DAIKIN

SkyAir

Sky Air

Product catalogue 2020 for professionals

Including
NEW
Sky Air Alpha-series and Round Flow cassette

INTERACTIVE pdf

SkyAir A-series

BLUEVOLUTION

Advantages

With this interactive PDF we want to ensure you quickly find back the information you are looking for. Within this catalogue or via direct links to our business portal.

Focus on your business, we are here to help you.

Navigation

Sidebar links

The different chapters in the catalogue are shown at the side. You will be taken directly to the index page of the chapter with a single click.

All page numbers clickable

Click any page number you see and you will go directly to the page.

Always in control,
no matter where you are

Click to go back

DAIKIN

Low height.
High value.

More flexibility for your business

with single fan casings in the whole Sky Air range

Unique to the market: We proudly present our new low-height single fan outdoor units across all Sky Air ranges – from 3.5 to 25 kW.

- More flexibility in positioning, easier transport and installation
- Market-leading serviceability and handling – with easy access to all components and 7-segment display
- Reliable cooling thanks to refrigerant cooled PCB
- Full portfolio of connectable R-32 indoor units

www.daikin.eu/skyairbluevolution

BLUEVOLUTION

SkyAir Alpha-series

SkyAir Advance-series

Table of contents

What's new? 05

7 reasons why Sky Air is unique in the market 06

Solution highlights 08

NEW round flow cassette

Indoor units 15

NEW outdoor series

Outdoor units 59

Biddle air curtains 85

Ventilation 87

Control Systems 103

Options & accessories 131

Tools and platforms 141

Technical drawings 149

DAIKIN

ROUND FLOW

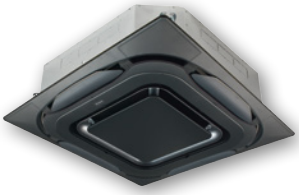
The most comfortable cassette just got better

New round flow cassette

SkyAir

- Bigger flaps and new sensor logic further improves equal air distribution in the room
- Widest ever choice in panels for cassette units, with up to 7 different panels
- Comes with the known benefits: 360° air flow discharge and intelligent sensors
- Auto cleaning panels available in black and white

Black auto cleaning panel



Black designer panel

Full white standard panel

White designer panel

What's new?

BLUEVOLUTION

Low height Sky Air series p. 76

NEW More flexibility thanks to single fan casing in the whole Sky Air range

› Unique, low-height single fan portfolio from 3.5 to 25 kW
› Compact unit, easy to transport and position
› Market-leading serviceability and handling:
- easy access to all critical components
- newly positioned handle

Sky Air Alpha-series

RZAG-NV1/NY
› Operation range down to -20°C in cooling and heating
› Suits infrastructure cooling applications

Variable Refrigerant Temperature

71 100 125 140

Sky Air Advance-series

RZA-D

› Replaces trunk casing RZQ-C
› Piping length up to 100m
› Operation range down to -20°C in cooling and heating
› Capacity up to 25 kW

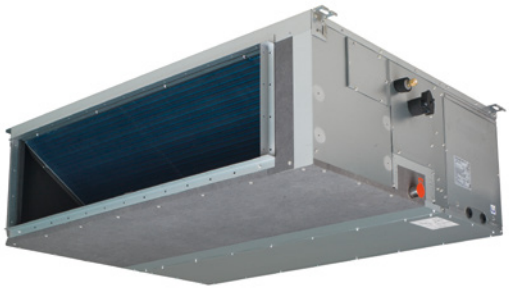
200 250

Concealed ceiling unit with high ESP p. 43

FDA200-250A

NEW ESP up to 250Pa, ideal for large sized buildings

› Change ESP to achieve optimal supply of air volume
› Significantly reduced sound values
› Up to 26.4kW in heating mode
› For pair combination with RZA-D



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

SkyAir A-series BLUEVOLUTION

More details on page 59

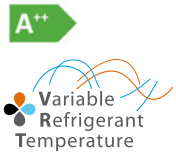
System	Type	Model	Product name	35	50	60	71	100	125	140	200	250
				3.5 kW	5.0 kW	6.0 kW	6.8 kW	9.5 kW	12.1 kW	13.4 kW	21.5 kW	23.6kW
Air cooled	Heat pump	**SkyAir Alpha-series** R-32 A++ (A+++ - D) - Industry leading technology for commercial applications - Dedicated solution for infrastructure cooling - Variable Refrigerant Temperature (RZAG71-100-125-140 series) - Maximum piping length up to 85m (50m for RZAG35-50-60) - Replacement technology - Extended operation range down to -20°C in both heating and cooling - Pair, twin, triple and double twin application (RZAG71-100-125-140 series)	RZAG-A RZAG-NV1/NY1				NEW	NEW	NEW	NEW		
		SkyAir Advance-series R-32 A+ (A+++ - D) - Technology and comfort combined for commercial applications - Very compact and easy to install outdoor units - Maximum piping length up to 50m (RZA-D up to 100m) - Replacement technology - Operation range down to -15°C both cooling and in heating (RZA-D down to -20°C) - Pair, twin, triple and double twin application	RZASG-MV1/MY1									
			RZA-D								NEW	NEW
		SkyAir Active-series R-32 A (A+++ - D) - Ideal solution for busy environments and small shops - Very compact and easy to install outdoor units - Maximum piping length up to 30m - Replacement technology - Easy-to-mount outdoor units: roof, terrace or wall - Exclusively offered for pair applications	ARXM-N9 AZAS-MV1/MY1									

Full indoor line up available for R-32 and R-410A

(over 45 different models)

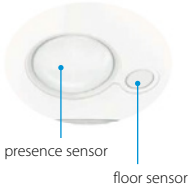
2 High energy efficiency

- **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
- Fresh air intake integrated in indoor unit



4 Top reliability

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

bottom plate refrigerant pass

5 Market leading controls

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

BRC1H519W7

Madoka

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
- Total solution for cooling, heating, air curtains and ventilation
- Dedicated assymetric combinations for infrastructure cooling
- Reliably replace Daikin and non-Daikin systems without the need for pipe cleaning thanks to the new hepta filtration
- Use up to 4 indoor units linked to one outdoor unit for long or irregularly shaped rooms

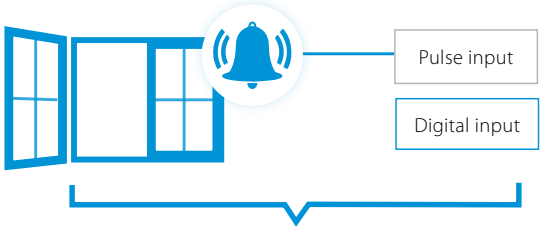
Always in control,
no matter where you are

Intelligent Tablet Controller

intelligent Tablet Controller

- User-friendly touch screen to centrally control your A/C and alarms
- Integrate third party equipment via pulse or digital input
- Connects to the Daikin Cloud Service

AL-CCD07-VESA



More details on page 116

Daikin Cloud Service

DAIKIN CLOUD SERVICE

Cloud-based remote control and monitoring solution for DX systems

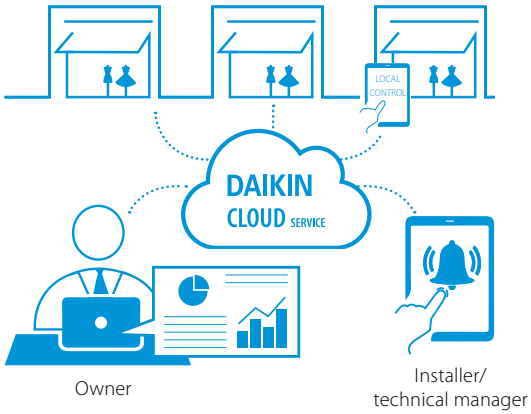
Remote control and energy visualisation
Puts you in the driving seat of your energy management

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

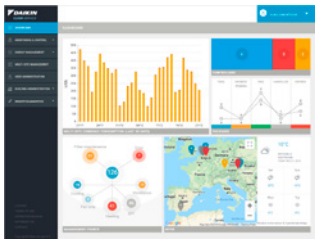
Remote support and diagnostics
Daikin specialist supervision, so you can focus on your core business

Advice and optimisation
Get the best out of your system through expert advice

Multi-site monitoring
From one to an ∞ number of sites



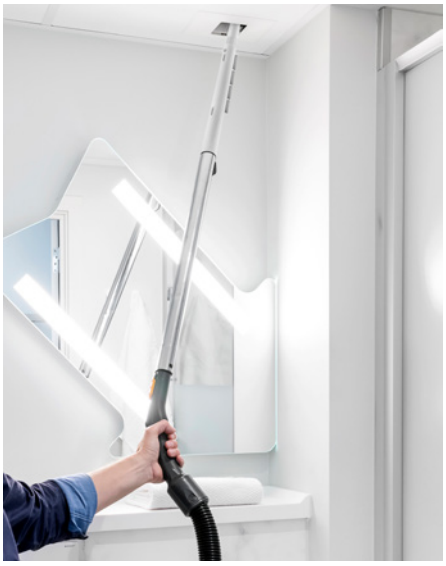
Compatible with:
- intelligent Tablet Controller (DCC601A51)
- intelligent Touch manager (DCM601A51) + IoT gateway
- LC8 + IoT gateway



Clear dashboard overview

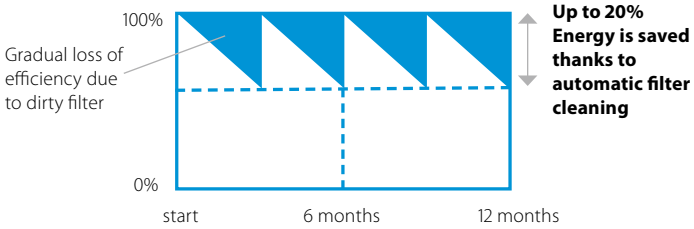
Unique in the market

Auto cleaning
technology



Reduce running costs
› Automatic filter cleaning ensures high efficiencies and low maintenance costs because the filter is always clean

Efficiency profile change for duct indoor unit during operation

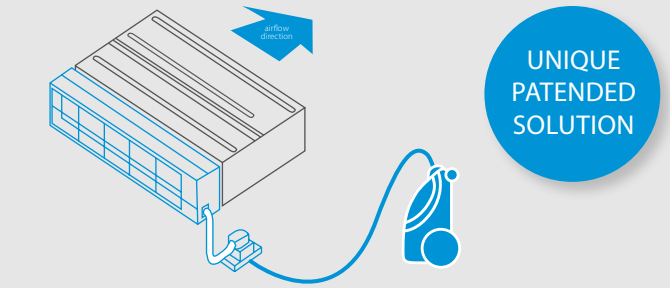


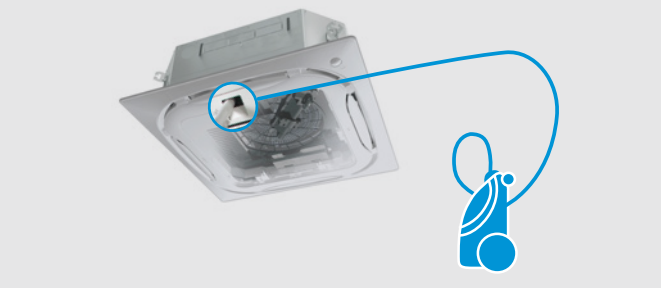
Minimal time required for filter cleaning
› The dust box can be emptied with a vacuum cleaner for fast and easy cleaning
› No more dirty ceilings

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

Improved indoor air quality
› Optimum airflow eliminates draft and insulates sound

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**





Concealed ceiling units
› Ideal for hotels and residential applications
› Cleaning team /owner can clean the filter

More details on page 34

Round flow cassette
› Ideal for retail
› Staff/owner can clean the filter
› No need to use a ladder to reach the unit
› Available in standard white and black

More details on page 22

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			•	•							•

		Sky Air		VRV
		FCAG-B	FCAHG-H	FXFA-A/ FXFQ-B
BYCQ140EGF	□	•	•	•
BYCQ140EGFB	■	•	•	•

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.

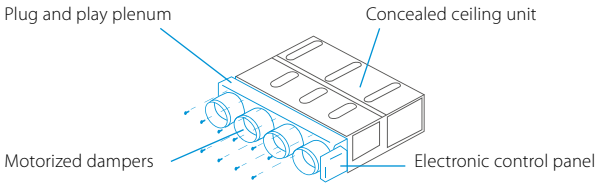
Benefits

Increased comfort

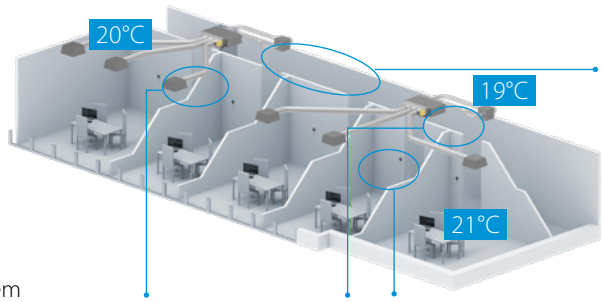
› Increases comfort levels by allowing more individual zone control
  - Up to 8 individual zones can be served thanks to separate modulating dampers
  - Individual thermostat for room-by-room or zone-by-zone control

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?



Individual zone thermostats

Zoning box: fully pre-assembled plenum with dampers

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

AZCE6BLUEFACECB (Wired)

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

AZCE6THINKCB (Wired)
AZCE6THINKRB (Wireless) NEW

Airzone Zone Thermostat
› Thermostat with buttons for controlling the temperature

AZCE6LITECB (Wired)
AZCE6LITERB (Wireless) NEW

Compatibility

	Number of motorised dampers	Reference	Dimensions H x W x D (mm)	SkyAir FDXM-F9 25	35	50	60	FBA-A(9) 35	50	60	71	100	125	140	ADEA-A 71	100	125	VRV FXDA-A/FXDQ-A3 15	20	25	32	40	50	63	FXSA-A/FXSQ-A 15	20	25	32	40	50	63	71	80	100	125	140
Standard Ceiling Void	2	AZEZ6DAIST07XS2	300 x 930 x 454																						●	●	●	●								
		AZEZ6DAIST07S2						●	●																				●	●						
	3	AZEZ6DAIST07XS3	300 x 930 x 454																						●	●	●	●								
		AZEZ6DAIST07S3						●	●																				●	●						
	4	AZEZ6DAIST07S4	300 x 930 x 454					●	●																				●	●						
		AZEZ6DAIST07M4	300 x 1,140 x 454							●	●				●																●		●			
	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	515 x 1,425 x 454									●	●	●		●	●																	●	●	
		AZEZ6DAIST07XL8																																		●
Compact Ceiling Void	2	AZEZ6DAISL01S2	210 x 720 x 444	●	●													●	●	●	●															
	3	AZEZ6DAISL01S3	210 x 720 x 444	●	●													●	●	●	●															
	4	AZEZ6DAISL01M4	210 x 930 x 444																			●	●													
	5	AZEZ6DAISL01L5	210 x 1,140 x 444			●	●																	●												

For more information on options refer to page 112

Infrastructure cooling

Unique in the market

DUTY ROTATION

Infrastructure cooling

RELIABLE, CONTINUOUS OPERATION 24/7 365

› For rooms and enclosures that require round-the-clock cooling
› Where continuous uptime is the absolute requirement for server data protection

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

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:

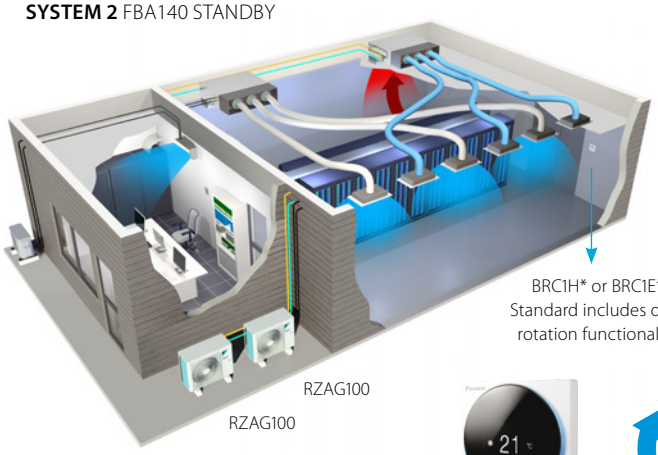
› Lowers running costs by using highly efficient direct expansion cooling systems
› Lower running costs compared to other DX systems and water based chillers.
› Reduces mechanical cooling and energy consumption with the free cooling option for single phase systems

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 (ceiling suspended cassettes, wall mounted indoors, concealed ceiling ducted type indoors)

Duty rotation application example

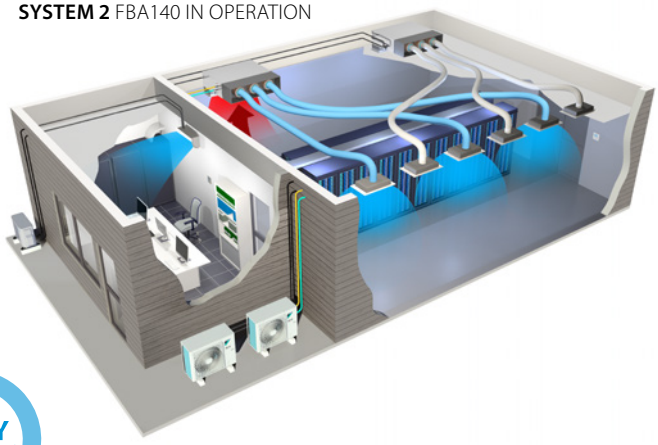
SYSTEM 1 FBA140 IN OPERATION
SYSTEM 2 FBA140 STANDBY



BRC1H* or BRC1E*
Standard includes duty rotation functionality

DUTY ROTATION

SYSTEM 1 FBA140 STANDBY
SYSTEM 2 FBA140 IN OPERATION



Shops
reducing retail costs

- Open door trading thanks to Biddle air curtains
- Discreet with limited visual and operating impact
- Reduces energy usage and costs
- Worry-free installation
- User-friendly control

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

Retail shop representative

Check on YouTube

www.youtube.com/DaikinEurope

Shops

Offices
Efficiency in the workplace

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

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

Architect

Check on YouTube

www.youtube.com/DaikinEurope

Office

Restaurants

Perfect ambiance for dining

- Ensures an even temperature distribution to create the perfect dining environment.
- Heat recovery ventilation keeps the air clean
- Highly energy efficient
- Uses intelligent control systems operated from one central location.

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

Owner of a highly-rated restaurant

IT rooms, laboratories and telecom shelters

Sky Air for infrastructure cooling

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

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

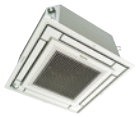
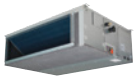
General office manager

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

Indoor
Units

	Products overview indoor units	16
	Benefits overview indoor units	18
	Ceiling mounted cassettes	22
	FCAHG-H	25
	FCAG-B	26
	FFA-A9	32
	Concealed ceiling units	34
UNIQUE	Auto cleaning filter for concealed ceiling units	34
UNIQUE	Multi zoning kit	35
UNIQUE	FDXM-F9	36
	FBA-A(9)	38
	FDA125A	42
	FDA200-250A	43
UNIQUE	ADEA-A	44
	Wall mounted units	45
	FAA-A	45
NEW	FTXM-N	48
	Ceiling suspended units	49
	FHA-A(9)	49
	FUA-A	52
	Floor standing units	54
	FVA-A	54
UNIQUE	Concealed floor standing units	56
	FNA-A9	56

Product overview SkyAir

Type	Model	Product name		PG	
Ceiling mounted cassette	UNIQUE High COP, Round flow cassette	FCAHG-H		25	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	FCAG-B		26	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		32	Unique design in the market that integrates fully flat into the ceiling - Perfect integration in standard architectural ceiling tiles - Blend of iconic design and engineering excellence with a white or silver and white finish - Intelligent sensors save energy and maximize comfort - Flexibility to suit every room layout without changing the location of the unit! - Quietest 600 x 600 cassette on the market
Concealed ceiling	Slim concealed ceiling unit Auto cleaning option Multi zoning option	FDXM-F9		36	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)		38	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	42	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	43	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		44	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-A		45	For rooms with no false ceilings nor free floor space - 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 - Easy to install: 100 class is 35% lighter than previous model - Flexible to install: pipe connection can be bottom, left or right
	Perfera wall mounted unit	FTXM-N		48	For rooms with no false ceilings nor free floor space - Practically inaudible - 2 area motion detection sensor - Flash streamer technology - 3D air flow
Ceiling suspended	Ceiling suspended unit	FHA-A(9)		49	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		52	Unique Daikin unit for high rooms with no false ceilings nor free floor space - Even rooms with ceilings up to 3.5m can be heated up or cooled down very easily! - Flexibility to suit every room layout without changing the location of the unit! - Optimum comfort guaranteed with automatic air flow adjustment to the required load - The air is comfortably spread up- and downwards thanks to 5 different discharge angles
Floor standing	Floor standing unit	FVA-A		54	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

