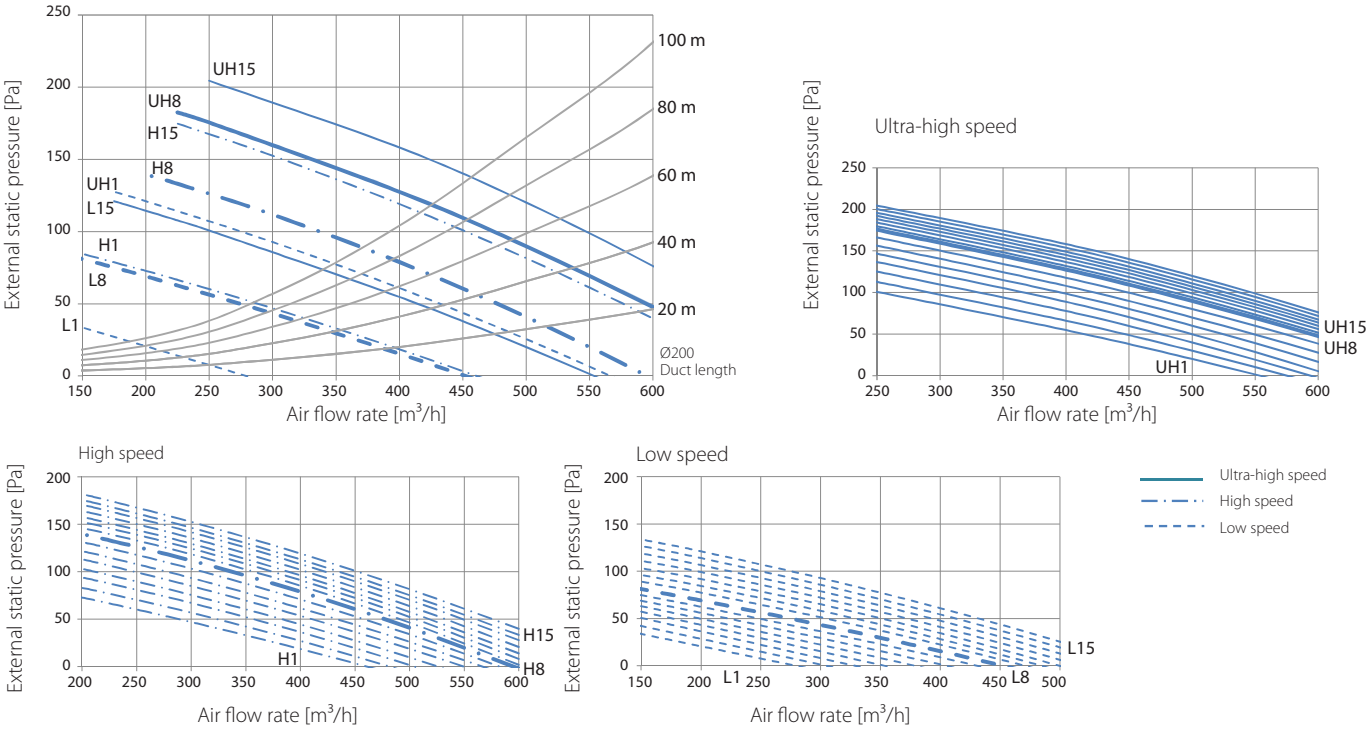
1. The fan curves are determined with ·1/3· of the ESP on the outdoor side (·EA & OA·), and ·2/3· of the ESP on the indoor side (·RA & SA·).
   EA = Exhaust air
   OA = Outdoor air
   RA = Room air
   SA = Supply air
2. Measured according to ·JIS B 8628 - 2003·

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

VAM500J



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
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   SA = Supply air
2. Measured according to ·JIS B 8628 - 2003·

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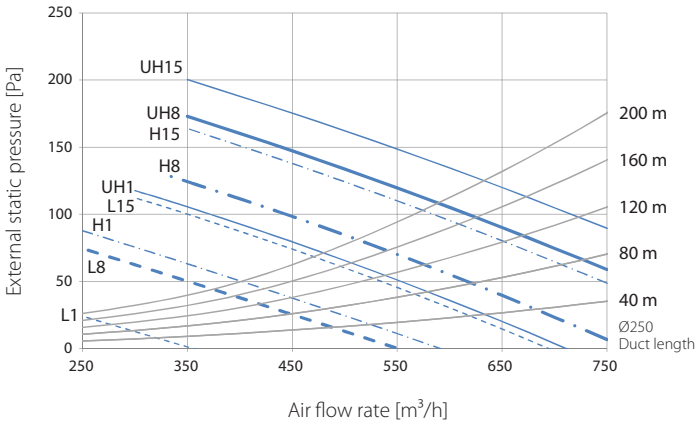
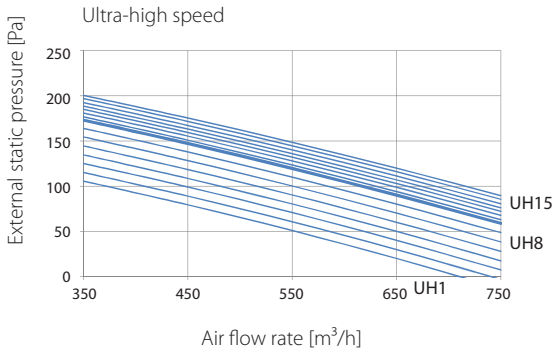
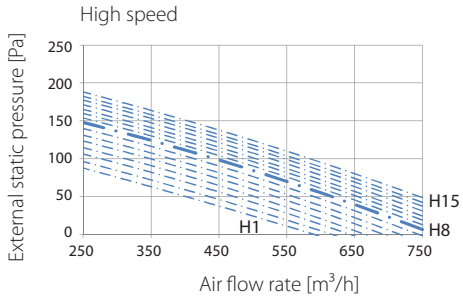
L8 = Low speed factory setting
L15 = Low speed upper limit
H1 = High speed lower limit
H8 = High speed factory setting
H15 = High speed upper limit
UH1 = Ultra-high speed lower limit
UH8 = Ultra-high speed factory setting
UH15 = Ultra-high speed upper limit