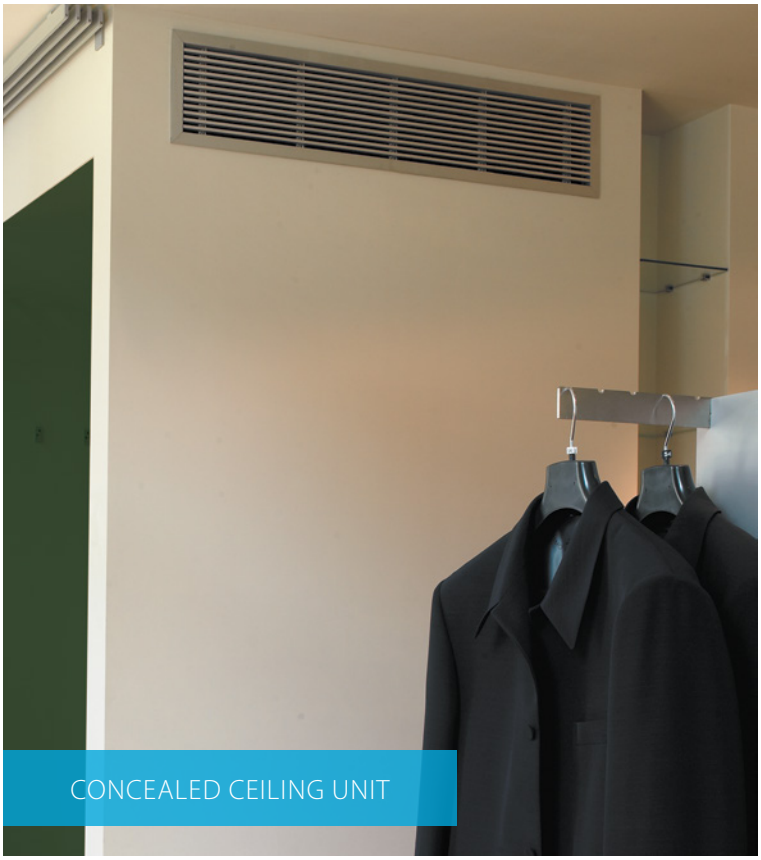
Capacity class										Outdoor unit combination				
										R-32				
										SkyAir Alpha-series		SkyAir Advance-series		SkyAir Active-series
25	35	50	60	71	100	125	140	200	250	RZAG-A	RZAG-NV1/NY1	RZASG*	RZA-D	ARXM*/AZAS*
				•	•	•	•				✓			
	•	•	•	•	•	•	•			✓	✓	✓	✓	✓
•	•	•	•							✓	✓	✓	✓	
•	•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

Product overview SkyAir

We care	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.
	Home leave operation	During absence, the indoor temperature can be maintained at a certain level.
	Fan only	The air conditioner can be used as fan, blowing air without cooling or heating.
	Auto cleaning filter	The filter automatically cleans itself. Simplicity of upkeep means optimum energy efficiency and maximum comfort without the need for expensive or time-consuming maintenance.
	Floor and presence sensor	The presence sensor directs the air away from any person detected in the room, when the air flow control is on. The floor sensor detects the average floor temperature and ensures an even temperature distribution between ceiling and floor.
Comfort	Draught prevention	When starting to warm up or when the thermostat is off, the air discharge direction is set horizontally and the fan to low speed, to prevent draught. After warming up, air discharge and fan speed are set as desired.
	Whisper quiet	Daikin indoor units are whisper quiet. Also the outdoor units are guaranteed not to disturb the quiet of the neightbourhood.
	Auto cooling-heating changeover	Automatically selects cooling or heating mode to achieve the set temperature.
Air treatment	Air filter	Removes airborne dust particles to ensure a steady supply of clean air.
Humidity control	Dry programme	Allows humidity levels to be reduced without variations in room temperature.
Air flow	Ceiling soiling prevention	A special function prevents air 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 makes it simple to fix the position of each flap individually, to suit any new room configuration. Optional closure kits are available as well.
Remote control & timer	Online controller	Can control and monitor the status of your Daikin heating or air conditioning system
	Weekly timer	Timer can be set to start operation anytime on a daily or weekly basis
	Infrared remote control	Infrared remote control with LCD to start, stop and regulate the air conditioner from a distance.
	Wired remote control	Wired remote control to start, stop and regulate the air conditioner from a distance.
	Centralised control	Centralised control to start, stop and regulate 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 (RZAG* or RZQG* outdoor unit must be used).
	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 1 outdoor unit. All indoor units operate within the same mode (cooling or heating) from one remote control.
	Multi model application	Up to 5 indoor units (even different capacities) can be connected to a single outdoor unit. All indoor units can individually be operated within the same 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 NEW					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-A	FTXM-N	FVA-A	FNA-A9
•	•	•	•	•	•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•	•	•		•	•
•	•	•	•	•	•	•	•	•	•	•	•	•	•
•	•		•										
•	•	•											
•	•	•							•				
•	•	•		•			•				•		
•	•	•	•	•	•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•	•	•	• (incl. Flash streamer)	•	•
•	•	•	•	•	•	•	•	•	•	•	•	•	•
•	•	•											
•	•	•						•	•	•	• (incl. 3D air flow)	•	
5	5	3	3	3	3	3	3	3	3	3	5	3	3
•	•	•							•				
•	•	•	•	•	•	•	•	•	•	•	•	•	•
•	•	•	• depending on controller	•	•	•	•	•	•	•	•	•	•
optional	optional	optional	optional	optional	optional	optional	optional	optional	optional	optional	standard		optional
optional	optional	optional	optional	optional	optional	optional	optional	optional	optional	optional	optional	optional	optional
optional	optional	optional	optional	optional	optional	optional	optional	optional	optional	optional	optional	optional	optional
			•	•			•						
•	•	•	•	•	•		•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•	•	•	•	•	•
standard	standard	standard		standard	standard	optional	optional	optional	standard	optional			
•	•	•	•	•	•	•	•	•	•	•			•
	•	•	•	•			•	•			•		•
	•	•	•	•				•					•

FULLY FLAT CASSETTE



CONCEALED CEILING UNIT

CONCEALED FLOOR STANDING UNIT

4-WAY BLOW CEILING SUSPENDED CASSETTE

WALL MOUNTED UNIT

CEILING SUSPENDED UNIT

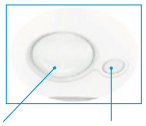
ROUND FLOW CASSETTE, DESIGNER PANEL

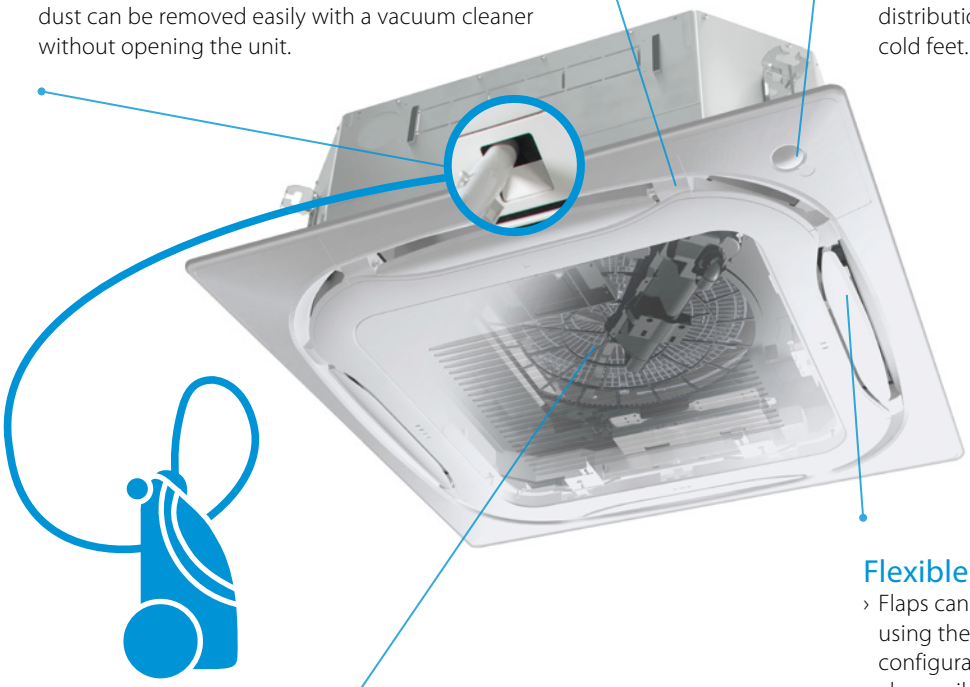
Round flow
cassette

360° air discharge for improved comfort
› Industry-first and proven design.
› Wider flaps to even further improve equal temperature distribution

More energy efficient and user-friendly than any other cassette
› Running costs can be reduced down to 50% compared with standard solutions
› Automatic filter cleaning.
› Less time is required to maintain the filter: dust can be removed easily with a vacuum cleaner without opening the unit.

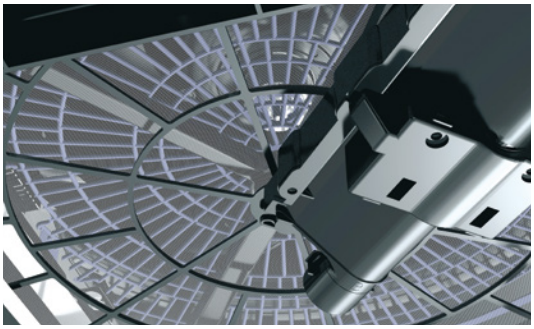
Intelligent sensors improve efficiency and comfort even more
› The presence sensor adjusts the set point if no one is detected in the room leading to up to 27% savings.
› It also automatically directs air flow away from any person to avoid draught.
› The infrared floor sensor detects the average floor temperature and ensures even temperature distribution between ceiling and floor to prevent cold feet.

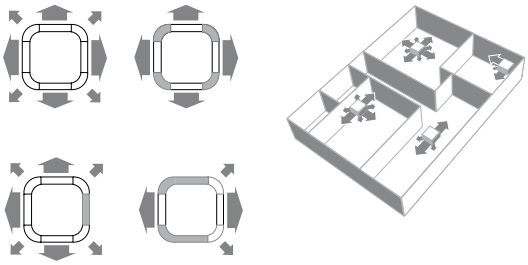




Flexible installation
› Flaps can be individually controlled or closed using the wired remote control, to suit room configuration. Optional closure kits are also available.

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





* Available as an option

Widest ever range of decoration panels to fit the interior and application

Standard panels available in white and black

› The unique Daikin round flow cassette with 360° air flow, wide flaps and optional intelligent sensors

BYCQ140E
white standard panel

BYCQ140EW
Full white standard panel

BYCQ140EB
black standard panel

Auto cleaning panels available in white and black

› The unique Daikin auto cleaning cassette with wide flaps and optional intelligent sensors

BYCQ140EGF
White auto cleaning panel

BYCQ140EGFB
Black auto cleaning panel

Designer panel in white and black

› New line of design panels hiding air intake grilles for a more stylized outlook
› With 360° air flow, wide flaps and optional intelligent sensors

White BYCQ140EP
White designer panel panel

BYCQ140EPB
Black designer panel

ROUND FLOW CASSETTE, BLACK DESIGNER PANEL

ROUND FLOW CASSETTE AUTO
CLEANING PANEL WITH FINE MESH FILTER

ROUND FLOW

SkyAir Alpha-series BLUEVOLUTION

High COP, round flow cassette

360° air discharge for optimum efficiency and comfort

- Combination with Sky Air Alpha-series ensures best in class quality, highest efficiency and performance
- High COP cassette ensures top performance and great energy savings
- Optional automatic filter cleaning panel results in higher efficiency & comfort and lower maintenance costs. 2 filters available: standard filter and finer mesh filter
- Two optional intelligent sensors improve energy efficiency and comfort
- Individual flap control: flexibility to suit every room layout without changing the location of the unit!
- Widest choice ever in decoration panels: designer panels in white (RAL9010) and black (RAL9005) and standard panels in white (RAL9010) with grey louvers or full white
- Bigger flaps and unique swing pattern improve equal air distribution
- 5 different fan speeds available for maximum comfort
- 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

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

Indoor unit				FCAHG	71H	100H	125H	140H	71H	100H	125H	140H
Dimensions	Unit	HeightxWidthxDepth		mm	288x840x840							
Weight	Unit			kg	25.0							
Air filter	Type				Resin net							
Decoration panel	Model				Standard panels: BYCQ140E - white with grey louvers / BYCQ140EW - full white / BYCQ140EB - black Auto cleaning panels: BYCQ140EGF - white / BYCQ140EGFB - black Designer panels: BYCQ140EP - white / BYCQ140EPB - black							
	Dimensions	HeightxWidthxDepth		mm	65x950x950x148x950x950x106x950x950							
	Weight			kg	5.5/10.3/6.5							
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				BRC1H519W7/S7/K7 / BRC1E53A/B/C / BRC1D52							
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220							

Outdoor unit				RZAG/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	952/15.9							
	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			

ROUND FLOW

SkyAir Alpha-series BLUEVOLUTION

Round flow cassette

360° air discharge for optimum efficiency and comfort

- Combination with Sky Air Alpha-series ensures best in class quality, highest efficiency and performance
- Optional automatic filter cleaning panel results in higher efficiency & comfort and lower maintenance costs. 2 filters available: standard filter and finer mesh filter
- Two optional intelligent sensors improve energy efficiency and comfort
- Individual flap control: flexibility to suit every room layout without changing the location of the unit!
- Lowest installation height in the market: 214mm for class 20-63
- Widest choice ever in decoration panels: designer panels in white (RAL9010) and black (RAL9005) and standard panels in white (RAL9010) with grey louvers or full white
- Bigger flaps and unique swing pattern improve equal air distribution
- 5 different fan speeds available for maximum comfort
- 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

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

Indoor unit				FCAG	35B	50B	60B	71B	100B	125B	140B
Dimensions	Unit	HeightxWidthxDepth		mm	204x840x840				246x840x840		
Weight	Unit			kg	18	19		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	65x950x950x148x950x950x106x950x950						
	Weight			kg	5.5/10.3/6.5						
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	
		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	
Sound power level	Cooling			dBA	49.0		51.0		54.0	58.0	
	Heating			dBA	49.0		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	
	Heating	Low/High		dBA	27.0/31.0		28.0/33.0		29.0/37.0	29.0/41.0	
Control systems	Infrared remote control				BRC7FA532F / BRC7FB532F / BRC7FA532FB / BRC7FB532FB						
	Wired remote control				BRC1H519W7/S7/K7 / BRC1E53A/B/C / BRC1D52						
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220						

Outdoor unit				RZAG	35A	50A	60A	71NV1	100NV1	125NV1	140NV1	71NY1	100NY1	125NY1	140NY1
Dimensions	Unit	HeightxWidthxDepth		mm	734x870x373			870x1,100x460							
Weight	Unit			kg	52			81	85	95		81	85	94	
Sound power level	Cooling			dBA	62.0	63.0	64.0		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										
	Heating	Ambient	Min.~Max.	°CWB	-20~24			-20~18							
Refrigerant	Type/GWP				R-32/675.0										
	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	64/9.50	64/12.7		952/15.9							
	Piping length	OU - IU	Max.	m	50			55	85			55	85		
		System	Equivalent	m	-			75	100			75	100		
			Chargeless	m	-			40							
	Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 30m)			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	16		20		32			16			

ROUND FLOW

SkyAir Advance-series BLUEVOLUTION

Round flow cassette

360° air discharge for optimum efficiency and comfort

- Combination with Sky Air Advance-series ensures good value for money for all types of commercial applications
- Optional automatic filter cleaning panel results in higher efficiency & comfort and lower maintenance costs.
- Two optional intelligent sensors improve energy efficiency and comfort
- Widest choice ever in decoration panels: designer panels in white (RAL9010) and black (RAL9005) and standard panels in white (RAL9010) with grey louvers or full white
- Bigger flaps and unique swing pattern improve equal air distribution
- Individual flap control: flexibility to suit every room layout without changing the location of the unit!
- 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

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

Indoor unit				FCAG	71B	100B	125B	140B	100B	125B	140B
Dimensions	Unit	HeightxWidthxDepth		mm	204x840x840	246x840x840					
Weight	Unit			kg	21	23					
Air filter	Type				Resin net						
Decoration panel	Model				Standard panels: BYCQ140E - white with grey louvers / BYCQ140EW - full white / BYCQ140EB - black Auto cleaning panels: BYCQ140EGF - white / BYCQ140EGFB - black Designer panels: BYCQ140EP - white / BYCQ140EPB - black						
	Dimensions	HeightxWidthxDepth		mm	65x950x950x148x950x950x106x950x950						
	Weight			kg	5.5/10.3/6.5						
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/High		dBA	28.0/35.0	29.0/37.0	29.0/41.0		29.0/37.0	29.0/41.0	
	Heating	Low/High		dBA	28.0/33.0	29.0/37.0	29.0/41.0		29.0/37.0	29.0/41.0	
Control systems	Infrared remote control				BRC7FA532F / BRC7FB532F / BRC7FA532FB / BRC7FB532FB						
	Wired remote control				BRC1H519W7/S7/K/ / BRC1E53A/B/B / BRC1D52						
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220						

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

ROUND FLOW

SkyAir Active-series BLUEVOLUTION

Round flow cassette

360° air discharge for optimum efficiency and comfort

- Ideal solution for small businesses and shops
- Optional automatic filter cleaning panel results in higher efficiency & comfort and lower maintenance costs. 2 filters available: standard filter and finer mesh filter
- 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
- 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

Efficiency data				FCAG	71B + ARXM71N9	100B + AZAS100MV1	125B +AZAS125MV1	140B +AZAS140MV1	100B + AZAS-100MY1	125B + AZAS-125MY1	140B + AZAS-140MY1
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+	-	
	Capacity		Pdesign	kW	6.80	9.50	12.1	13.0	9.50	12.1	13.0
	SEER				5.87	5.67	5.40	6.00	5.67	5.40	6.00
	ηs,c			%		-	213	237	-	213	237
	Annual energy consumption			kWh/a	405	586	1,345	1,300	586	1,345	1,300
Space heating (Average climate)	Energy efficiency class				A+	A	-		A	-	
	Capacity		Pdesign	kW	4.50	6.00		7.80	6.00		7.80
	SCOP/A				4.00	3.85	3.80	4.31	3.85	3.80	4.31
	ηs,h			%		-	149	169	-	149	169
	Annual energy consumption			kWh/a	1,573	2,182	2,211	2,534	2,182	2,211	2,534

Indoor unit				FCAG	71B	100B	125B	140B	100B	125B	140B
Dimensions	Unit	HeightxWidthxDepth		mm	204x840x840	246x840x840					
Weight	Unit			kg	21	23					
Air filter	Type				Resin net	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	65x950x950x148x950x950x106x950x950						
	Weight			kg	5.5/10.3/6.5						
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/High		dBA	28.0/35.0	29.0/37.0	29.0/41.0		29.0/37.0	29.0/41.0	
	Heating	Low/High		dBA	28.0/33.0	29.0/37.0	29.0/41.0		29.0/37.0	29.0/41.0	
Control systems	Infrared remote control				BRC7FA532F / BRC7FB532F / BRC7FA532FB / BRC7FB532FB						
	Wired remote control				BRC1H519W7/S7/K/ / BRC1E53A/B/B / BRC1D52						
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220						

Outdoor unit					ARXM71N9	AZAS100MV1	AZAS125MV1	AZAS140MV1	AZAS100MY1	AZAS125MY1	AZAS140MY1
Dimensions	Unit	HeightxWidthxDepth		mm	734x870x373	990x940x320					
Weight	Unit			kg	50.0	70		78	70		77
Sound power level	Cooling			dBA	65	70	71	73	70	71	73
	Heating			dBA	65	-	71	73	-	71	73
Sound pressure level	Cooling	Nom.		dBA	52	53		54	53		54
	Heating	Nom.		dBA	52	57					
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~46	-5~46					
	Heating	Ambient	Min.~Max.	°CWB	-15~18	-15~15.5					
Refrigerant	Type/GWP				R-32/675						
	Charge			kg/TCO2Eq	1.15/0.78	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		

Round flow cassette

360° air discharge for optimum efficiency and comfort

- Combinaiton 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. 2 filters available: standard filter and finer mesh filter
- 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!
- 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

Efficiency data				FCAG + RXM	35B + 35N9	50B + 50N9	60B + 60N9
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++		
	Capacity		Pdesign	kW	3.50	5.00	5.70
	SEER				6.35	6.54	6.40
	ηs,c			%	-		
	Annual energy consumption			kWh/a	193	266	312
Space heating (Average climate)	Energy efficiency class				A++	A+	
	Capacity		Pdesign	kW	3.32	4.36	4.71
	SCOP/A				4.90	4.30	4.20
	ηs,h			%	-		
	Annual energy consumption			kWh/a	948	1,419	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	65x950x950x148x950x950x106x950x950		
	Weight			kg	5.5/10.3/6.5		
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		51.0
	Heating			dBA	49.0		51.0
Sound pressure level	Cooling	Low/High		dBA	27.0/31.0		28.0/33.0
	Heating	Low/High		dBA	27.0/31.0		28.0/33.0
Control systems	Infrared remote control				BRC7FA532F / BRC7FB532F / BRC7FA532FB / BRC7FB532FB		
	Wired remote control				BRC1H519W7/S7/K/ / BRC1E53A/B/B / BRC1D52		
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220		

Outdoor unit				RXM	35N9	50N9	60N9
Dimensions	Unit	HeightxWidthxDepth		mm	550x765x285	734x870x373	
Weight	Unit			kg	32	50	
Sound power level	Cooling			dBA	61	62	63
	Heating			dBA	61	62	63
Sound pressure level	Cooling	Nom.		dBA	49	48	
	Heating	Nom.		dBA	49		
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~50		
	Heating	Ambient	Min.~Max.	°CWB	-20~24		
Refrigerant	Type				R-32		
	GWP				675		
	Charge			kg/TCO2Eq	0.76/0.52	1.15/0.78	
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	
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240		
Current - 50Hz	Maximum fuse amps (MFA)			A	-		

Fully Flat Cassette

Design & Genius in one

Why choose fully flat cassette

- Unique design in the market that integrates fully flat into the ceiling
- Advanced technology and top efficiency combined
- Most quiet cassette available on the market

FFA-A9 / FXZQ-A

Choice between grey or white panel

universal design award 2014

GERMAN DESIGN AWARD SPECIAL 2016

Benefits for the installer

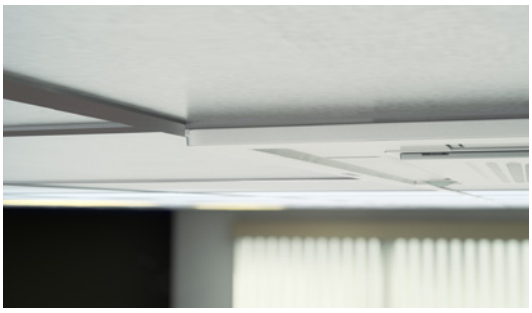
› Unique product in the market!
› Most quiet unit (25dBA)
› The user-friendly remote control, available in several languages, enables the easy set-up of sensor option and control of the individual flap position
› Meeting European design taste.

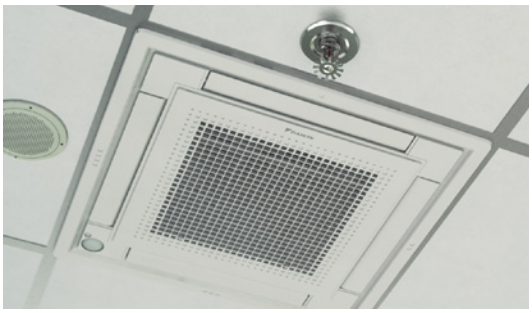
Benefits for the consultant

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

Benefits for the end user

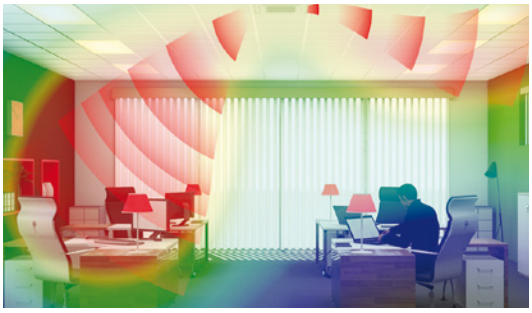
› Engineering excellence and unique design in one
› Most quiet unit (25dBA)
› Perfect working conditions: no more cold draughts
› Save up to 27% on your energy bill thanks to the optional sensors
› Flexible usage of space and suits any room configuration thanks to individual flap control
› User-friendly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





Unique design

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



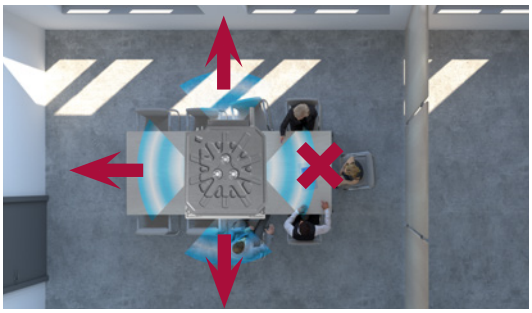
Differentiating in technology

Optional presence sensor

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

Optional floor sensor

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



Top efficiency

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

* for FFA25,35A9 in combination with RXM25,35M9

Other benefits

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

Marketing tools

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

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

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

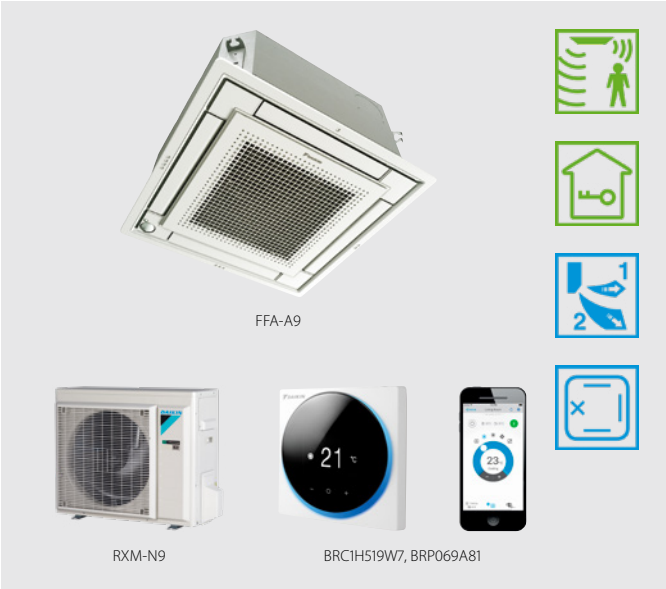
Indoor unit				FFA	35A9	50A9	60A9
Dimensions	Unit	HeightxWidthxDepth		mm	260x575x575		
Weight	Unit			kg	16.0	17.5	
Air filter	Type				Resin net		
Decoration panel	Model				BYFQ60C2W1W / BYFQ60C2W1S / BYFQ60B2W1 / BYFQ60B3W1		
	Colour				White (N9.5)/SILVER/White (RAL9010)/WHITE (RAL9010)		
	Dimensions	HeightxWidthxDepth		mm	46x620x620x46x620x620x55x700x700x55x700x700		
	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/High		dBA	25.0/34.0	27.0/39.0	32.0/43.0
	Heating	Low/High		dBA	25.0/34.0	27.0/39.0	32.0/43.0
Control systems	Infrared remote control				BRC7EB530W (standard panel) / BRC7F530W (white panel) / BRC7F530S (grey panel)		
	Wired remote control				BRC1H519W7/S7/K7 / BRC1E53A/B/C / BRC1D52		
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240		

Outdoor unit				RZAG	35A	50A	60A
Dimensions	Unit	HeightxWidthxDepth		mm	734x870x373		
Weight	Unit			kg	52		
Sound power level	Cooling			dBA	62.0	63.0	64.0
	Heating			dBA	62.0	63.0	64.0
Sound pressure level	Cooling	Nom.		dBA	48.0	49.0	50.0
	Heating	Nom.		dBA	48.0	49.0	50.0
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-20~52		
	Heating	Ambient	Min.~Max.	°CWB	-20~24		
Refrigerant	Type/GWP				R-32/675.0		
	Charge			kg/TCO2Eq	1.55/1.05		
Piping connections	Liquid/Gas	OD		mm	6.35/9.52	6.35/12.7	
	Piping length	OU - IU	Max.	m	50		
		System	Equivalent	m	-		
			Chargeless	m	-		
	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		
Current - 50Hz	Maximum fuse amps (MFA)			A	-		

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
- 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



Efficiency data				FFA + RXM	25A9 + 25N9	35A9 + 35N9	50A9 + 50N9	60A9 + 60N9
Cooling capacity	Nom.			kW	2.50	3.40	5.00	5.70
Heating capacity	Nom.			kW	3.20	4.20	5.80	7.00
Space cooling	Energy efficiency class				A++		A+	
	Capacity		Pdesign	kW	2.50	3.40	5.00	5.70
	SEER				6.17	6.38	5.98	5.76
	ηs,c			%	-			
	Annual energy consumption			kWh/a	142	186	292	347
Space heating (Average climate)	Energy efficiency class				A+		A	A+
	Capacity		Pdesign	kW	2.31	3.10	3.84	3.96
	SCOP/A				4.24	4.10	3.90	4.04
	ηs,h			%	-			
	Annual energy consumption			kWh/a	762	1,058	1,377	1,372

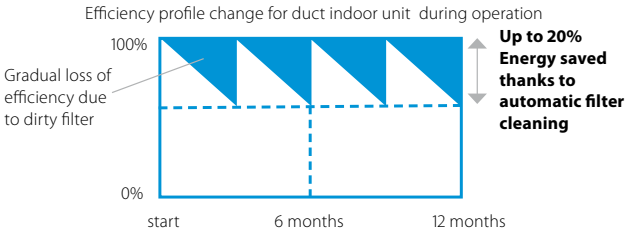
Indoor unit				FFA	25A9	35A9	50A9	60A9
Dimensions	Unit	HeightxWidthxDepth		mm	260x575x575			
Weight	Unit			kg	16.0		17.5	
Air filter	Type				Resin net			
Decoration panel	Model				BYFQ60C2W1W / BYFQ60C2W1S / BYFQ60B2W1 / BYFQ60B3W1			
	Colour				White (N9.5)/SILVER/White (RAL9010)/WHITE (RAL9010)			
	Dimensions	HeightxWidthxDepth		mm	46x620x620x46x620x620x55x700x700x55x700x700			
	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/High		dBA	25.0/31.0	25.0/34.0	27.0/39.0	32.0/43.0
	Heating	Low/High		dBA	25.0/31.0	25.0/34.0	27.0/39.0	32.0/43.0
Control systems	Infrared remote control				BRC7EB530W (standard panel) / BRC7F530W (white panel) / BRC7F530S (grey panel)			
	Wired remote control				BRC1H519W7/S7/K7 / BRC1E53A/B/C / BRC1D52			
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240			

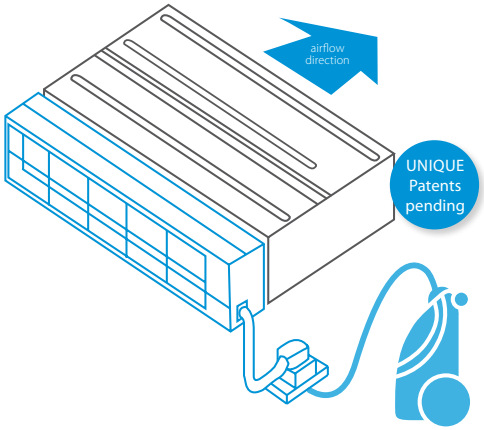
Outdoor unit				RXM	25N9	35N9	50N9	60N9
Dimensions	Unit	HeightxWidthxDepth		mm	550x765x285		734x870x373	
Weight	Unit			kg	32		50	
Sound power level	Cooling			dBA	58	61	62	63
	Heating			dBA	59	61	62	63
Sound pressure level	Cooling	Nom.		dBA	46	49	48	
	Heating	Nom.		dBA	47	49		
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~50			
	Heating	Ambient	Min.~Max.	°CWB	-20~24			
Refrigerant	Type				R-32			
	GWP				675			
	Charge			kg/TCO2Eq	0.76/0.52		1.15/0.78	
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	
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240			
Current - 50Hz	Maximum fuse amps (MFA)			A	-			

Auto cleaning filter
for concealed ceiling units

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

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





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

Improved indoor air quality
› Optimum airflow eliminates draft and insulates sound

Superb reliability
› Prevents clogged filters for seamless operation

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

How does it work?

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

YouTube
www.youtube.com/DaikinEurope

Combination table

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

Specifications

	BAE20A62	BAE20A82	BAE20A102
Heigth (mm)	212		
Width (mm)	764	964	1164
Width (mm) (incl. hanger bracket)	984	1094	1294
Depth (mm)	201		

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.

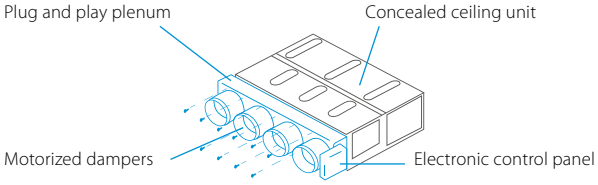
Benefits

Increased comfort

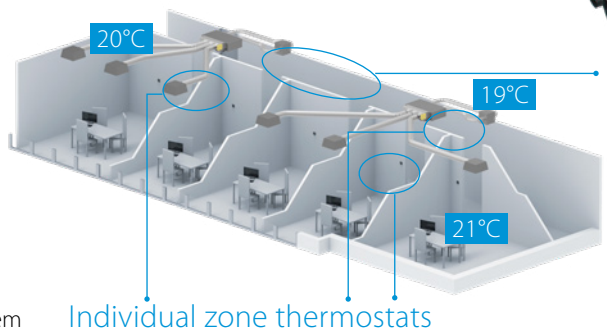
› Increases comfort levels by allowing more individual zone control
- Up to 8 individual zones can be served thanks to separate modulating dampers
- Individual thermostat for room-by-room or zone-by-zone control

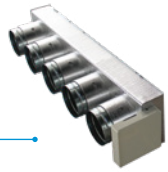
Easy to install

› 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

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

AZCE6BLUEFACECB (Wired)

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

AZCE6THINKCB (Wired)
AZCE6THINKRB (Wireless) NEW

Airzone Zone Thermostat
› Thermostat with buttons for controlling the temperature

AZCE6LITECB (Wired)
AZCE6LITERB (Wireless) NEW

Compatibility

	Number of motorised dampers	Reference	Dimensions H x W x D (mm)	SkyAir FDXM-F9 25	35	50	60	FBA-A(9) 35	50	60	71	100	125	140	ADEA-A 71	100	125	VRV FXDA-A/FXDQ-A3 15	20	25	32	40	50	63	FXSA-A/FXSQ-A 15	20	25	32	40	50	63	71	80	100	125	140
Standard Ceiling Void	2	AZEZ6DAIST07XS2	300 x 930 x 454																						•	•	•	•								
		AZEZ6DAIST07S2						•	•																				•	•						
	3	AZEZ6DAIST07XS3	300 x 930 x 454																						•	•	•	•								
		AZEZ6DAIST07S3						•	•																				•	•						
	4	AZEZ6DAIST07S4	300 x 930 x 454					•	•																				•	•						
		AZEZ6DAIST07M4	300 x 1,140 x 454							•	•				•																•		•			
	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	515 x 1,425 x 454									•	•	•		•	•																	•	•	
		AZEZ6DAIST07XL8																																		•
Compact Ceiling Void	2	AZEZ6DAISL01S2	210 x 720 x 444	•	•													•	•	•	•															
	3	AZEZ6DAISL01S3	210 x 720 x 444	•	•													•	•	•	•															
	4	AZEZ6DAISL01M4	210 x 930 x 444																			•	•													
	5	AZEZ6DAISL01L5	210 x 1,140 x 444			•	•																	•												

For more information on options refer to page 112

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
- Online controller (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

Efficiency data				FDXM + RZAG	35F9 + 35A	50F9 + 50A	60F9 + 60A
Cooling capacity	Min./Nom./Max.			kW	1.6/3.5/4.5	1.7/5.0/6.0	1.7/6.0/6.5
Heating capacity	Min./Nom./Max.			kW	1.40/4.00/5.00	1.70/5.00/6.00	1.70/7.00/7.50
Space cooling	Energy efficiency class				A+		
	Capacity		Pdesign	kW	3.50	5.00	6.00
	SEER				5.90		5.70
	ηs,c			%	-		
	Annual energy consumption			kWh/a	208	296	368
Space heating (Average climate)	Energy efficiency class				A		
	Capacity		Pdesign	kW	3.50	4.30	4.50
	SCOP/A				3.90		
	ηs,h			%	-		
	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				BRC1H519W7/S7/K7 / BRC1E53A/B/C / BRC1D52		

Outdoor unit				RZAG	35A	50A	60A
Dimensions	Unit	HeightxWidthxDepth		mm	734x870x373		
Weight	Unit			kg	52		
Sound power level	Cooling			dBA	62.0	63.0	64.0
	Heating			dBA	62.0	63.0	64.0
Sound pressure level	Cooling	Nom.		dBA	48.0	49.0	50.0
	Heating	Nom.		dBA	48.0	49.0	50.0
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-20~52		
	Heating	Ambient	Min.~Max.	°CWB	-20~24		
Refrigerant	Type/GWP				R-32/675.0		
	Charge			kg/TCO2Eq	1.55/1.05		
Piping connections	Liquid/Gas	OD		mm	64/9.50	64/12.7	
	Piping length	OU - IU	Max.	m	50		
		System	Equivalent	m	-		
			Chargeless	m	-		
	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		
Current - 50Hz	Maximum fuse amps (MFA)			A	-		

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
- Online controller (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

Efficiency data				FDXM + RXM	25F9 + 25N9	35F9 + 35N9	50F9 + 50N9	60F9 + 60N9
Cooling capacity	Min./Nom./Max.			kW	1.30/2.40/3.00	1.40/3.40/3.80	1.70/5.00/5.30	1.70/6.00/6.50
Heating capacity	Min./Nom./Max.			kW	1.30/3.20/4.50	1.40/4.00/5.00	1.70/5.80/6.00	1.70/7.00/7.10
Space cooling	Energy efficiency class				A+	A	A+	A
	Capacity		Pdesign	kW	2.40	3.40	5.00	6.00
	SEER				5.68	5.26	5.77	5.56
	ηs,c			%	-			
	Annual energy consumption			kWh/a	148	226	303	378
Space heating (Average climate)	Energy efficiency class				A+	A		
	Capacity		Pdesign	kW	2.60	2.90	4.00	4.60
	SCOP/A				4.24	3.88	3.93	3.80
	ηs,h			%	-			
	Annual energy consumption			kWh/a	858	1,046	1,424	1,693

Indoor unit				FDXM	25F9	35F9	50F9	60F9
Dimensions	Unit	HeightxWidthxDepth		mm	200x750x620		200x1,150x620	
Weight	Unit			kg	21		28	
Air filter	Type				Removable / washable			
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min	7.3/8.0/8.7		13.3/14.6/15.8	13.5/14.8/16.0
		Heating	Low/Medium/High	m^3/min	7.3/8.0/8.7		13.3/14.6/15.8	13.5/14.8/16.0
	External static pressure	Nom.		Pa	30		40	
Sound power level	Cooling			dBA	53.0		55.0	56.0
	Heating			dBA	53.0		55.0	56.0
Sound pressure level	Cooling	Low/High		dBA	27.0/35.0		30.0/38.0	
	Heating	Low/High		dBA	27.0/35.0		30.0/38.0	
Control systems	Infrared remote control				BRC4C65			
	Wired remote control				BRC1H519W7/S7/K7 / BRC1E53A/B/C / BRC1D52			

Outdoor unit				RXM	25N9	35N9	50N9	60N9
Dimensions	Unit	HeightxWidthxDepth		mm	550x765x285		734x870x373	
Weight	Unit			kg	32		50	
Sound power level	Cooling			dBA	58	61	62	63
	Heating			dBA	59	61	62	63
Sound pressure level	Cooling	Nom.		dBA	46	49	48	
	Heating	Nom.		dBA	47	49		
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~50			
	Heating	Ambient	Min.~Max.	°CWB	-20~24			
Refrigerant	Type				R-32			
	GWP				675			
	Charge			kg/TCO2Eq	0.76/0.52		1.15/0.78	
Piping connections	Liquid	OD		mm	635		64	
	Gas	OD		mm	9.50		12.7	
	Piping length	OU - IU	Max.	m	20		30	
		System	Chargeless	m	10		-	
	Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 10m)			
	Level difference	IU - OU	Max.	m	15		20	
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240			
Current - 50Hz	Maximum fuse amps (MFA)			A	-			

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

with multi zoning option

Efficiency data			FBA + RZAG	35A9 + 35A	50A9 + 50A	60A9 + 60A	71A9 + 71NV1	100A + 100NV1	125A + 125NV1	140A + 140NV1	71A9 + 71NY1	100A + 100NY1	125A + 125NY1	140A + 140NY1
Cooling capacity	Min./Nom./Max.		kW	1.6/3.5/5.0	1.7/5.0/6.0	1.7/6.0/7.0	-/6.80/-	-/9.50/-	-/12.1/-	-/13.4/-	-/6.80/-	-/9.50/-	-/12.1/-	-/13.4/-
Heating capacity	Min./Nom./Max.		kW	1.40/4.00/5.00	1.70/6.00/6.00	1.70/7.00/7.50	-/7.50/-	-/10.8/-	-/13.5/-	-/15.5/-	-/7.50/-	-/10.8/-	-/13.5/-	-/15.5/-
Space cooling	Energy efficiency class			A++					-		A++		-	
	Capacity	Pdesign	kW	3.50	5.00	6.00	6.80	9.50	12.1	13.4	6.80	9.50	12.1	13.4
	SEER			6.12	6.30	6.15	6.22	6.47	6.19	6.42	6.22	6.47	6.19	6.42
	ηs,c		%	-					245	254	-		245	254
	Annual energy consumption		kWh/a	200	278	341	382	514	1,173	1,252	382	514	1,173	1,252
Space heating (Average climate)	Energy efficiency class			A+					-		A+		-	
	Capacity	Pdesign	kW	4.20	4.30	4.50	4.70	7.80	9.52		4.70	7.80	9.52	
	SCOP/A			4.10			4.20	4.36	4.12	4.11	4.20	4.36	4.12	4.11
	ηs,h		%	-					162	161	-		162	161
	Annual energy consumption		kWh/a	1,434	1,469	1,537	1,566	2,505	3,235	3,243	1,566	2,505	3,235	3,243

Indoor unit				FBA	35A9	50A9	60A9	71A9	100A	125A	140A
Dimensions	Unit	HeightxWidthxDepth		mm	245x700x800		245x1,000x800		245x1,400x800		
Weight	Unit			kg	28.0		35.0		46.0		
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		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	
	External static pressure	Nom./High		Pa	30/150				40/150	50/150	
Sound power level	Cooling			dBA	60.0		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	
	Heating	Low/High		dBA	29.0/37.0		25.0/31.0		30.0/36.0	32.0/38.0	
Control systems	Infrared remote control				BRC4C65 / BRC4C66						
	Wired remote control				BRC1H519W7/S7/K7 / BRC1E53A/B/C / BRC1D52						
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220						

Outdoor unit				RZAG	35A	50A	60A	71NV1	100NV1	125NV1	140NV1	71NY1	100NY1	125NY1	140NY1
Dimensions	Unit	HeightxWidthxDepth		mm	734x870x373			870x1,100x460							
Weight	Unit			kg	52			81	85	95		81	85	94	
Sound power level	Cooling			dBA	62.0	63.0	64.0		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										
	Heating	Ambient	Min.~Max.	°CWB	-20~24			-20~18							
Refrigerant	Type/GWP				R-32/675.0										
	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	64/9.50	64/12.7		952/15.9							
	Piping length	OU - IU	Max.	m	50			55	85			55	85		
		System	Equivalent	m	-			75	100			75	100		
			Chargeless	m	-			40							
	Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 30m)			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	16		20		32			16			

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

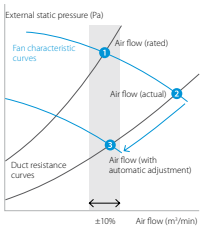
with multi zoning option

Optimised supply air volume

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

Why?