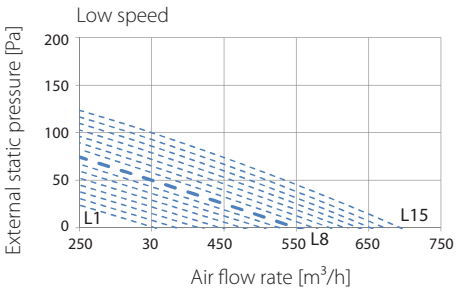
3D113494B

VAM650J









Ultra-high speed
High speed
Low speed

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).
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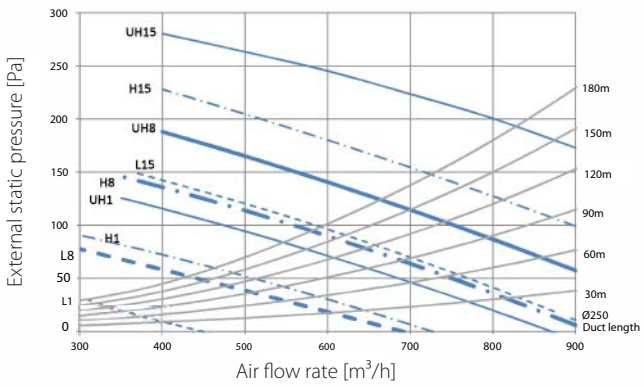
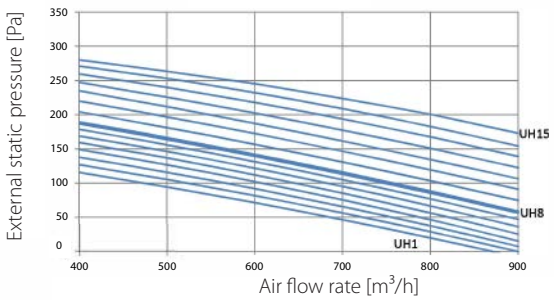
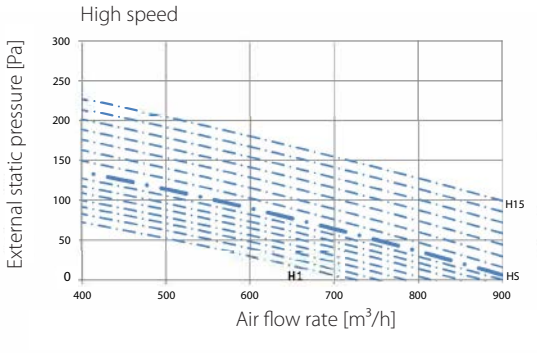
H8 = High speed factory setting
H15 = High speed upper limit
UH1 = Ultra-high speed lower limit
UH8 = Ultra-high speed factory setting
UH15 = Ultra-high speed upper limit

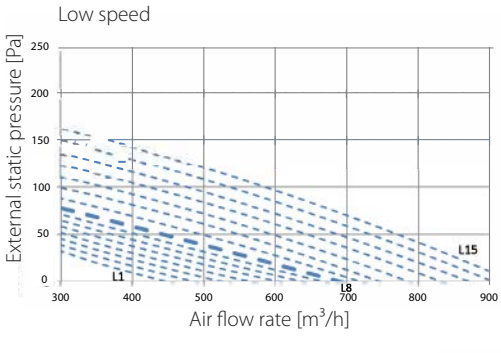
3D113495B

VAM800J









Ultra-high speed
High speed
Low speed

NOTES

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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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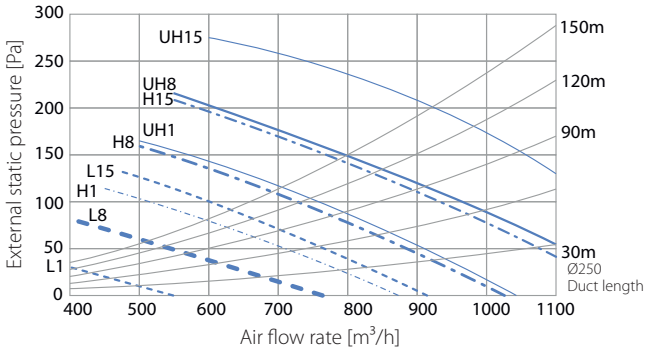
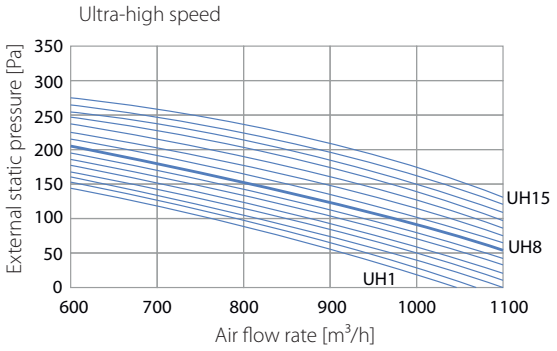
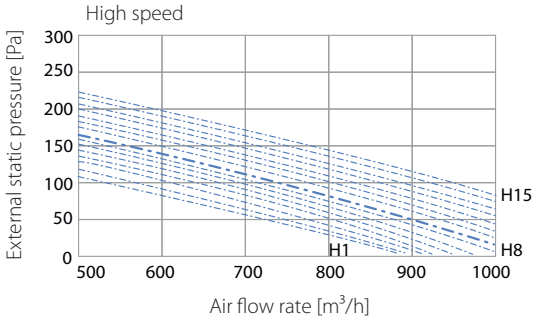
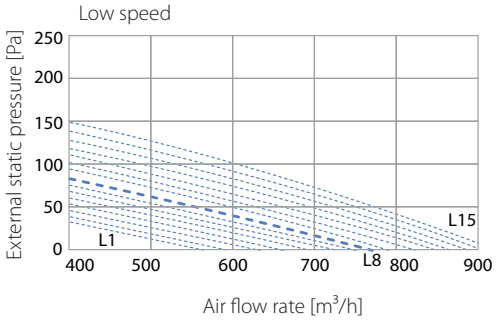
VAM1000J