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



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

Indoor unit				FBA	71A9	100A	125A	140A	100A	125A	140A
Dimensions	Unit	HeightxWidthxDepth		mm	245x1,000x800	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		23.0/26.0/29.0	23.5/29.0/34.0	
		Heating	Low/Medium/High	m³/min	12.5/15.0/18.0	23.0/26.0/29.0	23.5/29.0/34.0		23.0/26.0/29.0	23.5/29.0/34.0	
	External static pressure	Nom./High		Pa	30/150	40/150	50/150		40/150	50/150	
Sound power level	Cooling			dBA	56.0	58.0	62.0		58.0	62.0	
Sound pressure level	Cooling	Low/High		dBA	25.0/30.0	30.0/34.0	32.0/37.0		30.0/34.0	32.0/37.0	
	Heating	Low/High		dBA	25.0/31.0	30.0/36.0	32.0/38.0		30.0/36.0	32.0/38.0	
Control systems	Infrared remote control				BRC4C65 / BRC4C66						
	Wired remote control				BRC1H519W7/S7/K7 / BRC1E53A/B/C / BRC1D52						
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220						

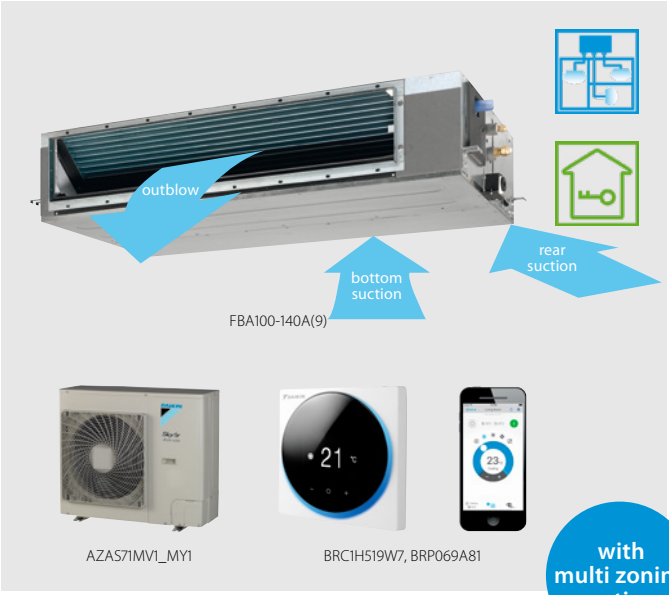
Outdoor unit				RZASG/RZASG	71MV1	100MV1	125MV1	140MV1	100MY1	125MY1	140MY1
Dimensions	Unit	HeightxWidthxDepth		mm	770x900x320	990x940x320					
Weight	Unit			kg	60	70		78	70		77
Sound power level	Cooling			dBA	65	70	71	73	70	71	73
	Heating			dBA	-		71	73	-	71	73
Sound pressure level	Cooling	Nom.		dBA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

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



with multi zoning option

Efficiency data				FBA	71A9 / ARXM71N9	100A + AZAS100MV1	125A + AZAS125MV1	140A + AZAS140MV1	100A + AZAS-100MY1	125A + AZAS-125MY1	140A + AZAS-140MY1
Cooling capacity	Nom.			kW	6.80	9.50	12.1	13.4	9.50	12.1	13.4
Heating capacity	Nom.			kW	7.50	10.8	13.5	15.5	10.8	13.5	15.5
Space cooling	Energy efficiency class				A		-		A	-	
	Capacity		Pdesign	kW	6.80	9.50	12.1	13.0	9.50	12.1	13.0
	SEER				5.57	5.25	4.85	5.50	5.25	4.85	5.50
	ηs,c			%	-		191	217	-	191	217
	Annual energy consumption			kWh/a	427	633	1,497	1,418	633	1,497	1,418
Space heating (Average climate)	Energy efficiency class				A		-		A	-	
	Capacity		Pdesign	kW	4.50	6.00		7.80	6.00		7.80
	SCOP/A				3.81		3.55	3.85	3.81	3.55	3.85
	ηs,h			%	-		139	151	-	139	151
	Annual energy consumption			kWh/a	1,652	2,205	2,366	2,836	2,205	2,366	2,836

Indoor unit				FBA	71A9	100A	125A	140A	100A	125A	140A
Dimensions	Unit	HeightxWidthxDepth		mm	245x1,000x800	245x1,400x800					
Weight	Unit			kg	35.0	46.0					
Air filter	Type				Resin net						
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min	12.5/15.0/18.0	23.0/26.0/29.0	23.5/29.0/34.0		23.0/26.0/29.0	23.5/29.0/34.0	
		Heating	Low/Medium/High	m^3/min	12.5/15.0/18.0	23.0/26.0/29.0	23.5/29.0/34.0		23.0/26.0/29.0	23.5/29.0/34.0	
	External static pressure	Nom./High		Pa	30/150	40/150	50/150		40/150	50/150	
Sound power level	Cooling			dBA	56.0	58.0	62.0		58.0	62.0	
Sound pressure level	Cooling	Low/High		dBA	25.0/30.0	30.0/34.0	32.0/37.0		30.0/34.0	32.0/37.0	
	Heating	Low/High		dBA	25.0/31.0	30.0/36.0	32.0/38.0		30.0/36.0	32.0/38.0	
Control systems	Infrared remote control				BRC4C65 / BRC4C66						
	Wired remote control				BRC1H519W7/S7/K7 / BRC1E53A/B/C / BRC1D52						
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220						

Outdoor unit					ARXM71N9	AZAS100MV1	AZAS125MV1	AZAS140MV1	AZAS100MY1	AZAS125MY1	AZAS140MY1
Dimensions	Unit	HeightxWidthxDepth		mm	734x870x373	990x940x320					
Weight	Unit			kg	50.0	70		78	70		77
Sound power level	Cooling			dBA	65	70	71	73	70	71	73
	Heating			dBA	65	-	71	73	-	71	73
Sound pressure level	Cooling	Nom.		dBA	52	53		54	53		54
	Heating	Nom.		dBA	52	57					
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~46	-5~46					
	Heating	Ambient	Min.~Max.	°CWB	-15~18	-15~15.5					
Refrigerant	Type/GWP				R-32/675						
	Charge			kg/TCO2Eq	1.15/0.78	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	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		

Concealed ceiling unit with medium ESP

Slimmest yet most powerful medium static pressure unit on the market

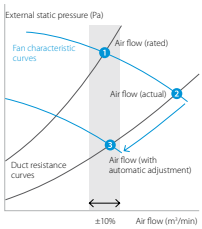
- Combination with split outdoor units is ideal for small retail, offices and residential applications
- Slimmest unit in class, only 245mm (300mm built-in height) and therefore narrow ceiling voids are no longer a challenge
- Low operation sound level down to 25dBA
- Medium external static pressure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

Optimised supply air volume

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

Why?

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



Efficiency data				FBA + RXM	35A9 + 35N9	50A9 + 50N9	60A9 + 60N9
Cooling capacity	Nom.			kW	3.40	5.00	5.70
Heating capacity	Nom.			kW	4.00	5.50	7.00
Space cooling	Energy efficiency class				A++		A+
	Capacity	Pdesign		kW	3.40	5.00	5.70
	SEER				6.23	6.27	5.91
	ηs,c			%	-		
	Annual energy consumption			kWh/a	191	279	337
Space heating (Average climate)	Energy efficiency class				A+		
	Capacity	Pdesign		kW	2.90	4.40	4.60
	SCOP/A				4.07	4.06	4.01
	ηs,h			%	-		
	Annual energy consumption			kWh/a	996	1,517	1,607

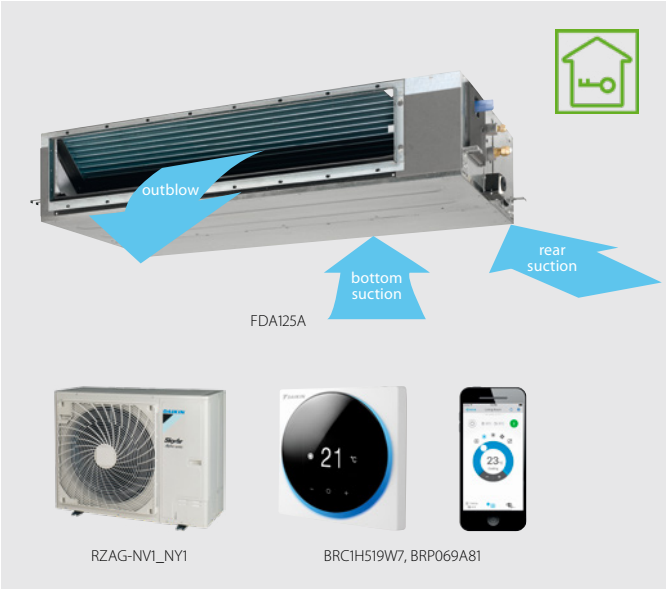
Indoor unit				FBA	35A9	50A9	60A9
Dimensions	Unit	HeightxWidthxDepth		mm	245x700x800		245x1,000x800
Weight	Unit			kg	28.0		35.0
Air filter	Type				Resin net		
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min	10.5/12.5/15.0		12.5/15.0/18.0
		Heating	Low/Medium/High	m^3/min	10.5/12.5/15.0		12.5/15.0/18.0
	External static pressure	Nom./High		Pa	30/150		
Sound power level	Cooling			dBA	60.0		56.0
Sound pressure level	Cooling	Low/High		dBA	29.0/35.0		25.0/30.0
	Heating	Low/High		dBA	29.0/37.0		25.0/31.0
Control systems	Infrared remote control				BRC4C65 / BRC4C66		
	Wired remote control				BRC1H519W7/S7/K7 / BRC1E53A/B/C / BRC1D52		
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220		

Outdoor unit				RXM	35N9	50N9	60N9
Dimensions	Unit	HeightxWidthxDepth		mm	550x765x285	734x870x373	
Weight	Unit			kg	32	50	
Sound power level	Cooling			dBA	61	62	63
	Heating			dBA	61	62	63
Sound pressure level	Cooling	Nom.		dBA	49	48	
	Heating	Nom.		dBA	49		
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~50		
	Heating	Ambient	Min.~Max.	°CWB	-20~24		
Refrigerant	Type				R-32		
	GWP				675		
	Charge			kg/TCO2Eq	0.76/0.52	1.15/0.78	
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	
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240		
Current - 50Hz	Maximum fuse amps (MFA)			A	-		

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
- Built-in drain pump (625mm) increases the flexibility and installation speed (standard for FDA125, optional for FDA200-250)
- Standard supplied suction filter simplifies installation
- Up to 26.4kW in heating mode



					Sky Air Alpha-series		Sky Air Advance-series	
Efficiency data				**FDA + RZAG**	**125A + 125NV1**	**125A + 125NY1**	**125A + 125MV1**	**125A + 125MY1**
Cooling capacity	Nom.			kW	12.1			
Heating capacity	Nom.			kW	13.5			
Space cooling	Energy efficiency class				-			
	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)	Energy efficiency class				-			
	Capacity		Pdesign	kW	9.52		6.00	
	SCOP/A				4.08		3.58	
	ηs,h			%	160		140	
	Annual energy consumption			kWh/a	3,267		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				BRC1H519W7/S7/K7 / BRC1E53A/B/C / BRC1D52			
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220			
Outdoor unit					**RZAG125NV1**	**RZAG125NY1**	**RZASG125MV1**	**RZASG125MY1**
Dimensions	Unit	HeightxWidthxDepth		mm	870x1,100x460		990x940x320	
Weight	Unit			kg	95	94	70	
Sound power level	Cooling			dBA	69		71	
	Heating			dBA	68		71	
Sound pressure level	Cooling	Nom.		dBA	49		53	
	Heating	Nom.		dBA	52		57	
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-20~52		-15~46	
	Heating	Ambient	Min.~Max.	°CWB	-20~18		-15~15.5	
Refrigerant	Type/GWP				R-32/675			
	Charge			kg/TCO2Eq	3.70/2.50		2.60/1.76	
Piping connections	Liquid/Gas	OD		mm	952/15.9		9.52/15.9	
	Piping length	OU - IU	Max.	m	85		50	
		System	Equivalent	m	100		70	
			Chargeless	m	40		30	
	Additional refrigerant charge			kg/m	See installation manual			
	Level difference	IU - OU	Max.	m	30			
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

Concealed ceiling unit with high ESP

ESP up to 250 Pa, ideal for large sized spaces

- High external static pressure up to 250 Pa 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 wall: only the suction and discharge grilles are visible
- Optional drain pump
- Standard supplied suction filter simplifies installation
- Up to 27.6kW in heating mode

Set					FDA200A / RZA200D	FDA250A / RZA250D
Cooling capacity	Nom.			kW	19.0	22.0
Heating capacity	Nom.			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				3.59	3.55
	ηs,h			%	141	139
	Annual energy consumption			kWh/a	4,368	4,765

Indoor unit				FDA	200A	250A
Cooling capacity	Total capacity	Nom.		kW	19	22
Heating capacity	Total capacity	Nom.		kW	22.4	24
Power input - 50Hz	Cooling	Nom.		kW	0.32	0.4
	Heating	Nom.		kW	0.32	0.4
Dimensions	Unit	HeightxWidthxDepth		mm	470x1,490x1,100	
Weight	Unit			kg	104	115
Casing	Material				Galvanised steel plate	
Fan	Air flow rate	Cooling	Low/High	m^3/min	36 / 64	43 / 69
		Heating	Low/High	m^3/min	36 / 64	43 / 69
	External static pressure	Nom./High		Pa	62 / 250	
Air filter	Type				Resin net	
Sound power level	Cooling			dBA	69	71
Sound pressure level	Cooling	Low / Med. / High		dBA	36 / 39 / 43	37 / 40 / 44
	Heating	Low / Med. / High		dBA	36 / 39 / 43	37 / 40 / 44
Refrigerant	Type				R-32/R-410A	
Piping connections	Liquid	OD		mm	9.52	
	Gas	OD		mm	19.1	22.2
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50/60 / 220-240/220	
Control systems	Infrared remote control				BRC4C65	
	Wired remote control				BRC1H519W7/S7/K7 / BRC1E53A/B/C / BRC1D52	

Outdoor unit					RZA200D	RZA250D
Dimensions	Unit	HeightxWidthxDepth		mm	870x1,100x460	
Weight	Unit			kg	120	
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/TCO_2Eq	5.0/3.38	
Piping connections	Liquid/Gas	OD		mm	9.52/22.2	
	Piping length	OU - IU	Max.	m	100	
			Chargeless	m	30	
	Additional refrigerant charge			kg/m	See installation manual	
	Level difference	IU - OU	Max.	m	30	
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/380-415	
Current - 50Hz	Maximum fuse amps (MFA)			A	25	

(1) MFA is used to select the circuit breaker and the ground fault circuit interrupter (earth leakage circuit breaker). For more detailed information on each combination, please refer to the electrical data drawing.

SkyAir Active-series BLUEVOLUTION

Concealed ceiling unit with medium ESP

Ideal for residential applications with false ceilings

- Combination with split outdoor units is ideal for small retail, offices or residential applications
- Slimmest unit in class, only 245mm (300mm built-in height) and therefore narrow ceiling voids are no longer a challenge
- Low operation sound level down to 25dBA
- Medium external static pressure up to 150Pa facilitates using flexible ducts of varying lengths
- Possibility to change ESP via wired remote control allows optimisation of the supply air volume
- Discretely concealed in the ceiling: only the suction and discharge grilles are visible
- Multi zoning kit allows multiple individually-controlled climate zones to be served by one indoor unit
- Standard drain pump

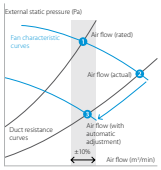
with multi zoning option

Optimised supply air volume

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

Why?

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



Efficiency data				ADEA	71A + ARXM71N9	100A + AZAS100MV1	125A + AZAS125MV1
Cooling capacity	Nom.			kW	6.80	9.50	12.10
Heating capacity	Nom.			kW	7.50	10.80	13.50
Power input	Cooling		Nom.	kW	2.31	-	
	Heating		Nom.	kW	2.15	-	
Space cooling	Energy efficiency class				A		-
	Capacity		Pdesign	kW	6.80	9.50	12.10
	SEER				5.35	5.13	4.73
	ηs,c			%	-		186
	Annual energy consumption			kWh/a	445	648	1,534
Space heating (Average climate)	Energy efficiency class				A		-
	Capacity		Pdesign	kW	6.00		
	SCOP/A				3.80	3.81	3.50
	ηs,h			%	-		137
	Annual energy consumption			kWh/a	2,209	2,206	2,399

Indoor unit				ADEA	71A	100A	125A
Dimensions	Unit	HeightxWidthxDepth		mm	245x1,000x800	245x1,400x800	
Weight	Unit			kg	35.0	46.0	
Air filter	Type				Resin net		
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min	12.5/15.0/18.0	23.0/26.0/29.0	23.5/29.0/34.0
		Heating	Low/Medium/High	m^3/min	12.5/15.0/18.0	23.0/26.0/29.0	23.5/29.0/34.0
	External static pressure	Nom./High		Pa	30/150	40/150	50/150
Sound power level	Cooling			dBA	56	58	62
Sound pressure level	Cooling	Low/High		dBA	25/30	30/34	32/37
	Heating	Low/High		dBA	25/31	30/36	32/38
Control systems	Infrared remote control				BRC4C65 / BRC4C66		
	Wired remote control				BRC1H519W7/S7/K7 / BRC1E53A/B/C / BRC1D52		
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240/220		

Outdoor unit					ARXM71N9	AZAS100MV1	AZAS125MV1
Dimensions	Unit	HeightxWidthxDepth		mm	734x870x373	990x940x320	
Weight	Unit			kg	50.0	70	
Sound power level	Cooling			dBA	65	70	71
	Heating			dBA	65	-	71
Sound pressure level	Cooling	Nom.		dBA	52	53	
	Heating	Nom.		dBA	52	57	
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~46	-5~46	
	Heating	Ambient	Min.~Max.	°CWB	-15~18	-15~15.5	
Refrigerant	Type/ GWP				R-32/675	R-32/675	
	Charge			kg/TCO2Eq	1.15/0.78	2.60/1.76	
Piping connections	Liquid/ Gas	OD		mm	9.52/15.9		
	Piping length	OU - IU	Max.	m	30	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	30.0	
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240	1~/50/220-240	
Current - 50Hz	Maximum fuse amps (MFA)			A	-	25	32

SkyAir Alpha-series
BLUEVOLUTION

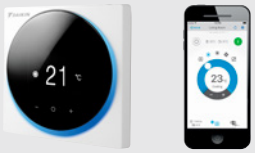
Wall mounted unit

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

FAA100A

RZAG-NV1_NY1



BRC1H519W7, BRP069A81

Efficiency data				FAA + RZAG	71A + 71NV1	100A + 100NV1	71A + 71NY1	100A + 100NY1
Cooling capacity	Nom.			kW	6.80	9.50	6.80	9.50
Heating capacity	Nom.			kW	7.50	10.8	7.50	10.8
Space cooling	Energy efficiency class				A++			
	Capacity		Pdesign	kW	6.80	9.50	6.80	9.50
	SEER				6.58	6.42	6.58	6.42
	ηs,c			%	-			
	Annual energy consumption			kWh/a	362	518	362	518
Space heating (Average climate)	Energy efficiency class				A+			
	Capacity		Pdesign	kW	4.70	7.80	4.70	7.80
	SCOP/A				4.02	4.01	4.02	4.01
	ηs,h			%	-			
	Annual energy consumption			kWh/a	1,637	2,723	1,637	2,723

Indoor unit				FAA	71A	100A	71A	100A
Dimensions	Unit	HeightxWidthxDepth		mm	290x1,050x238	340x1,200x240	290x1,050x238	340x1,200x240
Weight	Unit			kg	13.0	17.0	13.0	17.0
Air filter	Type				-			
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min	14.0/16/18.0	19.0/23/26.0	14.0/16/18.0	19.0/23/26.0
		Heating	Low/Medium/High	m^3/min	14.0/16.0/18.0	19.0/23.0/26.0	14.0/16.0/18.0	19.0/23.0/26.0
Sound power level	Cooling			dBA	61	65	61	65
	Heating			dBA	61	65	61	65
Sound pressure level	Cooling	Low/High		dBA	40/45	41/49	40/45	41/49
	Heating	Low/High		dBA	40/45	41/49	40/45	41/49
Control systems	Infrared remote control				BRC7EB518			
	Wired remote control				BRC1H519W7/S7/K7 / BRC1E53A/B/C / BRC1D52			
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240			

Outdoor unit				RZAG/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	952/15.9			
	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	

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

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

Indoor unit				FAA	71A	100A	100A
Dimensions	Unit	HeightxWidthxDepth		mm	290x1,050x238	340x1,200x240	
Weight	Unit			kg	13.0	17.0	
Air filter	Type				-		
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min	14.0/16/18.0	19.0/23/26.0	
		Heating	Low/Medium/High	m^3/min	14.0/16.0/18.0	19.0/23.0/26.0	
Sound power level	Cooling			dBA	61	65	
	Heating			dBA	61	65	
Sound pressure level	Cooling	Low/High		dBA	40/45	41/49	
	Heating	Low/High		dBA	40/45	41/49	
Control systems	Infrared remote control				BRC7EB518		
	Wired remote control				BRC1H519W7/S7/K7 / BRC1E53A/B/C / BRC1D52		
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240		

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

SkyAir Active-series BLUEVOLUTION

Wall mounted unit

For rooms with no false ceilings nor free floor space

- Ideal solution for small businesses and shops
- Flat, stylish front panel blends easily within any interior décor and is easier to clean
- Can easily be installed in both new and refurbishment projects
- The air is comfortably spread up- and downwards thanks to 5 different discharge angles that can be programmed via the remote control
- Maintenance operations can be performed easily from the front of the unit
- Flexible to install as the largest casing only weighs 17kg and piping connection can be done at the bottom, left or right of the unit

Efficiency data				FAA	71A + ARXM71N9	100A + AZAS100MV1	100A + AZAS100MY1
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	
	Capacity		Pdesign	kW	6.80	9.50	
	SEER				5.77	5.25	
	ηs,c			%	-		
	Annual energy consumption			kWh/a	412	633	
Space heating (Average climate)	Energy efficiency class				A		
	Capacity		Pdesign	kW	4.50	6.00	
	SCOP/A				3.81	3.81	
	ηs,h			%	-		
	Annual energy consumption			kWh/a	1,652	2,205	
Indoor unit				**FAA**	**71A**	**100A**	**100A**
Dimensions	Unit	HeightxWidthxDepth		mm	290x1,050x238	340x1,200x240	
Weight	Unit			kg	13.0	17.0	
Air filter	Type				-		
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min	14.0/16/18.0	19.0/23/26.0	
		Heating	Low/Medium/High	m^3/min	14.0/16.0/18.0	19.0/23.0/26.0	
Sound power level	Cooling			dBA	61	65	
	Heating			dBA	61	65	
Sound pressure level	Cooling	Low/High		dBA	40/45	41/49	
	Heating	Low/High		dBA	40/45	41/49	
Control systems	Infrared remote control				BRC7EB518		
	Wired remote control				BRC1H519W7/S7/K7 / BRC1E53A/B/C / BRC1D52		
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240		
Outdoor unit					**ARXM71N9**	**AZAS100MV1**	**AZAS100MY1**
Dimensions	Unit	HeightxWidthxDepth		mm	734x870x373	990x940x320	
Weight	Unit			kg	50.0	70	
Sound power level	Cooling			dBA	65	70	
	Heating			dBA	65	-	
Sound pressure level	Cooling	Nom.		dBA	52	53	
	Heating	Nom.		dBA	52	57	
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~46	-5~46	
	Heating	Ambient	Min.~Max.	°CWB	-15~24	-15~15.5	
Refrigerant	Type/GWP				R-32/675		
	Charge			kg/TCO2Eq	1.15/0.78	2.60/1.76	
Piping connections	Liquid/Gas	OD		mm	9.52/15.90		
	Piping length	OU - IU	Max.	m	30	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	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	16

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
- 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.
- Online controller: control your indoor from any location with an app, via your local network or internet
- Sleek, unobtrusive air conditioning unit that matches European sensibilities regarding interior design
- 3-D air flow combines vertical and horizontal auto swing to circulate a stream of warm or cool air right to the corners of even large spaces

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

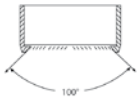
Indoor unit				FTXM	35N	50N	60N
Dimensions	Unit	HeightxWidthxDepth		mm	294x811x272	300x1,040x295	
Weight	Unit			kg	10.0	14.5	
Air filter	Type				Removable / washable		
Fan	Air flow rate	Cooling	Silent operation/Low/Medium/High	m^3/min	4.6/6.4/8.3/12.3	8.1/11.6/14.2/16.1	9.1/12.0/14.6/17.1
		Heating	Silent operation/Low/Medium/High	m^3/min	5.3/7.1/9.0/10.8	10.7/12.2/14.6/17.1	11.2/12.6/15.6/17.7
Sound power level	Cooling			dBA	58		60
	Heating			dBA	54	58	59
Sound pressure level	Cooling	Silent operation/Low/High		dBA	19/29/45	27/36/44	30/37/46
	Heating	Silent operation/Low/High		dBA	20/28/39	31/34/43	33/36/45
Control systems	Infrared remote control				ARC466A33		
	Wired remote control				BRC073A1		

Outdoor unit				RZAG	35A	50A	60A
Dimensions	Unit	HeightxWidthxDepth		mm	734x870x373		
Weight	Unit			kg	52		
Sound power level	Cooling			dBA	62.0	63.0	64.0
	Heating			dBA	62.0	63.0	64.0
Sound pressure level	Cooling	Nom.		dBA	48.0	49.0	50.0
	Heating	Nom.		dBA	48.0	49.0	50.0
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-20~52		
	Heating	Ambient	Min.~Max.	°CWB	-20~24		
Refrigerant	Type/GWP				R-32/675.0		
	Charge			kg/TCO2Eq	1.55/1.05		
Piping connections	Liquid/Gas	OD		mm	6.35/9.52	6.35/12.7	
	Piping length	OU - IU	Max.	m	50		
		System	Equivalent	m	-		
			Chargeless	m	-		
	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		
Current - 50Hz	Maximum fuse amps (MFA)			A	-		

Ceiling suspended unit

For wide rooms with no false ceilings nor free floor space

› Combination with Sky Air advance-series ensures good value for money for all types of commercial applications
› Ideal for comfortable air flow in wide rooms thanks to Coanda effect: up to 100° discharge angle



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

› Reduced energy consumption thanks to specially developed DC fan motor

› 5 different fan speeds available for maximum comfort
› 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

Efficiency data				FHA + RZAG	35A9 + 35A	50A9 + 50A	60A9 + 60A	71A9 + 71NV1	100A + 100NV1	125A + 125NV1	140A + 140NV1	71A9 + 71NY1	100A + 100NY1	125A + 125NY1	140A + 140NY1
Cooling capacity	Min./Nom./Max.			kW	1.7/3.5/4.5	1.7/5.0/6.0	1.9/6.0/6.8	-/6.80/-	-/9.50/-	-/12.1/-	-/13.4/-	-/6.80/-	-/9.50/-	-/12.1/-	-/13.4/-
Heating capacity	Min./Nom./Max.			kW	1.40/4.00/5.50	1.70/5.80/6.50	1.70/7.00/7.50	-/7.50/-	-/10.8/-	-/13.5/-	-/15.5/-	-/7.50/-	-/10.8/-	-/13.5/-	-/15.5/-
Space cooling	Energy efficiency class				A++					-		A++		-	
	Capacity		Pdesign	kW	3.50	5.00	6.00	6.80	9.50	12.1	13.4	6.80	9.50	12.1	13.4
	SEER				6.40	6.80	6.60	7.11	6.42	7.14	6.42	7.11	6.42	7.14	6.42
	ηs,c			%	-					283	254	-		283	254
	Annual energy consumption			kWh/a	191	257	318	335	518	1,017	1,253	335	518	1,017	1,253
Space heating (Average climate)	Energy efficiency class				A+				A++	-		A+	A++	-	
	Capacity		Pdesign	kW	3.10	4.00	4.60	4.70	7.80	9.52		4.70	7.80	9.52	
	SCOP/A				4.10	4.30	4.20	4.32	4.61	4.09	4.30	4.32	4.61	4.09	4.30
	ηs,h			%	-					161	169	-		161	169
	Annual energy consumption			kWh/a	1,058	1,302	1,633	1,523	2,369	3,259	3,100	1,523	2,369	3,259	3,100

Indoor unit				FHA	35A9	50A9	60A9	71A9	100A	125A	140A
Dimensions	Unit	HeightxWidthxDepth		mm	235x960x690		235x1,270x690		235x1,590x690		
Weight	Unit			kg	24	25	31	32	38.0		
Air filter	Type				Resin net						
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min	10.0/11.5/14.0	10.0/12.0/15.0	11.5/15.0/19.5	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
Sound power level	Cooling			dBA	53.0	54.0		55.0	60	62	64
Sound pressure level	Cooling	Low/High		dBA	31.0/36.0	32.0/37.0	33.0/37.0	34.0/38.0	34/42	37/44	38/46
	Heating	Nom./High		dBA	34.0/36.0	35.0/37.0		36.0/38.0	38/42	41/44	42/46
Control systems	Infrared remote control				BRC7GA53-9						
	Wired remote control				BRC1H519W7/S7/K7 / BRC1E53A/B/C / BRC1D52						
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240						

Outdoor unit				RZAG	35A	50A	60A	71NV1	100NV1	125NV1	140NV1	71NY1	100NY1	125NY1	140NY1
Dimensions	Unit	HeightxWidthxDepth		mm	734x870x373			870x1,100x460							
Weight	Unit			kg	52			81	85	95		81	85	94	
Sound power level	Cooling			dBA	62.0	63.0	64.0		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										
	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	64/9.50	64/12.7		952/15.9							
	Piping length	OU - IU	Max.	m	50			55	85			55	85		
		System	Equivalent	m	-			75	100			75	100		
			Chargeless	m	-			40							
	Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 30m)			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	16		20		32			16			

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

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

Indoor unit				FHA	71A9	100A	125A	140A	100A	125A	140A
Dimensions	Unit	HeightxWidthxDepth		mm	235x1,270x690	235x1,590x690					
Weight	Unit			kg	32	38.0					
Air filter	Type				Resin net						
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min	14.0/17.0/20.5	20.0/24.0/28.0	23.0/27.0/31.0	24.0/29.0/34.0	20.0/24.0/28.0	23.0/27.0/31.0	24.0/29.0/34.0
		Heating	Low/Medium/High	m^3/min	14.0/17.0/20.5	20.0/24.0/28.0	23.0/27.0/31.0	24.0/29.0/34.0	20.0/24.0/28.0	23.0/27.0/31.0	24.0/29.0/34.0
Sound power level	Cooling			dBA	55.0	60	62	64	60	62	64
Sound pressure level	Cooling	Low/High		dBA	34.0/38.0	34/42	37/44	38/46	34/42	37/44	38/46
	Heating	Nom./High		dBA	36.0/38.0	38/42	41/44	42/46	38/42	41/44	42/46
Control systems	Infrared remote control				BRC7GA53-9						
	Wired remote control				BRC1H519W7/S7/K7 / BRC1E53A/B/C / BRC1D52						
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240						

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

Wall mounted unit

For wide rooms with no false ceilings nor free floor space

- Combination with split outdoor units is ideal for small retail, offices and residential applications
- Ideal for comfortable air flow in wide rooms thanks to Coanda effect: up to 100° discharge angle
- Even rooms with ceilings up to 3.8m can be heated up or cooled down very easily without capacity loss
- Can easily be installed in both new and refurbishment projects
- Can easily be mounted in corners and narrow spaces, as it only needs 30mm lateral service space
- 5 different fan speeds available for maximum comfort
- Stylish unit blends easily with any interior. The flaps close entirely when the unit is not operating and there are no air intake grilles visible

FHA100-140A9

RXM-N9

BRC1H519W7, BRP069A81

Efficiency data				FHA + RXM	35A9 + 35N9	35A9 + 35N9	50A9 + 50N9	60A9 + 60N9
Cooling capacity	Nom.			kW	3.40		5.00	5.70
Heating capacity	Nom.			kW	4.00		6.00	7.20
Space cooling	Energy efficiency class				A++		A+	
	Capacity		Pdesign	kW	3.40		5.00	5.70
	SEER				6.24		5.92	6.08
	ηs,c			%	-			
	Annual energy consumption			kWh/a	191		295	328
Space heating (Average climate)	Energy efficiency class				A+		A	
	Capacity		Pdesign	kW	3.10		4.35	4.71
	SCOP/A				4.43		3.86	3.87
	ηs,h			%	-			
	Annual energy consumption			kWh/a	979		1,578	1,704

Indoor unit				FHA	35A9	35A9	50A9	60A9
Dimensions	Unit	HeightxWidthxDepth		mm	235x960x690			235x1,270x690
Weight	Unit			kg	24		25	31
Air filter	Type				Resin net			
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min	10.0/11.5/14.0		10.0/12.0/15.0	11.5/15.0/19.5
		Heating	Low/Medium/High	m^3/min	10.0/11.5/14.0		10.0/12.0/15.0	11.5/15.0/19.5
Sound power level	Cooling			dBA	53.0		54.0	
Sound pressure level	Cooling	Low/High		dBA	31.0/36.0		32.0/37.0	33.0/37.0
	Heating	Nom./High		dBA	34.0/36.0		35.0/37.0	
Control systems	Infrared remote control				BRC7GA53-9			
	Wired remote control				BRC1H519W7/S7/K7 / BRC1E53A/B/C / BRC1D52			
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240			

Outdoor unit				RXM	35N9	35N9	50N9	60N9
Dimensions	Unit	HeightxWidthxDepth		mm	550x765x285		734x870x373	
Weight	Unit			kg	32		50	
Sound power level	Cooling			dBA	61		62	63
	Heating			dBA	61		62	63
Sound pressure level	Cooling	Nom.		dBA	49		48	
	Heating	Nom.		dBA	49			
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~50			
	Heating	Ambient	Min.~Max.	°CWB	-20~24			
Refrigerant	Type				R-32			
	GWP				675			
	Charge			kg/TCO2Eq	0.76/0.52		1.15/0.78	
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	
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240			
Current - 50Hz	Maximum fuse amps (MFA)			A	-			

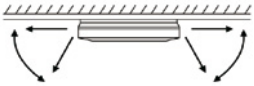
SkyAir Alpha-series
BLUEVOLUTION

4-way blow ceiling suspended unit

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

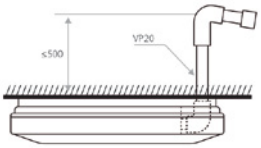
- Combination with Sky Air advance-series ensures good value for money for all types of commercial applications
- Even rooms with ceilings up to 3.5m can be heated up or cooled down very easily without capacity loss
- Can easily be installed in both new and refurbishment projects
- Individual flap control: 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 500mm lift increases flexibility and installation speed



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

Indoor unit				FUA	71A	100A	125A	71A	100A	125A
Dimensions	Unit	HeightxWidthxDepth		mm	198x950x950					
Weight	Unit			kg	25.0	26.0		25.0	26.0	
Air filter	Type				Resin net					
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min	16.0/19.5/23.0	20.0/25.5/31.0	20.5/26.5/32.5	16.0/19.5/23.0	20.0/25.5/31.0	20.5/26.5/32.5
		Heating	Low/Medium/High	m^3/min	16.0/19.5/23.0	20.0/25.5/31.0	20.5/26.5/32.5	16.0/19.5/23.0	20.0/25.5/31.0	20.5/26.5/32.5
Sound power level	Cooling			dBA	59	64	65	59	64	65
	Heating			dBA	59	64	-	59	64	-
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	Infrared remote control				BRC7CB58					
	Wired remote control				BRC1H519W7/S7/K7 / BRC1E53A/B/C / BRC1D52					
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220~240					

Outdoor unit				RZAG	71NV1	100NV1	125NV1	71NY1	100NY1	125NY1
Dimensions	Unit	HeightxWidthxDepth		mm	870x1,100x460					
Weight	Unit			kg	81	85	95	81	85	94
Sound power level	Cooling			dBA	64	66	69	64	66	69
	Heating			dBA	-		68	-		68
Sound pressure level	Cooling	Nom.		dBA	46	47	49	46	47	49
	Heating	Nom.		dBA	48	50	52	48	50	52
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-20~52					
	Heating	Ambient	Min.~Max.	°CWB	-20~18					
Refrigerant	Type/GWP				R-32/675					
	Charge			kg/TCO2Eq	3.20/2.16		3.70/2.50	3.20/2.16		3.70/2.50
Piping connections	Liquid/Gas	OD		mm	952/15.9					
	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		

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 500mm lift increases flexibility and installation speed

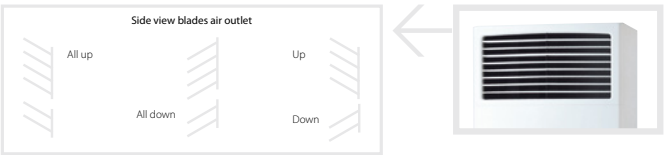
Efficiency data				FUA + RZASG	71A + 71MV1	100A + 100MV1	125A + 125MV1	100A + 100MY1	125A + 125MY1
Cooling capacity	Nom.			kW	6.80	9.50	12.1	9.50	12.1
Heating capacity	Nom.			kW	7.50	10.8	13.5	10.8	13.5
Space cooling	Energy efficiency class				A++	A+	-	A+	-
	Capacity		Pdesign	kW	6.80	9.50	12.1	9.50	12.1
	SEER				6.16	5.83	5.49	5.83	5.49
	ηs,c			%	-		217	-	217
	Annual energy consumption			kWh/a	386	570	1,322	570	1,322
Space heating (Average climate)	Energy efficiency class				A	A+	-	A+	-
	Capacity		Pdesign	kW	4.50	6.00			
	SCOP/A				3.90	4.01	3.84	4.01	3.84
	ηs,h			%	-		151	-	151
	Annual energy consumption			kWh/a	1,615	2,095	2,188	2,095	2,188
Indoor unit				**FUA**	**71A**	**100A**	**125A**	**100A**	**125A**
Dimensions	Unit	HeightxWidthxDepth		mm	198x950x950				
Weight	Unit			kg	25.0	26.0			
Air filter	Type				Resin net				
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min	16.0/19.5/23.0	20.0/25.5/31.0	20.5/26.5/32.5	20.0/25.5/31.0	20.5/26.5/32.5
		Heating	Low/Medium/High	m^3/min	16.0/19.5/23.0	20.0/25.5/31.0	20.5/26.5/32.5	20.0/25.5/31.0	20.5/26.5/32.5
Sound power level	Cooling			dBA	59	64	65	64	65
	Heating			dBA	59	64	-	64	-
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	Infrered remote control				BRC7CB58				
	Wired remote control				BRC1H519W7/S7/K7 / BRC1E53A/B/C / BRC1D52				
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240				
Outdoor unit				**RZASG/RZASG**	**71MV1**	**100MV1**	**125MV1**	**100MY1**	**125MY1**
Dimensions	Unit	HeightxWidthxDepth		mm	770x900x320	990x940x320			
Weight	Unit			kg	60	70			
Sound power level	Cooling			dBA	65	70	71	70	71
	Heating			dBA	-		71	-	71
Sound pressure level	Cooling	Nom.		dBA	46	53			
	Heating	Nom.		dBA	47	57			
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-15~46				
	Heating	Ambient	Min.~Max.	°CWB	-15~15.5				
Refrigerant	Type/GWP				R-32/675				
	Charge			kg/TCO2Eq	2.45/1.65	2.60/1.76			
Piping connections	Liquid/Gas	OD		mm	9.52/15.9				
	Piping length	OU - IU	Max.	m	50				
		System	Equivalent	m	70				
			Chargeless	m	30				
	Additional refrigerant charge			kg/m	See installation manual				
	Level difference	IU - OU	Max.	m	30.0				
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240			3~/50/380-415	
Current - 50Hz	Maximum fuse amps (MFA)			A	20	25	32	16	

SkyAir Alpha-series
BLUEVOLUTION

Floor standing unit

For commercial spaces with high ceilings

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

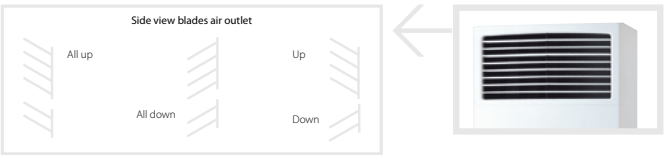


Efficiency data				FVA + RZAG	71A + 71NV1	100A + 100NV1	125A + 125NV1	140A + 140NV1	71A + 71NY1	100A + 100NY1	125A + 125NY1	140A + 140NY1
Cooling capacity	Nom.			kW	6.80	9.50	12.1	13.4	6.80	9.50	12.1	13.4
Heating capacity	Nom.			kW	7.50	10.8	13.5	15.5	7.50	10.8	13.5	15.5
Space cooling	Energy efficiency class				A++	A+	-		A++	A+	-	
	Capacity		Pdesign	kW	6.80	9.50	12.1	13.4	6.80	9.50	12.1	13.4
	SEER				6.34	6.00	6.41	6.12	6.34	6.00	6.41	6.12
	ηs,c			%	-		253	242	-		253	242
	Annual energy consumption			kWh/a	376	554	1,133	1,314	376	554	1,133	1,314
Space heating (Average climate)	Energy efficiency class				A+		-		A+		-	
	Capacity		Pdesign	kW	4.70	7.80	9.52		4.70	7.80	9.52	
	SCOP/A				4.05	4.20	4.15	3.94	4.05	4.20	4.15	3.94
	ηs,h			%	-		163	155	-		163	155
	Annual energy consumption			kWh/a	1,625	2,600	3,209	3,383	1,625	2,600	3,209	3,383
Indoor unit				**FVA**	**71A**	**100A**	**125A**	**140A**	**71A**	**100A**	**125A**	**140A**
Dimensions	Unit	HeightxWidthxDepth		mm	1,850x600x270	1,850x600x350			1,850x600x270	1,850x600x350		
Weight	Unit			kg	42	50			42	50		
Air filter	Type				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				BRC1H519W7/S7/K7 / BRC1E53A/B/C / BRC1D52							
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220							
Outdoor unit				**RZAG/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	952/15.9							
	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			

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*)



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

Indoor unit				FVA	71A	100A	125A	140A	100A	125A	140A
Dimensions	Unit	HeightxWidthxDepth		mm	1,850x600x270	1,850x600x350					
Weight	Unit			kg	42	50					
Air filter	Type				Resin net						
Fan	Air flow rate	Cooling	Low/Medium/High	m^3/min	14/16/18	22/25/28	24/26/28	26/28/30	22/25/28	24/26/28	26/28/30
		Heating	Low/Medium/High	m^3/min	14/16/18	22/25/28	24/26/28	26/28/30	22/25/28	24/26/28	26/28/30
Sound power level	Cooling			dBA	55	62	63	65	62	63	65
Sound pressure level	Cooling	Low/High		dBA	38/43	44/50	46/51	48/53	44/50	46/51	48/53
	Heating	Nom./High		dBA	41/43	47/50	48/51	51/53	47/50	48/51	51/53
Control systems	Wired remote control				BRC1H519W7/S7/K7 / BRC1E53A/B/C / BRC1D52						
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220						

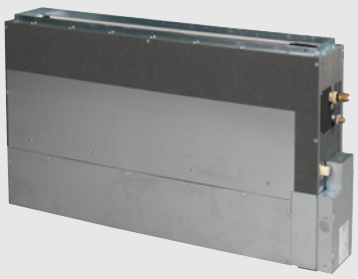
Outdoor unit				RZASG/RZASG	71MV1	100MV1	125MV1	140MV1	100MY1	125MY1	140MY1
Dimensions	Unit	HeightxWidthxDepth		mm	770x900x320	990x940x320					
Weight	Unit			kg	60	70		78	70		77
Sound power level	Cooling			dBA	65	70	71	73	70	71	73
	Heating			dBA	-		71	73	-	71	73
Sound pressure level	Cooling	Nom.		dBA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