Ultra-high speed
High speed
Low speed

NOTES

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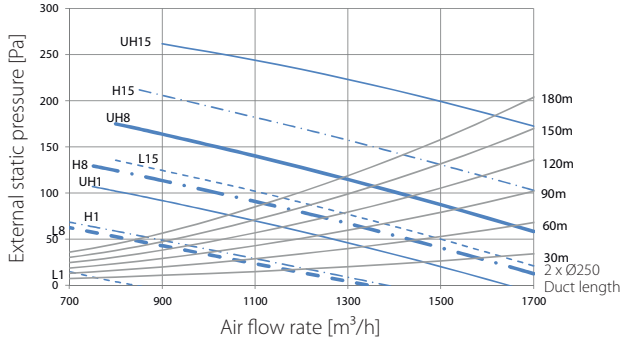
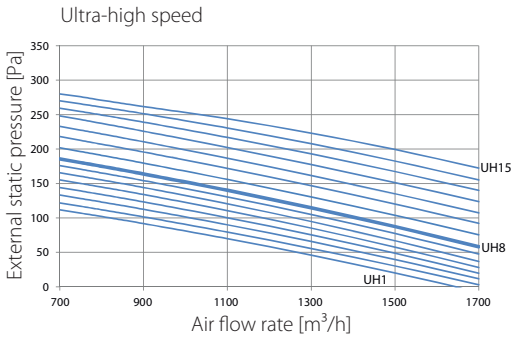
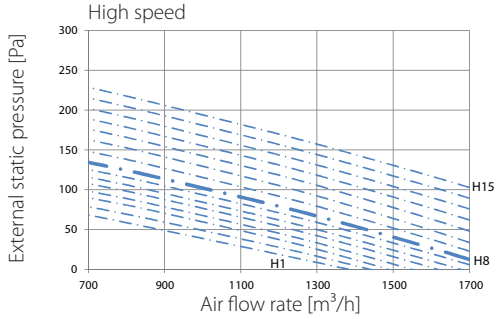
H8 = High speed factory setting
H15 = High speed upper limit
UH1 = Ultra-high speed lower limit
UH8 = Ultra-high speed factory setting
UH15 = Ultra-high speed upper limit

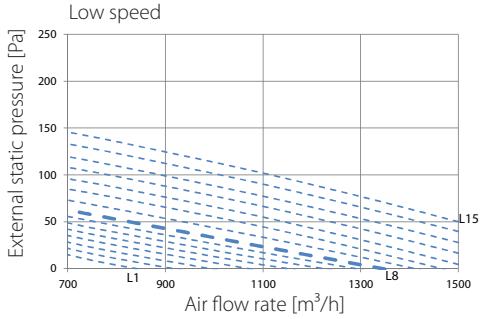
3D112832A

VAM1500J









Ultra-high speed
High speed
Low speed

NOTES

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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

3D112838A

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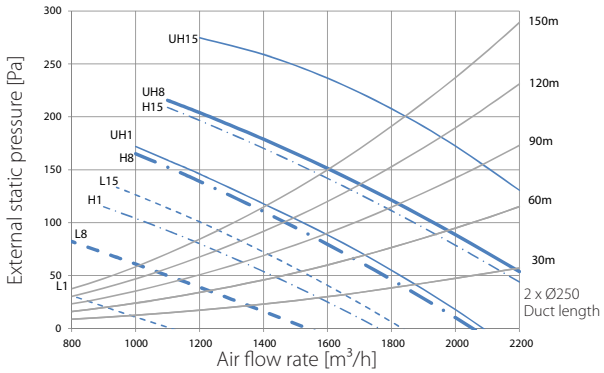
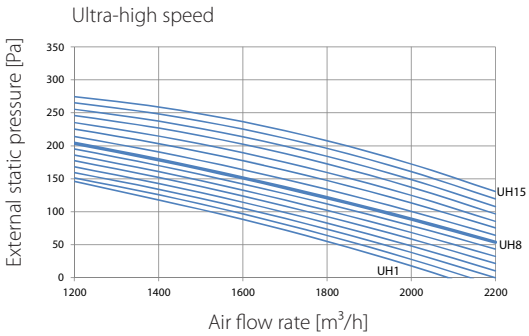
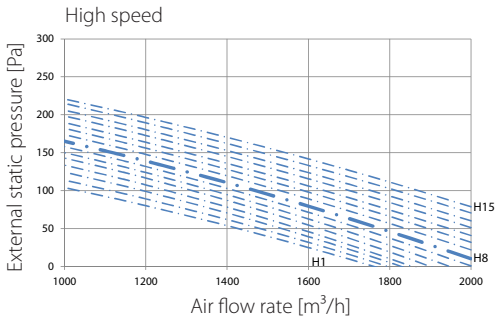
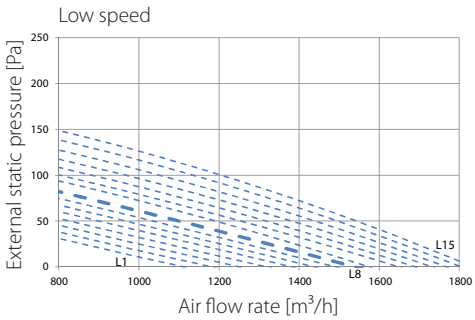
VAM2000J