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

RZAG25-60A

BRC1H519W7, BRP069A81

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

Indoor unit				FNA	35A9	50A9	60A9
Dimensions	Unit	HeightxWidthxDepth		mm	620 / 720(1)x790x200	620 / 720(1)x1,190x200	
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/High		dBA	28.0/33.0	30.0/36.0	
	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				BRC1H519W7/S7/K7 / BRC1E53A/B/C / BRC1D52		
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220		

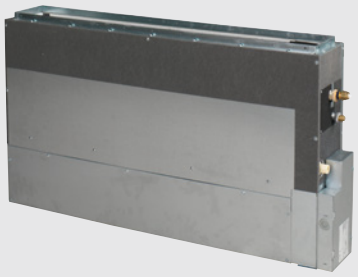
Outdoor unit				RZAG	35A	50A	60A
Dimensions	Unit	HeightxWidthxDepth		mm	734x870x373		
Weight	Unit			kg	52		
Sound power level	Cooling			dBA	62.0	63.0	64.0
	Heating			dBA	62.0	63.0	64.0
Sound pressure level	Cooling	Nom.		dBA	48.0	49.0	50.0
	Heating	Nom.		dBA	48.0	49.0	50.0
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-20~52		
	Heating	Ambient	Min.~Max.	°CWB	-20~24		
Refrigerant	Type/GWP				R-32/675.0		
	Charge			kg/TCO2Eq	1.55/1.05		
Piping connections	Liquid/Gas	OD		mm	6.35/9.52	6.35/12.7	
	Piping length	OU - IU	Max.	m	50		
		System	Equivalent	m	-20~52		
			Chargeless	m	-20~24		
	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		
Current - 50Hz	Maximum fuse amps (MFA)			A	-		

(1) Including installation legs

Concealed floor standing unit

Designed to be concealed in walls

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



FNA-A9

RXM-N9

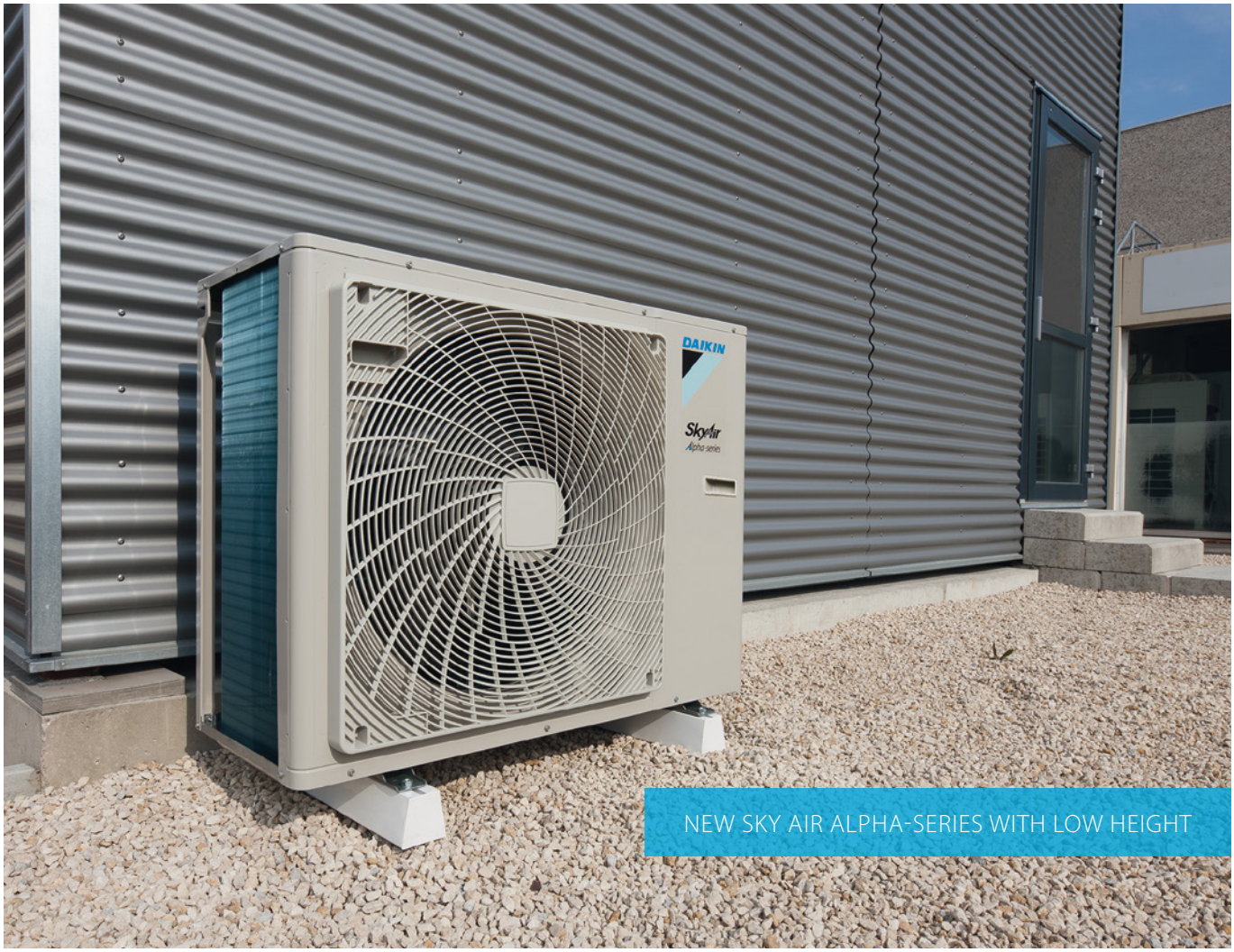
BRC1H519W7, BRP069A81

Efficiency data				FNA + RXM	25A9 + 25N9	35A9 + 35N9	50A9 + 50N9	60A9 + 60N9
Cooling capacity	Nom.			kW	2.60	3.40	5.00	6.00
Heating capacity	Nom.			kW	3.20	4.00	5.80	7.00
Space cooling	Energy efficiency class				A+			A
	Capacity		Pdesign	kW	2.60	3.40	5.00	6.00
	SEER				5.68	5.70	5.77	5.56
	ηs,c			%	-			
	Annual energy consumption			kWh/a	160	209	303	378
Space heating (Average climate)	Energy efficiency class				A+			
	Capacity		Pdesign	kW	2.80	2.90	4.00	4.60
	SCOP/A				4.24	4.05	4.09	4.16
	ηs,h			%	-			
	Annual energy consumption			kWh/a	924	1,002	1,369	1,547

Indoor unit				FNA	25A9	35A9	50A9	60A9
Dimensions	Unit	HeightxWidthxDepth		mm	620 / 720(1)x790x200		620 / 720(1)x1,190x200	
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/High		dBA	28.0/33.0		30.0/36.0	
	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				BRC1H519W7/S7/K7 / BRC1E53A/B/C / BRC1D52			
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220			

Outdoor unit				RXM	25N9	35N9	50N9	60N9
Dimensions	Unit	HeightxWidthxDepth		mm	550x765x285		734x870x373	
Weight	Unit			kg	32		50	
Sound power level	Cooling			dBA	58	61	62	63
	Heating			dBA	59	61	62	63
Sound pressure level	Cooling	Nom.		dBA	46	49	48	
	Heating	Nom.		dBA	47	49		
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~50			
	Heating	Ambient	Min.~Max.	°CWB	-20~24			
Refrigerant	Type				R-32			
	GWP				675			
	Charge			kg/TCO2Eq	0.76/0.52		1.15/0.78	
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	
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240			
Current - 50Hz	Maximum fuse amps (MFA)			A	-			

(1) Including installation legs



NEW SKY AIR ALPHA-SERIES WITH LOW HEIGHT

NEW SKY AIR ALPHA-SERIES RANGE EXTENSION
(35, 50, 60)

Outdoor units

A range of industry leading technology outdoor units

Products overview outdoor units 60
Benefits overview outdoor units 61

Sky Air A-series 62

R-32 BLUEVOLUTION range 76

RZAG-A Sky Air Alpha-series 76
NEW RZAG-NV1/NY1 Sky Air Alpha-series 76
RZASG-MV1/MY1 Sky Air Advance-series 77
NEW RZA-D Sky Air Advance-series 78
ARXM-N9 /AZAS-MV1/MY1 Sky Air Active-series 79

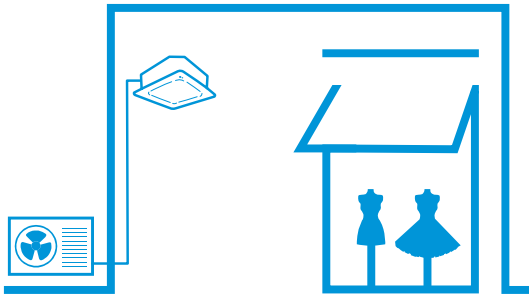
Multi model and VRV range

See Split or VRV chapter

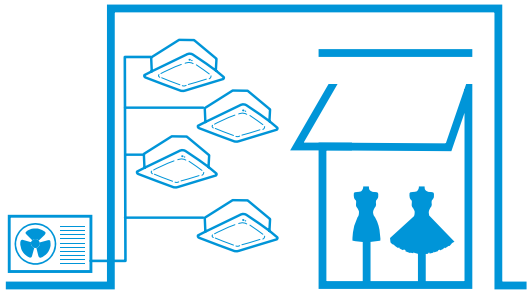
Rooftop 80

Options & Accessories 132

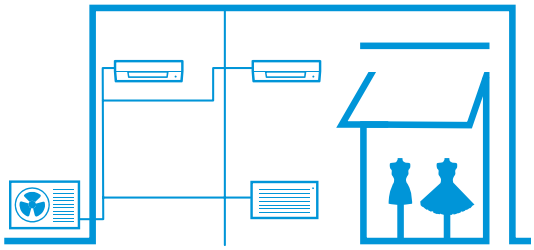
Pair solution



Twin, triple, double twin solution



Multi solution



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		
Air cooled	Heat pump	NEW **SkyAir Alpha-series** R-32 A++ (A+++ - D) - Industry leading technology for commercial applications - Dedicated solution for infrastructure cooling - Variable Refrigerant Temperature (RZAG71-100-125-140 series) - Maximum piping length up to 85m (50m for RZAG35-50-60) - Replacement technology - Extended operation range down to -20°C in both heating and cooling - Pair, twin, triple and double twin application (RZAG71-100-125-140 series)	RZAG-A RZAG-NV1/ NY1				NEW 	NEW 	NEW 	NEW 		
		SkyAir Advance-series R-32 A+ (A+++ - D) - Technology and comfort combined for commercial applications - Very compact and easy to install outdoor units - Maximum piping length up to 50m (RZA-D up to 100m) - Replacement technology - Operation range down to -15°C both cooling and in heating (RZA-D down to -20°C) - Pair, twin, triple and double twin application	RZASG-MV1/ MY1									
			RZA-D								NEW 	NEW
		SkyAir Active-series R-32 A (A+++ - D) - Ideal solution for busy environments and small shops - Very compact and easy to install outdoor units - Maximum piping length up to= 30m - Replacement technology - Easy-to-mount outdoor units: roof, terrace or wall - Exclusively offered for pair applications	ARXM-N9 AZAS-MV1/ MY1									

Benefits overview outdoor units

			SkyAir Alpha-series		SkyAir Advance-series		SkyAir Active-series
			RZAG-A	RZAG-NV1/NY1	RZASG-MV1/MY1	RZA-D	AZAS-MV1/MY1
We care icons	Seasonal efficiency - Smart use of energy	Seasonal efficiency gives a more realistic indication on how efficient air conditioners operate over an entire heating or cooling season.	A++ (A+++ - D)	A++ (A+++ - D)	A+ (A+++ - D)	-	A (A+++ - D)
We care icons	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.	●	●	●	●	●
We care icons	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.	●	●	●	●	●
Comfort	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.		●			
Other functions	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.		●	●	●	
Other functions	Swing compressor	Outdoor units are fitted with a swing compressor, renowned for its low noise and high reliability	●	●	●	●	●
Other functions	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.	●	●		●	
Other functions	Infrastructure cooling	For high sensible, infrastructure cooling applications, dedicated infrastructure cooling settings and allowing asymmetric combinations enhance the system's reliability.	●	●		●	

Technical benefit overview SkyAir A-series

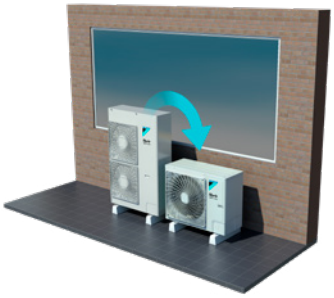
	SkyAir Alpha-series		SkyAir Advance-series		SkyAir Active-series
	RZAG-A	RZAG-NV1/NY1	RZASG-MV1/MY1	RZA-D	AZAS-MV1/MY1
Compact single fan casing on the entire range	●	●	●	●	●
Maximum piping length	50m	85m	50 m	100 m	30 m
Pivoting front plate		●	●	●	●
7 segment display		●	●	●	●
Increased factory charge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

NEW SkyAir Advance-series

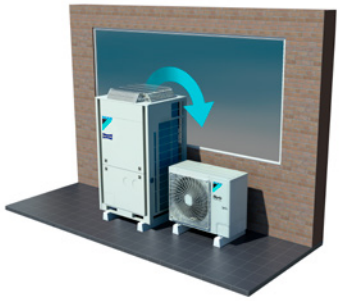
NEW SkyAir Alpha-series

Low height.
High value.

Unique, low-height single fan range

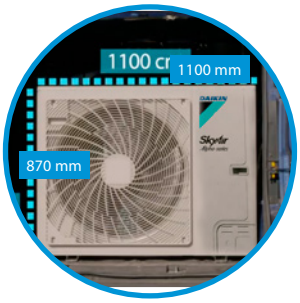


SkyAir Alpha-series
RZAG71-100-125-140NV1/NY1



SkyAir Advance-series
RZA200-250D

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

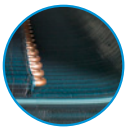
- Up to 85m for RZAG-NV1/NY1
- Up to 100m for RZA-D

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

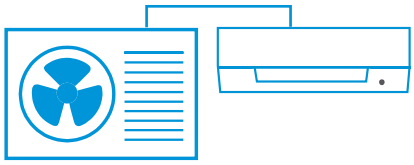
- copper pipes used in air conditioning systems tested by Daikin will last over 60 years after installation.

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.

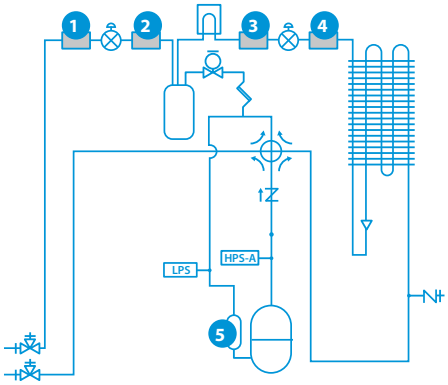


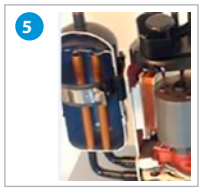
✓ Replace outdoor units

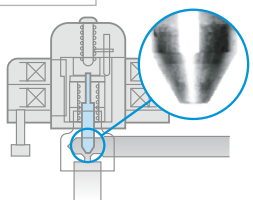
Learn more about Daikin replacement solutions at www.daikin.eu/en_us/knowledge-center/replacement-technology.html

Unique technologies

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







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

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

R-32

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

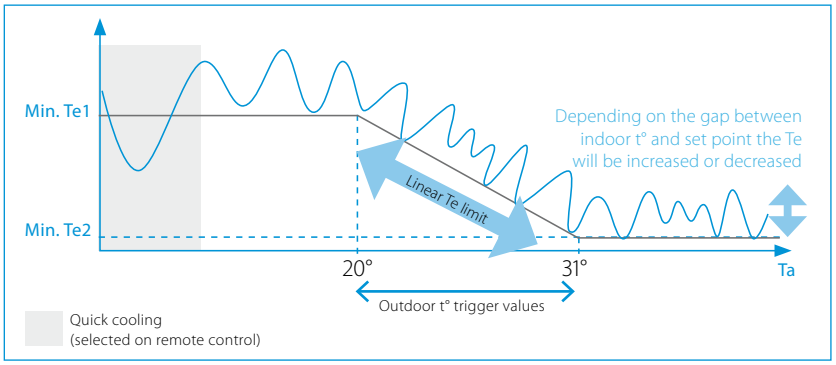
note: For general installation guidelines and requirements please check the installation manual of the specific outdoor model

Variable Refrigerant Temperature

The ultimate customer experience

- ☑ Increases air discharge temperature and eliminates cold drafts!
- ☑ Increased customer comfort and reduced energy consumption!

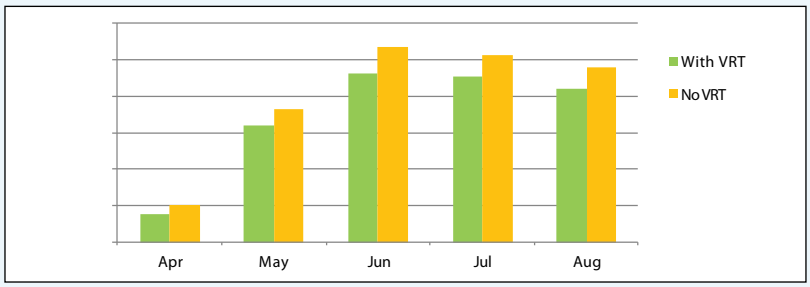
› The system automatically increases its evaporating temperature (Te) when the gap between the actual indoor temperature (Tin) and the setpoint (Tset) is becoming smaller, increasing comfort and providing more stable operation



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, CONTINUOUS OPERATION 24/7 365

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 (ceiling suspended cassettes, wall mounted indoors, concealed ceiling ducted type indoors)

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

Boosted capacity indoor systems

High reliability at lower running costs for infrastructure cooling

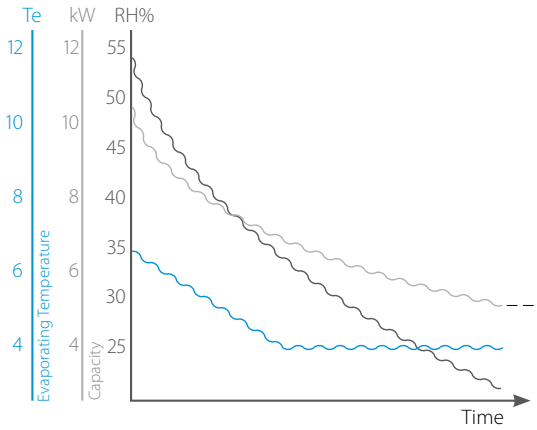
Split air conditioning systems for normal comfort cooling applications usually combine indoor systems with matching capacities, or multiple indoor systems with capacities lower than the outdoor system's capacity. This works because the indoor system's cooling capacity is sufficient to handle the higher 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).

with higher capacities than the outdoor system.
This will boost heat transfer inside the technology or server room environments.

Infrastructure cooling application system solutions

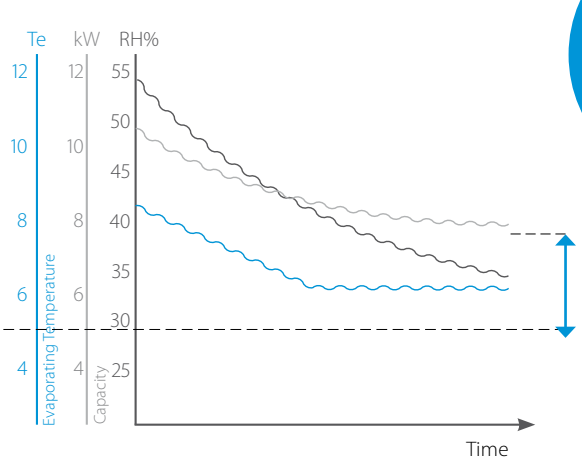
TRADITIONAL SOLUTION

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

EER

TRADITIONAL SOLUTION 100%
IMPROVED SOLUTION 82% 18% SAVINGS

traditional solution
RZAG71 + **FAA71**

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

dedicated system combination solution
RZAG71 + **FAA100**

Total Capacity (TC)	**6.02 kW**
Sensible Heat Capacity (SHC)	**6.02 kW**
Power Input (PI)	**1.72 kW**
Co-efficient of Power Input (CPI)	**0.45**
Corrected PI	**0.77 kW**
EER*	**7.82**

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

*EER = (SHC/Corrected PI)

2-Step solution for system selection

High reliability for infrastructure cooling

UNIQUE

Select your infrastructure cooling system in 2 steps

No humidity generation in room (eg: Server room)

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

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

SOLUTION

Boosted capacity indoor combination with 10kW outdoor system.

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

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

STEP 1

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

STEP 2

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

Some humidity source in room (eg: Laboratory)

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

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

SOLUTION

Boosted capacity indoor combination with 12.5kW outdoor system.

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

** System capacity at 42%RH (14,2°CWB) can be found by interpolation between 13°CWB (35%) and 15°CWB (48%).

Combination table for boosted capacity indoor systems

Infrastructure cooling combination table

		FTXM-N				FAA-A		FHA-A(9)							FBA-A(9)							FDXM-F9			FUA-A			FNA-A9			FVA-A				FFA-A9			FCAHG-H				FCAG-B						
capacity class		35	50	60	71	71	100	35	50	60	71	100	125	140	35	50	60	71	100	125	140	35	50	60	71	100	125	35	50	60	71	100	125	140	35	50	60	71	100	125	140	35	50	60	71	100	125	140
RZAG35A			P						P							P							P						P								P							P					
RZAG50A				P						P							P							P						P								P							P				
RZAG60A					P						P							P																												P			
RZAG71	RZAG71						P	3	2			P			3	2			P			3	2			P						P			3	2			P			3	2			P		
RZAG100	RZAG100					2		4	3		2			P	4	3		2			P	4	3		2						2			P	4	3		2			P	4	3		2			P
RZAG125	RZAG125					2		4	3		2			P	4	3		2			P	4	3		2						2			P	4	3		2			P	4	3		2			P
RZAG140	RZAG140					2		4	3		2			P	4	3		2			P	4	3		2						2			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.