Ultra-high speed
High speed
Low speed

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

3D112839A

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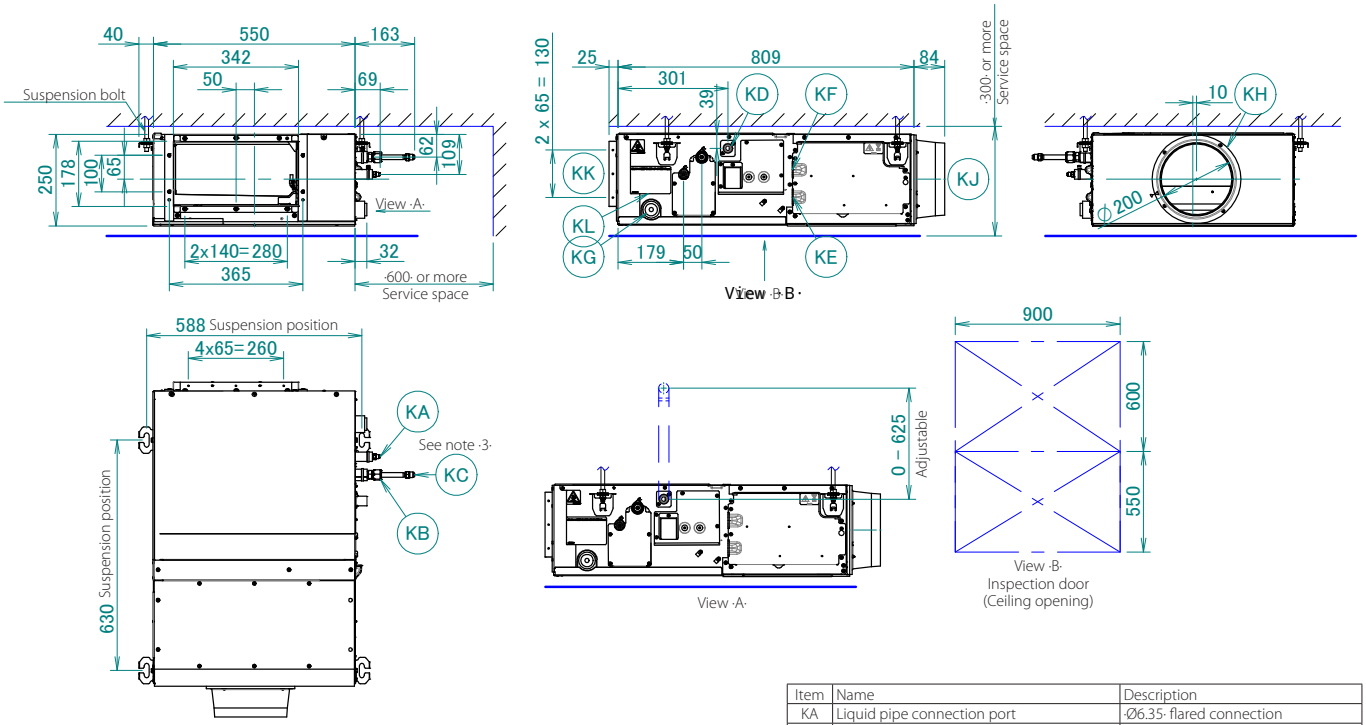
EKVDX32A



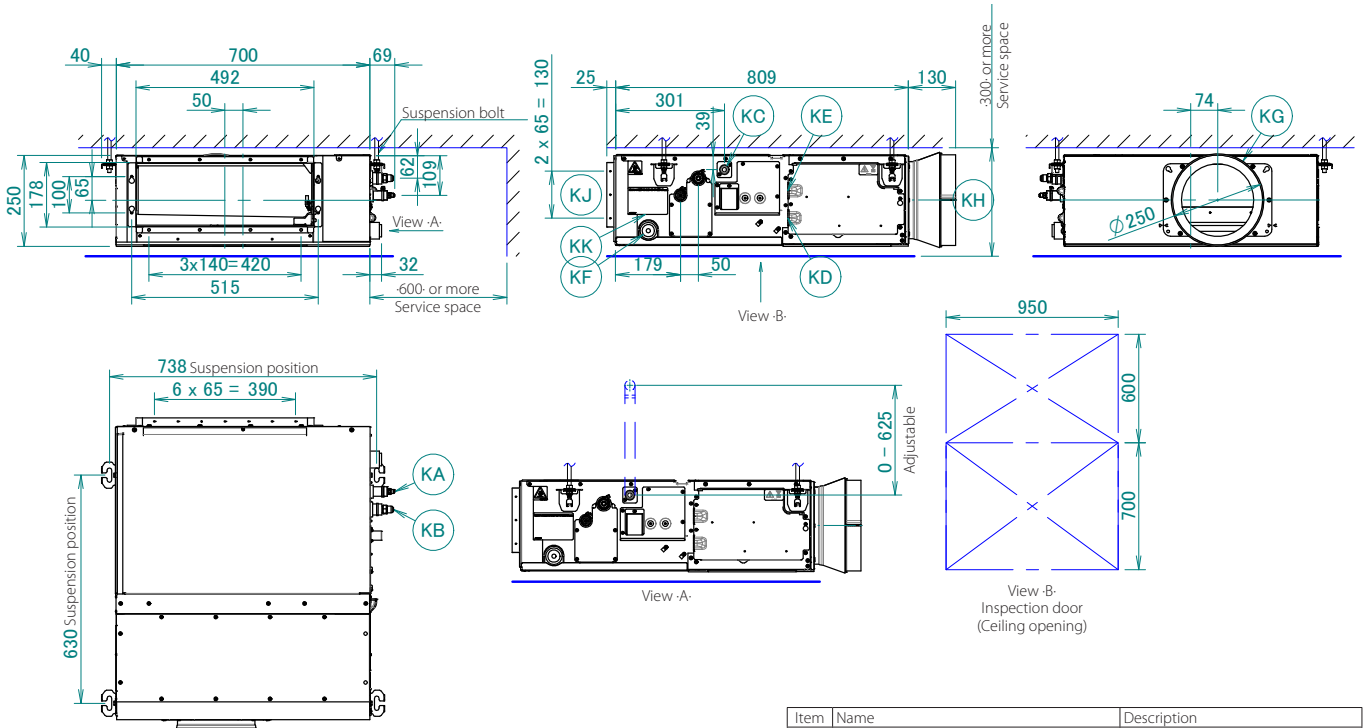
Item	Name	Description
KA	Liquid pipe connection port	·Ø6.35· flared connection
KB	Gas pipe connection port	·Ø12.70· flared connection
KC	Accessory pipe	·Ø9.52· flared connection
KD	Drain pipe connection	VP20 (OD Ø26, ID Ø20)
KE	Wiring connection	/
KF	Power supply connection	/
KG	Drain outlet	VP20 (OD Ø26, ID Ø20)
KH	Air inlet flange	/
KJ	Air suction side	/
KK	Air discharge side	/
KL	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.
3. Mandatory in case of using ·R32· refrigerant

3D127967

EKVDX50A



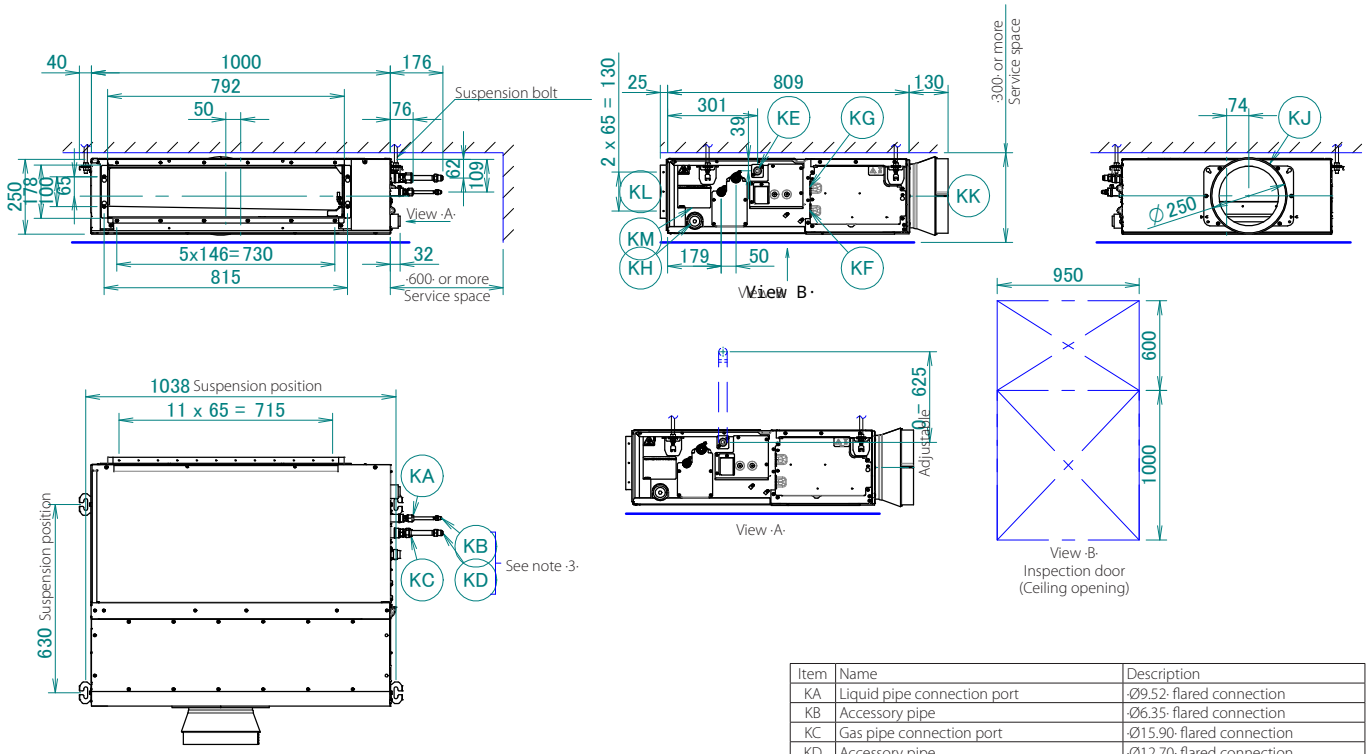
Item	Name	Description
KA	Liquid pipe connection port	·Ø6.35· flared connection
KB	Gas pipe connection port	·Ø12.70· flared connection
KC	Drain pipe connection	VP20 (OD Ø26, ID Ø20)
KD	Wiring connection	/
KE	Power supply connection	/
KF	Drain outlet	VP20 (OD Ø26, ID Ø20)
KG	Air inlet flange	/
KH	Air suction 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.