Possible combinations: P = Pair 2 = Twin 3 = Triple 4 = Double Twin

Notes: For R-410A combinations please refer to the outdoor unit pages.

Performance characteristics

for boosted capacity indoor combinations with most common indoor units

Boosted capacity indoor unit with 3.5kW outdoor system

RZAG35A / FTXM50N

Indoor temperature			Outdoor temperature [°C DB]																																												
			-20			-15			-10			-5			0			5			10			15			20			25			30			35			40		
RH [%]	°EWB	°EDB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
%	°C	°C	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW	kW
41.8	11	18	2,91	2,91	0,26	2,91	2,91	0,28	2,91	2,91	0,30	2,91	2,91	0,33	2,91	2,91	0,36	2,91	2,91	0,39	2,91	2,91	0,42	2,91	2,91	0,49	2,91	2,91	0,57	2,91	2,91	0,64	2,91	2,91	0,72	2,85	2,85	0,80	2,69	2,69	0,86
57.0	13	18	3,51	2,70	0,34	3,51	2,70	0,37	3,51	2,70	0,40	3,51	2,70	0,43	3,51	2,70	0,47	3,51	2,70	0,50	3,51	2,70	0,50	3,51	2,70	0,56	3,51	2,70	0,62	3,34	2,62	0,68	3,18	2,54	0,74	3,02	2,46	0,80	2,85	2,38	0,86
31.4	11	20	2,90	2,90	0,26	2,90	2,90	0,28	2,90	2,90	0,30	2,90	2,90	0,33	2,90	2,90	0,36	2,90	2,90	0,39	2,90	2,90	0,42	2,90	2,90	0,49	2,90	2,90	0,57	2,90	2,90	0,64	2,90	2,90	0,72	2,85	2,85	0,80	2,69	2,69	0,86
44.9	13	20	3,51	3,15	0,34	3,51	3,15	0,37	3,51	3,15	0,40	3,51	3,15	0,43	3,51	3,15	0,47	3,51	3,15	0,50	3,51	3,15	0,50	3,51	3,15	0,56	3,51	3,15	0,62	3,34	3,07	0,68	3,18	3,00	0,74	3,02	2,92	0,80	2,85	2,84	0,86
52.0	14	20	3,59	2,90	0,44	3,59	2,90	0,47	3,59	2,90	0,50	3,59	2,90	0,50	3,59	2,90	0,50	3,59	2,90	0,50	3,59	2,90	0,50	3,59	2,90	0,56	3,59	2,90	0,62	3,42	2,83	0,68	3,26	2,75	0,74	3,10	2,68	0,80	2,93	2,60	0,86
22.9	11	22	2,89	2,89	0,25	2,89	2,89	0,28	2,89	2,89	0,30	2,89	2,89	0,33	2,89	2,89	0,36	2,89	2,89	0,39	2,89	2,89	0,42	2,89	2,89	0,49	2,89	2,89	0,56	2,89	2,89	0,64	2,89	2,89	0,72	2,85	2,85	0,80	2,69	2,69	0,86
34.8	13	22	3,51	3,51	0,34	3,51	3,51	0,37	3,51	3,51	0,40	3,51	3,51	0,43	3,51	3,51	0,47	3,51	3,51	0,50	3,51	3,51	0,50	3,51	3,51	0,56	3,51	3,51	0,62	3,34	3,34	0,68	3,18	3,18	0,74	3,02	3,02	0,80	2,85	2,85	0,86
47.6	15	22	3,67	3,11	0,50	3,67	3,11	0,50	3,67	3,11	0,50	3,67	3,11	0,50	3,67	3,11	0,50	3,67	3,11	0,50	3,67	3,11	0,50	3,67	3,11	0,56	3,67	3,11	0,62	3,50	3,04	0,68	3,34	2,96	0,74	3,18	2,89	0,80	3,01	2,82	0,86
54.3	16	22	3,75	2,86	0,51	3,75	2,86	0,51	3,75	2,86	0,51	3,75	2,86	0,51	3,75	2,86	0,51	3,75	2,86	0,51	3,75	2,86	0,51	3,75	2,86	0,57	3,75	2,86	0,62	3,58	2,78	0,68	3,42	2,71	0,74	3,26	2,64	0,80	3,10	2,57	0,86
21.2	12	24	3,42	3,42	0,29	3,42	3,42	0,31	3,42	3,42	0,34	3,42	3,42	0,37	3,42	3,42	0,40	3,42	3,42	0,43	3,42	3,42	0,47	3,42	3,42	0,54	3,42	3,42	0,62	3,26	3,26	0,68	3,10	3,10	0,74	2,94	2,94	0,80	2,77	2,77	0,86
32.1	14	24	3,59	3,59	0,44	3,59	3,59	0,47	3,59	3,59	0,50	3,59	3,59	0,50	3,59	3,59	0,50	3,59	3,59	0,50	3,59	3,59	0,50	3,59	3,59	0,56	3,59	3,59	0,62	3,42	3,42	0,68	3,26	3,26	0,74	3,10	3,10	0,80	2,93	2,93	0,86
43.8	16	24	3,75	3,31	0,51	3,75	3,31	0,51	3,75	3,31	0,51	3,75	3,31	0,51	3,75	3,31	0,51	3,75	3,31	0,51	3,75	3,31	0,51	3,75	3,31	0,57	3,75	3,31	0,62	3,58	3,24	0,68	3,42	3,17	0,74	3,26	3,10	0,80	3,10	3,03	0,86
50.0	17	24	3,83	3,06	0,51	3,83	3,06	0,51	3,83	3,06	0,51	3,83	3,06	0,51	3,83	3,06	0,51	3,83	3,06	0,51	3,83	3,06	0,51	3,83	3,06	0,57	3,83	3,06	0,63	3,66	2,99	0,69	3,50	2,92	0,75	3,34	2,85	0,81	3,18	2,78	0,87
21.5	14	27	3,59	3,59	0,44	3,59	3,59	0,47	3,59	3,59	0,50	3,59	3,59	0,50	3,59	3,59	0,50	3,59	3,59	0,50	3,59	3,59	0,50	3,59	3,59	0,56	3,59	3,59	0,62	3,42	3,42	0,68	3,26	3,26	0,74	3,10	3,10	0,80	2,93	2,93	0,86
26.3	15	27	3,67	3,67	0,50	3,67	3,67	0,50	3,67	3,67	0,50	3,67	3,67	0,50	3,67	3,67	0,50	3,67	3,67	0,50	3,67	3,67	0,50	3,67	3,67	0,56	3,67	3,67	0,62	3,50	3,50	0,68	3,34	3,34	0,74	3,18	3,18	0,80	3,01	3,01	0,86
31.3	16	27	3,75	3,75	0,51	3,75	3,75	0,51	3,75	3,75	0,51	3,75	3,75	0,51	3,75	3,75	0,51	3,75	3,75	0,51	3,75	3,75	0,51	3,75	3,75	0,57	3,75	3,75	0,62	3,58	3,58	0,68	3,42	3,42	0,74	3,26	3,26	0,80	3,10	3,10	0,86

3D122105

RZAG35A / FHA50A9

Indoor			Outdoor temperature [°C DB]																																												
			-20			-15			-10			-5			0			5			10			15			20			25			30			35			40		
RH [%]	°CWB	°CDB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
%	°C	°C	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-
41.8	11	18	2,82	2,82	0,21	2,82	2,82	0,24	2,82	2,82	0,26	2,82	2,82	0,29	2,82	2,82	0,31	2,82	2,82	0,34	2,82	2,82	0,41	2,82	2,82	0,48	2,82	2,82	0,55	2,82	2,82	0,63	2,82	2,82	0,71	2,82	2,82	0,80	2,69	2,69	0,87
57.0	13		3,51	2,67	0,28	3,51	2,67	0,31	3,51	2,67	0,34	3,51	2,67	0,37	3,51	2,67	0,40	3,51	2,67	0,44	3,51	2,67	0,51	3,51	2,67	0,57	3,51	2,67	0,63	3,34	2,59	0,69	3,18	2,51	0,75	3,02	2,43	0,81	2,85	2,35	0,87
31.4	11	20	2,81	2,81	0,21	2,81	2,81	0,24	2,81	2,81	0,26	2,81	2,81	0,28	2,81	2,81	0,31	2,81	2,81	0,34	2,81	2,81	0,41	2,81	2,81	0,47	2,81	2,81	0,55	2,81	2,81	0,63	2,81	2,81	0,71	2,81	2,81	0,80	2,69	2,69	0,87
44.9	13		3,51	3,11	0,28	3,51	3,11	0,31	3,51	3,11	0,34	3,51	3,11	0,37	3,51	3,11	0,40	3,51	3,11	0,44	3,51	3,11	0,51	3,51	3,11	0,57	3,51	3,11	0,63	3,34	3,03	0,69	3,18	2,95	0,75	3,02	2,87	0,81	2,85	2,79	0,87
52.0	14		3,59	2,87	0,35	3,59	2,87	0,38	3,59	2,87	0,42	3,59	2,87	0,45	3,59	2,87	0,45	3,59	2,87	0,45	3,59	2,87	0,51	3,59	2,87	0,57	3,59	2,87	0,63	3,42	2,79	0,69	3,26	2,71	0,75	3,10	2,64	0,81	2,93	2,56	0,87
22.9	11	22	2,81	2,81	0,21	2,81	2,81	0,23	2,81	2,81	0,26	2,81	2,81	0,28	2,81	2,81	0,31	2,81	2,81	0,34	2,81	2,81	0,40	2,81	2,81	0,47	2,81	2,81	0,55	2,81	2,81	0,63	2,81	2,81	0,71	2,81	2,81	0,80	2,69	2,69	0,87
34.8	13		3,51	3,51	0,28	3,51	3,51	0,31	3,51	3,51	0,34	3,51	3,51	0,37	3,51	3,51	0,40	3,51	3,51	0,44	3,51	3,51	0,51	3,51	3,51	0,57	3,51	3,51	0,63	3,34	3,34	0,69	3,18	3,18	0,75	3,02	3,02	0,81	2,85	2,85	0,87
47.6	15		3,67	3,07	0,45	3,67	3,07	0,45	3,67	3,07	0,45	3,67	3,07	0,45	3,67	3,07	0,45	3,67	3,07	0,45	3,67	3,07	0,51	3,67	3,07	0,57	3,67	3,07	0,63	3,50	2,99	0,69	3,34	2,92	0,75	3,18	2,84	0,82	3,01	2,77	0,88
54.3	16		3,75	2,82	0,51	3,75	2,82	0,51	3,75	2,82	0,51	3,75	2,82	0,51	3,75	2,82	0,51	3,75	2,82	0,51	3,75	2,82	0,51	3,75	2,82	0,57	3,75	2,82	0,64	3,58	2,75	0,70	3,42	2,67	0,76	3,26	2,60	0,82	3,10	2,53	0,88
21.2	12	24	3,33	3,33	0,25	3,33	3,33	0,27	3,33	3,33	0,30	3,33	3,33	0,33	3,33	3,33	0,36	3,33	3,33	0,39	3,33	3,33	0,46	3,33	3,33	0,54	3,33	3,33	0,61	3,26	3,26	0,69	3,10	3,10	0,75	2,94	2,94	0,81	2,77	2,77	0,87
32.1	14		3,59	3,59	0,35	3,59	3,59	0,38	3,59	3,59	0,42	3,59	3,59	0,45	3,59	3,59	0,45	3,59	3,59	0,45	3,59	3,59	0,51	3,59	3,59	0,57	3,59	3,59	0,63	3,42	3,42	0,69	3,26	3,26	0,75	3,10	3,10	0,81	2,93	2,93	0,87
43.8	16		3,75	3,26	0,51	3,75	3,26	0,51	3,75	3,26	0,51	3,75	3,26	0,51	3,75	3,26	0,51	3,75	3,26	0,51	3,75	3,26	0,51	3,75	3,26	0,57	3,75	3,26	0,64	3,58	3,19	0,70	3,42	3,12	0,76	3,26	3,05	0,82	3,10	2,98	0,88
50.0	17		3,83	3,01	0,52	3,83	3,01	0,52	3,83	3,01	0,52	3,83	3,01	0,52	3,83	3,01	0,52	3,83	3,01	0,52	3,83	3,01	0,52	3,83	3,01	0,58	3,83	3,01	0,64	3,66	2,94	0,70	3,50	2,87	0,76	3,34	2,81	0,82	3,18	2,74	0,88
21.5	14	27	3,59	3,59	0,35	3,59	3,59	0,38	3,59	3,59	0,42	3,59	3,59	0,45	3,59	3,59	0,45	3,59	3,59	0,45	3,59	3,59	0,51	3,59	3,59	0,57	3,59	3,59	0,63	3,42	3,42	0,69	3,26	3,26	0,75	3,10	3,10	0,81	2,93	2,93	0,87
26.3	15		3,67	3,67	0,45	3,67	3,67	0,45	3,67	3,67	0,45	3,67	3,67	0,45	3,67	3,67	0,45	3,67	3,67	0,45	3,67	3,67	0,51	3,67	3,67	0,57	3,67	3,67	0,63	3,50	3,50	0,69	3,34	3,34	0,75	3,18	3,18	0,82	3,01	3,01	0,88
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	0,64	3,58	3,58	0,70	3,42	3,42	0,76	3,26	3,26	0,82	3,10	3,10	0,88

3D12043

RZAG35A / FBA50A9

Indoor			Outdoor temperature [°C DB]																																												
			-20			-15			-10			-5			0			5			10			15			20			25			30			35			40		
RH [%]	°CWB	°CDB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
%	°C	°C	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-
41.8	11	18	3,34	3,34	0,25	3,34	3,34	0,27	3,34	3,34	0,30	3,34	3,34	0,33	3,34	3,34	0,36	3,34	3,34	0,39	3,34	3,34	0,46	3,34	3,34	0,52	3,34	3,34	0,58	3,18	3,18	0,63	3,02	3,02	0,69	2,85	2,85	0,74	2,69	2,69	0,80
57.0	13		3,51	2,92	0,41	3,51	2,92	0,41	3,51	2,92	0,41	3,51	2,92	0,41	3,51	2,92	0,41	3,51	2,92	0,41	3,51	2,92	0,47	3,51	2,92	0,52	3,51	2,92	0,58	3,34	2,85	0,64	3,18	2,77	0,69	3,02	2,69	0,75	2,85	2,62	0,80
31.4	11	20	3,34	3,34	0,25	3,34	3,34	0,27	3,34	3,34	0,30	3,34	3,34	0,33	3,34	3,34	0,36	3,34	3,34	0,39	3,34	3,34	0,46	3,34	3,34	0,52	3,34	3,34	0,58	3,18	3,18	0,63	3,02	3,02	0,69	2,85	2,85	0,74	2,69	2,69	0,80
44.9	13		3,51	3,48	0,41	3,51	3,48	0,41	3,51	3,48	0,41	3,51	3,48	0,41	3,51	3,48	0,41	3,51	3,48	0,41	3,51	3,48	0,47	3,51	3,48	0,52	3,51	3,48	0,58	3,34	3,34	0,64	3,18	3,18	0,69	3,02	3,02	0,75	2,85	2,85	0,80
52.0	14		3,59	3,18	0,47	3,59	3,18	0,47	3,59	3,18	0,47	3,59	3,18	0,47	3,59	3,18	0,47	3,59	3,18	0,47	3,59	3,18	0,47	3,59	3,18	0,53	3,59	3,18	0,58	3,42	3,11	0,64	3,26	3,03	0,69	3,10	2,96	0,75	2,93	2,89	0,81
22.9	11	22	3,34	3,34	0,24	3,34	3,34	0,27	3,34	3,34	0,30	3,34	3,34	0,33	3,34	3,34	0,36	3,34	3,34	0,39	3,34	3,34	0,46	3,34	3,34	0,52	3,34	3,34	0,58	3,18	3,18	0,63	3,02	3,02	0,69	2,85	2,85	0,74	2,69	2,69	0,80
34.8	13		3,51	3,51	0,41	3,51	3,51	0,41	3,51	3,51	0,41	3,51	3,51	0,41	3,51	3,51	0,41	3,51	3,51	0,41	3,51	3,51	0,47	3,51	3,51	0,52	3,51	3,51	0,58	3,34	3,34	0,64	3,18	3,18	0,69	3,02	3,02	0,75	2,85	2,85	0,80
47.6	15		3,67	3,44	0,47	3,67	3,44	0,47	3,67	3,44	0,47	3,67	3,44	0,47	3,67	3,44	0,47	3,67	3,44	0,47	3,67	3,44	0,47	3,67	3,44	0,53	3,67	3,44	0,58	3,50	3,37	0,64	3,34	3,29	0,70	3,18	3,18	0,75	3,01	3,01	0,81
54.3	16		3,75	3,13	0,47	3,75	3,13	0,47	3,75	3,13	0,47	3,75	3,13	0,47	3,75	3,13	0,47	3,75	3,13	0,47	3,75	3,13	0,47	3,75	3,13	0,53	3,75	3,13	0,58	3,58	3,06	0,64	3,42	2,99	0,70	3,26	2,92	0,75	3,10	2,86	0,81
21.2	12	24	3,42	3,42	0,29	3,42	3,42	0,32	3,42	3,42	0,35	3,42	3,42	0,38	3,42	3,42	0,41	3,42	3,42	0,41	3,42	3,42	0,47	3,42	3,42	0,52	3,42	3,42	0,58	3,26	3,26	0,63	3,10	3,10	0,69	2,94	2,94	0,75	2,77	2,77	0,80
32.1	14		3,59	3,59	0,47	3,59	3,59	0,47	3,59	3,59	0,47	3,59	3,59	0,47	3,59	3,59	0,47	3,59	3,59	0,47	3,59	3,59	0,47	3,59	3,59	0,53	3,59	3,59	0,58	3,42	3,42	0,64	3,26	3,26	0,69	3,10	3,10	0,75	2,93	2,93	0,81
43.8	16		3,75	3,69	0,47	3,75	3,69	0,47	3,75	3,69	0,47	3,75	3,69	0,47	3,75	3,69	0,47	3,75	3,69	0,47	3,75	3,69	0,47	3,75	3,69	0,53	3,75	3,69	0,58	3,58	3,58	0,64	3,42	3,42	0,70	3,26	3,26	0,75	3,10	3,10	0,81
50.0	17		3,83	3,38	0,47	3,83	3,38	0,47	3,83	3,38	0,47	3,83	3,38	0,47	3,83	3,38	0,47	3,83	3,38	0,47	3,83	3,38	0,47	3,83	3,38	0,53	3,83	3,38	0,59	3,66	3,32	0,64	3,50	3,25	0,70	3,34	3,18	0,75	3,18	3,12	0,81
21.5	14	27	3,59	3,59	0,47	3,59	3,59	0,47	3,59	3,59	0,47	3,59	3,59	0,47	3,59	3,59	0,47	3,59	3,59	0,47	3,59	3,59	0,47	3,59	3,59	0,53	3,59	3,59	0,58	3,42	3,42	0,64	3,26	3,26	0,69	3,10	3,10	0,75	2,93	2,93	0,81
26.3	15		3,67	3,67	0,47	3,67	3,67	0,47	3,67	3,67	0,47	3,67	3,67	0,47	3,67	3,67	0,47	3,67	3,67	0,47	3,67	3,67	0,47	3,67	3,67	0,53	3,67	3,67	0,58	3,50	3,50	0,64	3,34	3,34	0,70	3,18	3,18	0,75	3,01	3,01	0,81
31.3	16		3,75	3,75	0,47	3,75	3,75	0,47	3,75	3,75	0,47	3,75	3,75	0,47	3,75	3,75	0,47	3,75	3,75	0,47	3,75	3,75	0,47	3,75	3,75	0,53	3,75	3,75	0,58	3,58	3,58	0,64	3,42	3,42	0,70	3,26	3,26	0,75	3,10	3,10	0,81