3D127968

EKVDX80A



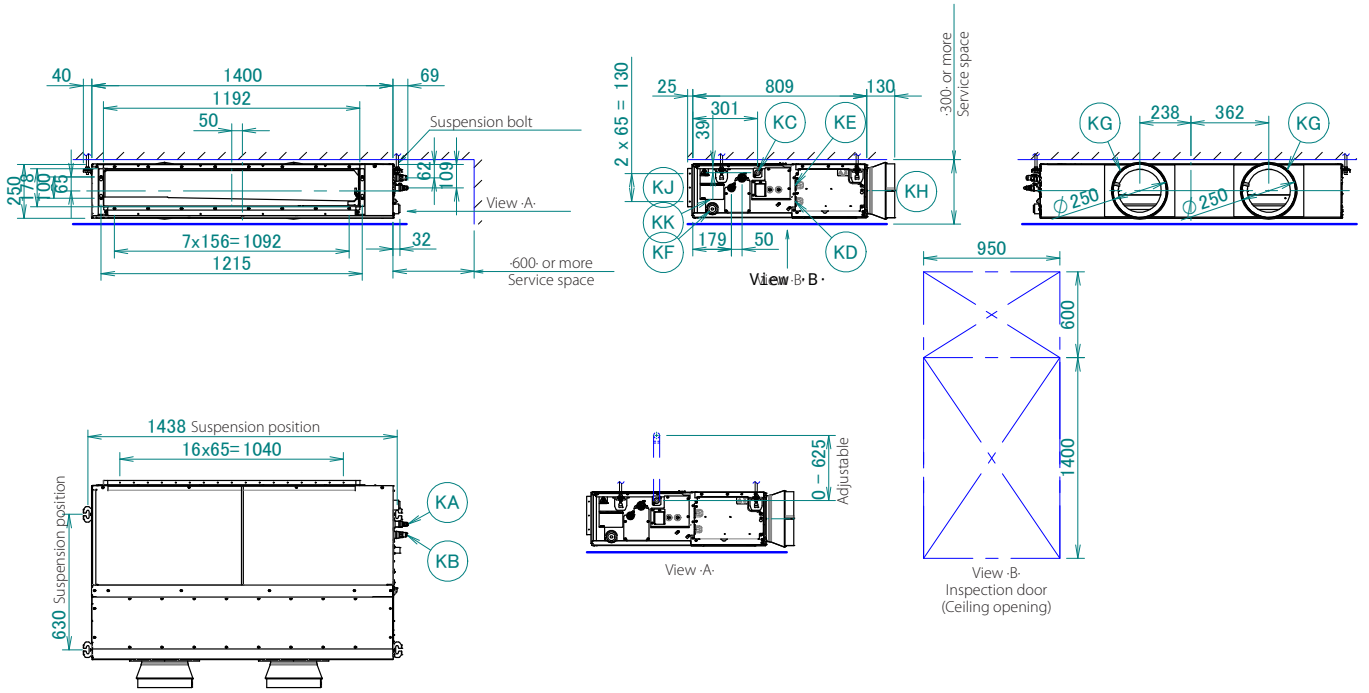
Item	Name	Description
KA	Liquid pipe connection port	·Ø9.52· flared connection
KB	Accessory pipe	·Ø6.35· flared connection
KC	Gas pipe connection port	·Ø15.90· flared connection
KD	Accessory pipe	·Ø12.70· flared connection
KE	Drain pipe connection	VP20 (OD Ø26, ID Ø20)
KF	Wiring connection	/
KG	Power supply connection	/
KH	Drain outlet	VP20 (OD Ø26, ID Ø20)
KJ	Air inlet flange	/
KK	Air suction side	/
KL	Air discharge side	/
KM	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.
3. Mandatory in case of using ·R32· refrigerant

3D127969

EKVDX100A



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 inlet flange	/
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.

3D127970

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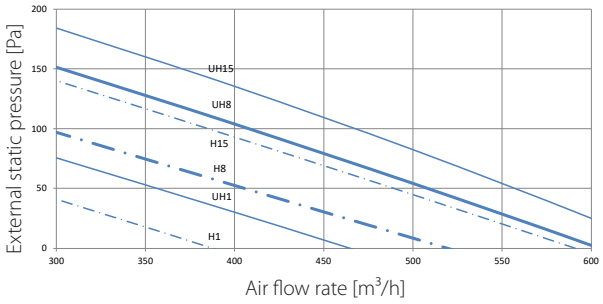
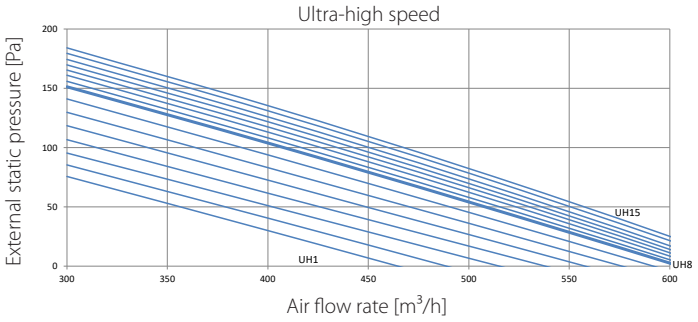
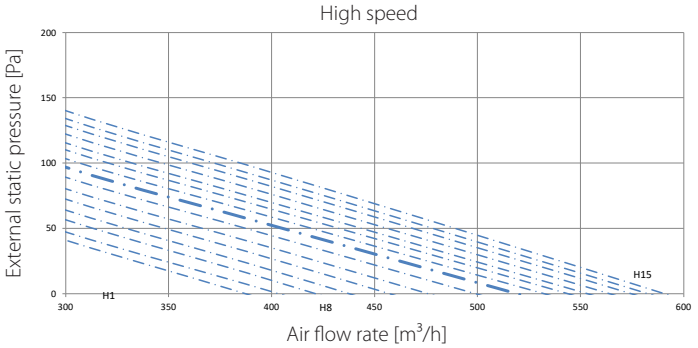
EKVDX32A







LEGEND

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

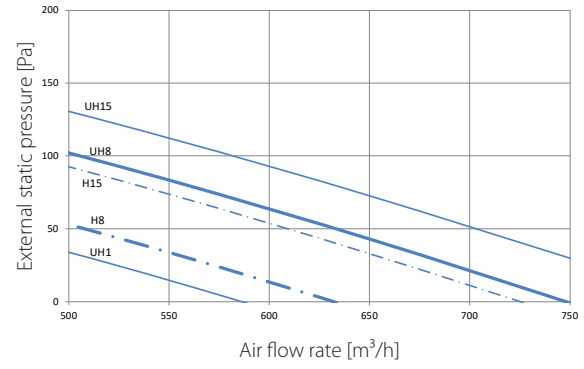
Ultra-high speed
High speed

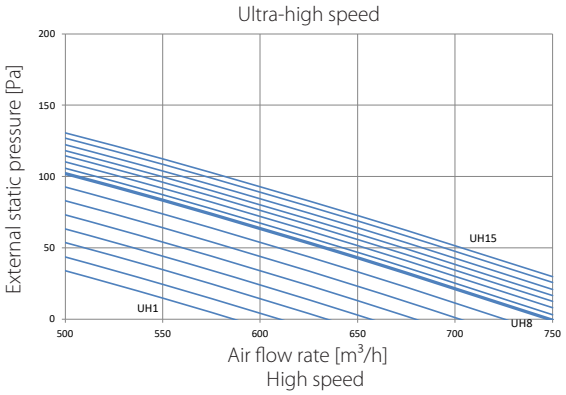
NOTES

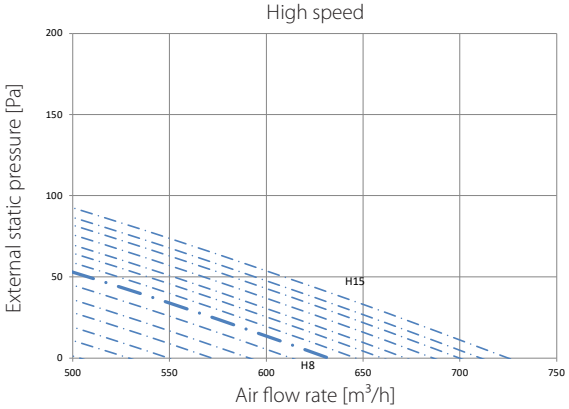
1. The fan curves are determined with ·1/3· of the ESP on the outdoor side (·EA & OA·), and ·2/3· of the ESP on the indoor side (·RA & SA·).
   EA = Exhaust air
   OA = Outdoor air
   RA = Room air
   SA = Supply air
2. The designed airflow of the system at H and UH tap should be kept as shown in the graphs. If the ·VAM· airflow is out of this range, the compressor of the outdoor unit may stop for selfprotection purposes.
3. Unit operation with R32 refrigerant is possible in the shaded area of the graphs, but the R32 safety alarm will be triggered if the system airflow drops within this area during operation. No selection in this area is allowed.
4. Measured according to ·JIS B 8628 - 2003·

3D138264

EKVDX50A







LEGEND

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

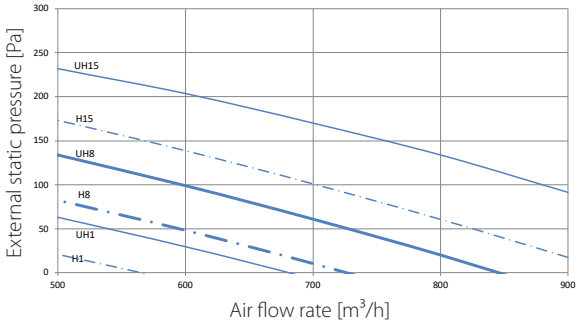
Ultra-high speed
High speed

NOTES

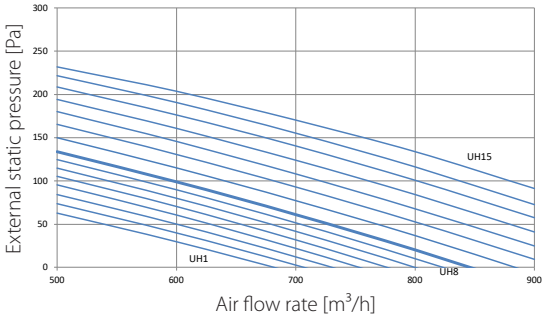
1. The fan curves are determined with ·1/3· of the ESP on the outdoor side (·EA & OA·), and ·2/3· of the ESP on the indoor side (·RA & SA·).
   EA = Exhaust air
   OA = Outdoor air
   RA = Room air
   SA = Supply air
2. The designed airflow of the system at H and UH tap should be kept as shown in the graphs. If the ·VAM· airflow is out of this range, the compressor of the outdoor unit may stop for selfprotection purposes.
3. Measured according to ·JIS B 8628 - 2003·

3D138265

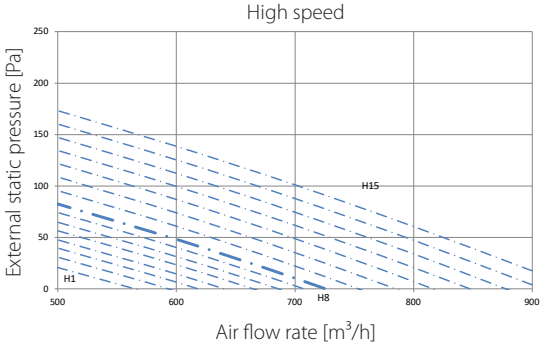
EKVDX50A



Ultra-high speed



High speed



LEGEND

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

Ultra-high speed
High speed

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
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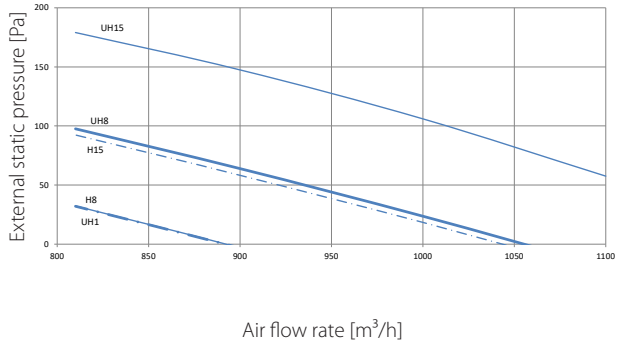
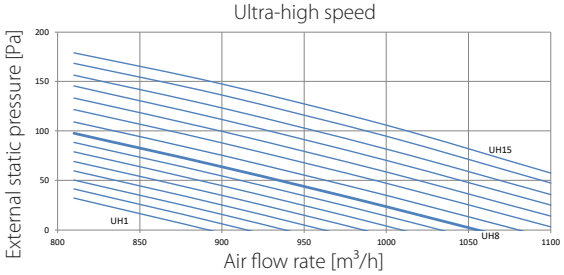
2. The designed airflow of the system at H and UH tap should be kept as shown in the graphs. If the ·VAM· airflow is out of this range, the compressor of the outdoor unit may stop for self-protection purposes.
3. Measured according to ·JIS B 8628 - 2003·

3D138266

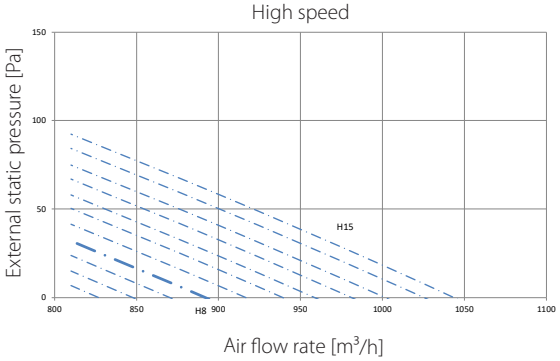
EKVDX80A



Ultra-high speed



High speed



LEGEND

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

Ultra-high speed
High speed

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·).
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3. Measured according to ·JIS B 8628 - 2003·

3D138267

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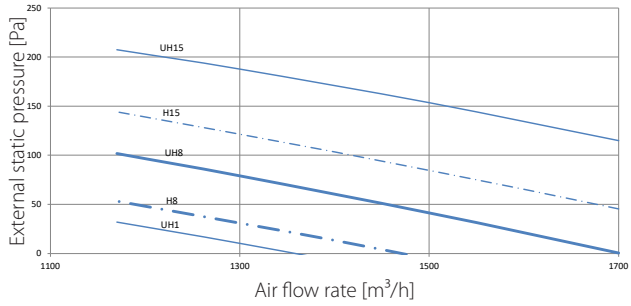
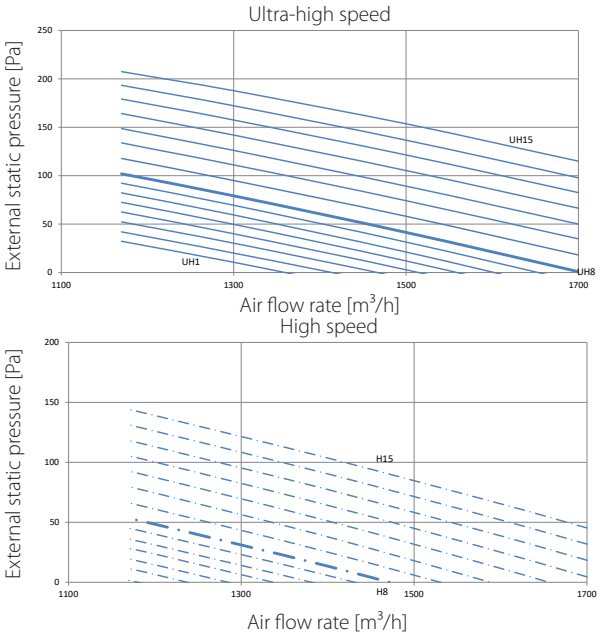
EKVDX100A





LEGEND

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

Ultra-high speed
High speed

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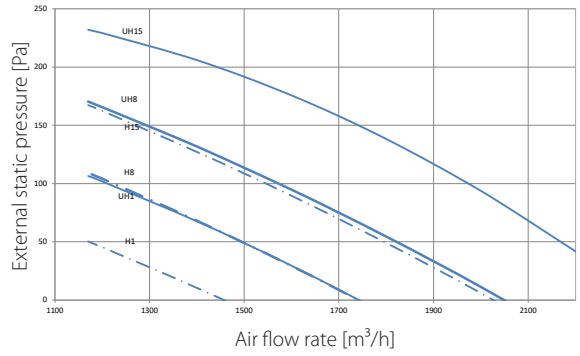
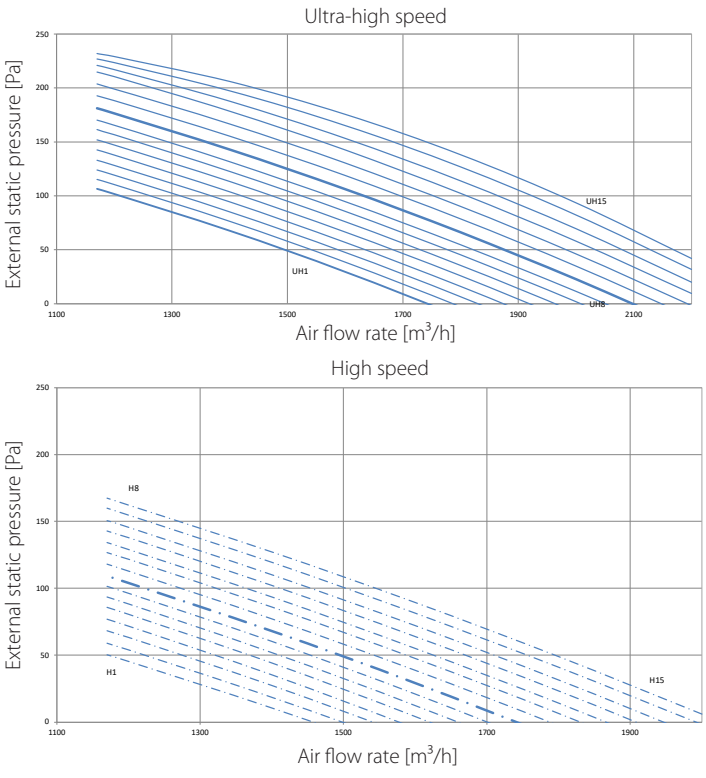
3. Measured according to ·JIS B 8628 - 2003·

3D138268

EKVDX100A





LEGEND

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

Ultra-high speed
High speed

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
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2. The designed airflow of the system at H and UH tap should be kept as shown in the graphs. If the ·VAM· airflow is out of this range, the compressor of the outdoor unit may stop for selfprotection purposes.
3. Measured according to ·JIS B 8628 - 2003·

3D138269

Notes

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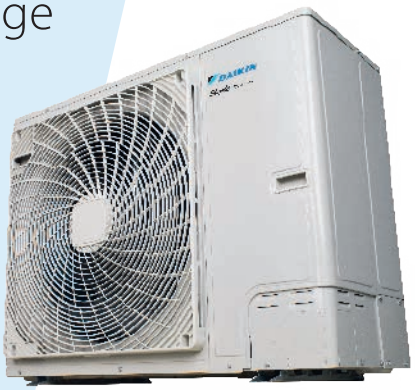

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