3D120432

Symbols

TC: 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 5kW outdoor system

RZAG50A / FTXM60N

Indoor temperature			Outdoor temperature [°C DB]																																						
			-20			-15			-10			-5			0			5			10			15			20			25			30			35			40		
RH [%]	°EWB	°EDB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
%	°C	°C	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-
41.8	11	18	3,27	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
57.0	13		4,54	3,33	0,46	4,54	3,33	0,50	4,54	3,33	0,55	4,54	3,33	0,60	4,54	3,33	0,65	4,54	3,33	0,71	4,54	3,33	0,76	4,54	3,33	0,86	4,54	3,33	0,95	4,54	3,33	1,04	4,54	3,33	1,13	4,31	3,21	1,22	4,08	3,10	1,32
31.4	11	20	3,26	3,26	0,44	3,26	3,26	0,47	3,26	3,26	0,51	3,26	3,26	0,56	3,26	3,26	0,62	3,26	3,26	0,68	3,26	3,26	0,75	3,26	3,26	0,85	3,26	3,26	0,94	3,26	3,26	1,03	3,26	3,26	1,13	3,26	3,26	1,22	3,26	3,26	1,31
44.9	13		4,52	3,84	0,46	4,52	3,84	0,50	4,52	3,84	0,55	4,52	3,84	0,60	4,52	3,84	0,65	4,52	3,84	0,71	4,52	3,84	0,76	4,52	3,84	0,86	4,52	3,84	0,95	4,52	3,84	1,04	4,52	3,84	1,13	4,31	3,73	1,22	4,08	3,61	1,32
52.0	14		5,12	3,80	0,47	5,12	3,80	0,52	5,12	3,80	0,56	5,12	3,80	0,61	5,12	3,80	0,66	5,12	3,80	0,72	5,12	3,80	0,77	5,12	3,80	0,86	5,12	3,80	0,95	4,89	3,68	1,04	4,66	3,57	1,13	4,42	3,45	1,23	4,19	3,34	1,32
22.9	11	22	3,25	3,25	0,44	3,25	3,25	0,47	3,25	3,25	0,51	3,25	3,25	0,56	3,25	3,25	0,62	3,25	3,25	0,68	3,25	3,25	0,75	3,25	3,25	0,85	3,25	3,25	0,94	3,25	3,25	1,03	3,25	3,25	1,13	3,25	3,25	1,22	3,25	3,25	1,31
34.8	13		4,51	4,34	0,46	4,51	4,34	0,50	4,51	4,34	0,55	4,51	4,34	0,60	4,51	4,34	0,65	4,51	4,34	0,71	4,51	4,34	0,76	4,51	4,34	0,86	4,51	4,34	0,95	4,51	4,34	1,04	4,51	4,34	1,13	4,31	4,24	1,22	4,08	4,08	1,32
47.6	15		5,24	4,02	0,48	5,24	4,02	0,53	5,24	4,02	0,58	5,24	4,02	0,63	5,24	4,02	0,68	5,24	4,02	0,72	5,24	4,02	0,77	5,24	4,02	0,86	5,24	4,02	0,95	5,00	3,91	1,05	4,77	3,80	1,14	4,54	3,69	1,23	4,31	3,58	1,32
54.3	16		5,35	3,73	0,63	5,35	3,73	0,68	5,35	3,73	0,73	5,35	3,73	0,77	5,35	3,73	0,77	5,35	3,73	0,77	5,35	3,73	0,77	5,35	3,73	0,87	5,35	3,73	0,96	5,12	3,62	1,05	4,89	3,51	1,14	4,65	3,41	1,23	4,42	3,30	1,32
21.2	12	24	3,86	3,86	0,45	3,86	3,86	0,49	3,86	3,86	0,53	3,86	3,86	0,58	3,86	3,86	0,64	3,86	3,86	0,70	3,86	3,86	0,76	3,86	3,86	0,85	3,86	3,86	0,95	3,86	3,86	1,04	3,86	3,86	1,13	3,86	3,86	1,22	3,86	3,86	1,31
32.1	14		5,12	4,83	0,47	5,12	4,83	0,51	5,12	4,83	0,56	5,12	4,83	0,61	5,12	4,83	0,66	5,12	4,83	0,72	5,12	4,83	0,77	5,12	4,83	0,86	5,12	4,83	0,95	4,89	4,71	1,04	4,66	4,60	1,13	4,42	4,42	1,23	4,19	4,19	1,32
43.8	16		5,35	4,25	0,63	5,35	4,25	0,68	5,35	4,25	0,73	5,35	4,25	0,77	5,35	4,25	0,77	5,35	4,25	0,77	5,35	4,25	0,77	5,35	4,25	0,87	5,35	4,25	0,96	5,12	4,14	1,05	4,89	4,03	1,14	4,65	3,92	1,23	4,42	3,82	1,32
50.0	17		5,47	3,95	0,78	5,47	3,95	0,78	5,47	3,95	0,78	5,47	3,95	0,78	5,47	3,95	0,78	5,47	3,95	0,78	5,47	3,95	0,78	5,47	3,95	0,87	5,47	3,95	0,96	5,24	3,85	1,05	5,00	3,74	1,14	4,77	3,64	1,23	4,54	3,54	1,33
21.5	14	27	5,12	5,12	0,47	5,12	5,12	0,51	5,12	5,12	0,56	5,12	5,12	0,61	5,12	5,12	0,66	5,12	5,12	0,72	5,12	5,12	0,77	5,12	5,12	0,86	5,12	5,12	0,95	4,89	4,89	1,04	4,66	4,66	1,13	4,42	4,42	1,23	4,19	4,19	1,32
26.3	15		5,24	5,24	0,48	5,24	5,24	0,53	5,24	5,24	0,58	5,24	5,24	0,63	5,24	5,24	0,68	5,24	5,24	0,72	5,24	5,24	0,77	5,24	5,24	0,86	5,24	5,24	0,95	5,00	5,00	1,05	4,77	4,77	1,14	4,54	4,54	1,23	4,31	4,31	1,32
31.3	16		5,35	5,02	0,63	5,35	5,02	0,68	5,35	5,02	0,72	5,35	5,02	0,77	5,35	5,02	0,77	5,35	5,02	0,77	5,35	5,02	0,77	5,35	5,02	0,87	5,35	5,02	0,96	5,12	4,91	1,05	4,89	4,80	1,14	4,65	4,65	1,23	4,42	4,42	1,32

3D122107

RZAG50A / FHA60A9

Indoor			Outdoor temperature [°C DB]																																						
			-20			-15			-10			-5			0			5			10			15			20			25			30			35			40		
RH [%]	°CWB	°CDB	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	-
42.0	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
57.0	13		5,01	3,81	0,40	5,01	3,81	0,44	5,01	3,81	0,49	5,01	3,81	0,53	5,01	3,81	0,58	5,01	3,81	0,63	5,01	3,81	0,73	5,01	3,81	0,82	5,01	3,81	0,90	4,77	3,69	0,99	4,54	3,58	1,08	4,31	3,47	1,16	4,08	3,36	1,25
31.0	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
45.0	13		5,01	4,44	0,40	5,01	4,44	0,44	5,01	4,44	0,49	5,01	4,44	0,53	5,01	4,44	0,58	5,01	4,44	0,63	5,01	4,44	0,73	5,01	4,44	0,82	5,01	4,44	0,90	4,77	4,33	0,99	4,54	4,21	1,08	4,31	4,10	1,16	4,08	3,99	1,25
52.0	14		5,12	4,10	0,50	5,12	4,10	0,55	5,12	4,10	0,60	5,12	4,10	0,64	5,12	4,10	0,64	5,12	4,10	0,64	5,12	4,10	0,73	5,12	4,10	0,82	5,12	4,10	0,91	4,89	3,99	0,99	4,66	3,88	1,08	4,42	3,77	1,17	4,19	3,66	1,25
23.0	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
35.0	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
48.0	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
54.0	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
21.0	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
32.0	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
44.0	16		5,35	4,66	0,74	5,35	4,66	0,74	5,35	4,66	0,74	5,35	4,66	0,74	5,35	4,66	0,74	5,35	4,66	0,74	5,35	4,66	0,74	5,35	4,66	0,82	5,35	4,66	0,91	5,12	4,56	1,00	4,89	4,46	1,08	4,65	4,35	1,17	4,42	4,25	1,26
50.0	17		5,47	4,30	0,74	5,47	4,30	0,74	5,47	4,30	0,74	5,47	4,30	0,74	5,47	4,30	0,74	5,47	4,30	0,74	5,47	4,30	0,74	5,47	4,30	0,83	5,47	4,30	0,91	5,24	4,20	1,00	5,00	4,11	1,09	4,77	4,01	1,17	4,54	3,91	1,26
22.0	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
26.0	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
31.0	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

3D120441

RZAG50A / FBA60A9

Indoor			Outdoor temperature [°C DB]																																						
			-20			-15			-10			-5			0			5			10			15			20			25			30			35			40		
RH [%]	°CWB	°CDB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
%	°C	°C	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-	kW	kW	-
41.8	11	18	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
57.0	13		5,01	3,81	0,41	5,01	3,81	0,46	5,01	3,81	0,50	5,01	3,81	0,55	5,01	3,81	0,60	5,01	3,81	0,65	5,01	3,81	0,75	5,01	3,81	0,84	5,01	3,81	0,93	4,77	3,70	1,02	4,54	3,59	1,11	4,31	3,47	1,20	4,08	3,36	1,29
31.4	11	20	4,03	4,03	0,33	4,03	4,03	0,36	4,03	4,03	0,40	4,03	4,03	0,44	4,03	4,03	0,48	4,03	4,03	0,53	4,03	4,03	0,62	4,03	4,03	0,73	4,03	4,03	0,84	4,03	4,03	0,95	4,03	4,03	1,07	4,03	4,03	1,19	3,85	3,85	1,28
44.9	13		5,01	4,45	0,41	5,01	4,45	0,46	5,01	4,45	0,50	5,01	4,45	0,55	5,01	4,45	0,60	5,01	4,45	0,65	5,01	4,45	0,75	5,01	4,45	0,84	5,01	4,45	0,93	4,77	4,34	1,02	4,54	4,22	1,11	4,31	4,11	1,20	4,08	4,00	1,29
52.0	14		5,12	4,10	0,52	5,12	4,10	0,57	5,12	4,10	0,62	5,12	4,10	0,66	5,12	4,10	0,66	5,12	4,10	0,66	5,12	4,10	0,75	5,12	4,10	0,84	5,12	4,10	0,93	4,89	3,99	1,02	4,66	3,88	1,11	4,42	3,77	1,20	4,19	3,67	1,29
22.9	11	22	4,02	4,02	0,33	4,02	4,02	0,36	4,02	4,02	0,40	4,02	4,02	0,44	4,02	4,02	0,48	4,02	4,02	0,52	4,02	4,02	0,62	4,02	4,02	0,73	4,02	4,02	0,84	4,02	4,02	0,95	4,02	4,02	1,07	4,02	4,02	1,19	3,85	3,85	1,28
34.8	13		5,01	5,01	0,41	5,01	5,01	0,46	5,01	5,01	0,50	5,01	5,01	0,55	5,01	5,01	0,60	5,01	5,01	0,65	5,01	5,01	0,75	5,01	5,01	0,84	5,01	5,01	0,93	4,77	4,77	1,02	4,54	4,54	1,11	4,31	4,31	1,20	4,08	4,08	1,29
47.6	15		5,24	4,39	0,67	5,24	4,39	0,67	5,24	4,39	0,67	5,24	4,39	0,67	5,24	4,39	0,67	5,24	4,39	0,67	5,24	4,39	0,76	5,24	4,39	0,85	5,24	4,39	0,94	5,00	4,28	1,03	4,77	4,17	1,12	4,54	4,07	1,21	4,31	3,97	1,30
54.3	16		5,35	4,03	0,76	5,35	4,03	0,76	5,35	4,03	0,76	5,35	4,03	0,76	5,35	4,03	0,76	5,35	4,03	0,76	5,35	4,03	0,76	5,35	4,03	0,85	5,35	4,03	0,94	5,12	3,93	1,03	4,89	3,83	1,12	4,65	3,73	1,21	4,42	3,63	1,30
21.2	12	24	4,78	4,78	0,37	4,78	4,78	0,41	4,78	4,78	0,45	4,78	4,78	0,49	4,78	4,78	0,54	4,78	4,78	0,59	4,78	4,78	0,69	4,78	4,78	0,80	4,78	4,78	0,92	4,66	4,66	1,02	4,43	4,43	1,11	4,19	4,19	1,20	3,96	3,96	1,29
32.1	14		5,12	5,12	0,52	5,12	5,12	0,57	5,12	5,12	0,62	5,12	5,12	0,66	5,12	5,12	0,66	5,12	5,12	0,66	5,12	5,12	0,75	5,12	5,12	0,84	5,12	5,12	0,93	4,89	4,89	1,02	4,66	4,66	1,11	4,42	4,42	1,20	4,19	4,19	1,29
43.8	16		5,35	4,67	0,76	5,35	4,67	0,76	5,35	4,67	0,76	5,35	4,67	0,76	5,35	4,67	0,76	5,35	4,67	0,76	5,35	4,67	0,76	5,35	4,67	0,85	5,35	4,67	0,94	5,12	4,57	1,03	4,89	4,46	1,12	4,65	4,36	1,21	4,42	4,26	1,30
50.0	17		5,47	4,31	0,76	5,47	4,31	0,76	5,47	4,31	0,76	5,47	4,31	0,76	5,47	4,31	0,76	5,47	4,31	0,76	5,47	4,31	0,76	5,47	4,31	0,85	5,47	4,31	0,94	5,24	4,21	1,03	5,00	4,11	1,12	4,77	4,02	1,21	4,54	3,92	1,30
21.5	14	27	5,12	5,12	0,52	5,12	5,12	0,57	5,12	5,12	0,61	5,12	5,12	0,66	5,12	5,12	0,66	5,12	5,12	0,66	5,12	5,12	0,75	5,12	5,12	0,84	5,12	5,12	0,93	4,89	4,89	1,02	4,66	4,66	1,11	4,42	4,42	1,20	4,19	4,19	1,29
26.3	15		5,24	5,24	0,67	5,24	5,24	0,67	5,24	5,24	0,67	5,24	5,24	0,67	5,24	5,24	0,67	5,24	5,24	0,67	5,24	5,24	0,76	5,24	5,24	0,85	5,24	5,24	0,94	5,00	5,00	1,03	4,77	4,77	1,12	4,54	4,54	1,21	4,31	4,31	1,30
31.3	16		5,35	5,35	0,76	5,35	5,35	0,76	5,35	5,35	0,76	5,35	5,35	0,76	5,35	5,35	0,76	5,35	5,35	0,76	5,35	5,35	0,76	5,35	5,35	0,85	5,35	5,35	0,94	5,12	5,12	1,03	4,89	4,89	1,12	4,65	4,65	1,21	4,42	4,42	1,30

3D120433

Boosted capacity indoor unit with 6kW outdoor system

RZAG60A / FTXM71N

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

3D122109

RZAG60A / FHA71A9

Indoor			Outdoor temperature [°C DB]																																						
			-20			-15			-10			-5			0			5			10			15			20			25			30			35			40		
RH [%]	°CWB	°CDB	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	-
42.0	11	18	4.61	4.61	0.41	4.61	4.61	0.45	4.61	4.61	0.50	4.61	4.61	0.55	4.61	4.61	0.61	4.61	4.61	0.67	4.61	4.61	0.80	4.61	4.61	0.93	4.61	4.61	1.05	4.61	4.61	1.15	4.61	4.61	1.25	4.61	4.61	1.35	4.61	4.61	1.46
57.0	13		6.01	4.50	0.47	6.01	4.50	0.51	6.01	4.50	0.57	6.01	4.50	0.62	6.01	4.50	0.68	6.01	4.50	0.74	6.01	4.50	0.85	6.01	4.50	0.95	6.01	4.50	1.05	5.73	4.36	1.16	5.45	4.22	1.26	5.17	4.08	1.36	4.89	3.95	1.46
31.0	11		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
45.0	13	20	6.01	5.22	0.47	6.01	5.22	0.51	6.01	5.22	0.57	6.01	5.22	0.62	6.01	5.22	0.68	6.01	5.22	0.74	6.01	5.22	0.85	6.01	5.22	0.95	6.01	5.22	1.05	5.73	5.08	1.16	5.45	4.94	1.26	5.17	4.81	1.36	4.89	4.67	1.46
52.0	14		6.15	4.82	0.54	6.15	4.82	0.59	6.15	4.82	0.64	6.15	4.82	0.70	6.15	4.82	0.75	6.15	4.82	0.75	6.15	4.82	0.85	6.15	4.82	0.96	6.15	4.82	1.06	5.87	4.69	1.16	5.59	4.56	1.26	5.31	4.42	1.36	5.03	4.29	1.47
23.0	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
35.0	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
48.0	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
54.0	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
21.0	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
32.0	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
44.0	16		6.42	5.47	0.86	6.42	5.47	0.86	6.42	5.47	0.86	6.42	5.47	0.86	6.42	5.47	0.86	6.42	5.47	0.86	6.42	5.47	0.86	6.42	5.47	0.96	6.42	5.47	1.06	6.14	5.34	1.17	5.86	5.22	1.27	5.59	5.09	1.37	5.31	4.97	1.47
50.0	17		6.56	5.06	0.86	6.56	5.06	0.86	6.56	5.06	0.86	6.56	5.06	0.86	6.56	5.06	0.86	6.56	5.06	0.86	6.56	5.06	0.86	6.56	5.06	0.97	6.56	5.06	1.07	6.28	4.93	1.17	6.00	4.81	1.27	5.72	4.70	1.37	5.44	4.58	1.47
22.0	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
26.0	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
31.0	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

3D120442

RZAG60A / FBA71A9

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

3D120434

Notes

1. The ratings shown are net capacities and include a deduction for indoor fan motor heat.
2. The capacities are based on the following conditions:
   › Outdoor air: 85% RH
   › Corresponding refrigerant piping length: 5.0 m
   › Level difference: 0m
3. CPI is a percentage value compared to the rated value of 1.00
4. For infrastructure cooling applications, it is recommended to use remote controller setting 16(26)-2-03
5. The error rate for this value is less than 5% and depends on the indoor unit type
6. The rated power inputs (PI) for each model are listed in the table above

For all capacity tables of RZAG-A 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	.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	1.80	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	156	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

3D125184

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

3D125185

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

3D125186

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

3D125187

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:

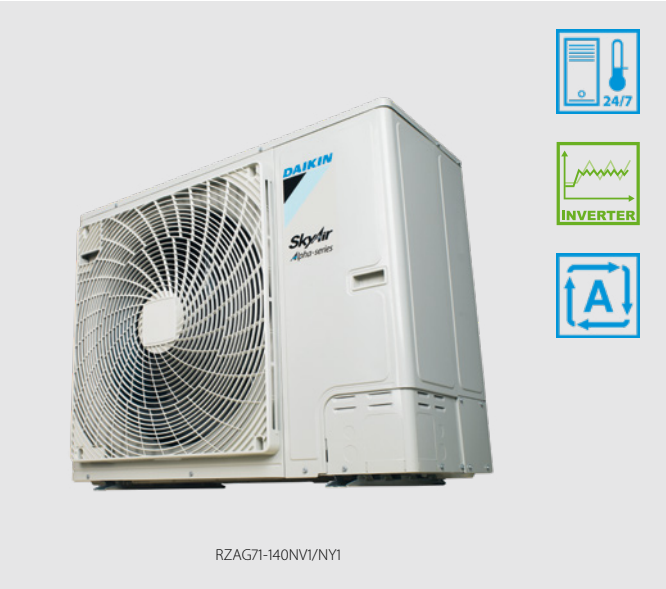
RZAG-NV1

RZAG-NY1

Sky Air Alpha-series

Industry leading technology in the most compact casing ever

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



RZAG71-140NV1/NY1

Comfort cooling combination table

			FCAHG-H				FCAG-B							FFA-A9			FDA-A	FDXM-F9			FBA-A(9)							FHA-A(9)							FAA-A		FTXM-N				FUA-A			FNA-A9			FVA-A			
	capacity class		71	100	125	140	35	50	60	71	100	125	140	35	50	60	125	35	50	60	35	50	60	71	100	125	140	35	50	60	71	100	125	140	71	100	35	50	60	71	71	100	125	35	50	60	71	100	125	140
	RZAG35A						P							P				P			P							P									P								P						
	RZAG50A							P							P				P			P								P								P									P					
	RZAG60A								P							P				P			P								P									P								P				
NEW	RZAG71NV1	RZAG71NY1	P				2			P				2				2			2			P				2			P				P						P			2			P			
NEW	RZAG100NV1	RZAG100NY1		P			3	2			P			3	2			3	2		3	2			P			3	2			P				P						P		3	2			P		
NEW	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	
NEW	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/tripple/double twin application

Infrastructure cooling combination table

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

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

More details and final information can be found on **my.daikin.eu**

RZAG-A RZAG-NV1 RZAG-NY1

Outdoor unit				RZAG	35A	50A	60A	71NV1	100NV1	125NV1	140NV1	71NY1	100NY1	125NY1	140NY1
Dimensions	Unit	HeightxWidthxDepth		mm	734x870x373			870x1,100x460							
Weight	Unit			kg	52			81.4	84.5	95.5	95.5	81.4	84.5	95.5	95.5
Sound power level	Cooling			dBA	62	63	64	64	66	69	70	64	66	69	70
	Heating			dBA	62	63	64								
Sound pressure level	Cooling	Nom.		dBA	48	49	50	46	47	49	50	46	47	49	50
	Heating	Nom.		dBA	48	49	50	48	50	52		48	50	52	
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-20 / +52			-20~52							
	Heating	Ambient	Min.~Max.	°CWB	-20 / +24			-20~18.0							
Refrigerant	Type/GWP				R32 / 675			R-32/675							
	Charge			kg/TCO2Eq	1.55/1.05			3.20/2.16	3.20/2.16	3.70/2.50	3.70/2.50	3.20/2.16	3.20/2.16	3.70/2.50	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	50			75	100			75	100		
			Chargeless	m	30			40							
	Additional refrigerant charge			kg/m	See installation manual										
	Level difference	IU - OU	Max.	m	30			30.0							
Power supply	Phase/Frequency/Voltage			Hz/V	Single / 50 / 230			1~/50/220-240				3~/50/380-415			
Current - 50Hz	Maximum fuse amps (MFA)			A	16	16	20	20	32			16			

R-32

Sky Air Advance-series BLUEVOLUTION

Sky Air Advance-series

Technology and comfort combined for commercial applications

› High efficiency:
- Energy labels up to A++ (cooling) / A+ (heating)
- compressor offers substantial efficiency improvements

› Very compact and easy to install
› Replace existing systems with R-32 technology without needing to replace the piping

› Guarantees operation in both heating and cooling mode down to -15°C
› Refrigerant cooled PCB guarantees reliable cooling, as it is not influenced by ambient temperature.
› Maximum piping length up to 50m, minimum piping length has no limitation
› Outdoor units for pair, twin, triple, double twin application

RZASG100-140MV1_MY1

Pair, twin, triple and double twin application

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

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

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

More details and final information can be found on **my.daikin.eu**

RZASG-MV1

RZASG-MY1

Outdoor unit				RZASG/RZASG	71MV1	100MV1	125MV1	140MV1	100MY1	125MY1	140MY1
Dimensions	Unit	HeightxWidthxDepth		mm	770x900x320	990x940x320					
Weight	Unit			kg	60	70		78	70		77
Sound power level	Cooling			dBA	65	70	71	73	70	71	73
	Heating			dBA	-		71	73	-	71	73
Sound pressure level	Cooling	Nom.		dBA	46	53		54	53		54
	Heating	Nom.		dBA	47	57					
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-15~46						
	Heating	Ambient	Min.~Max.	°CWB	-15~15.5						
Refrigerant	Type/GWP				R-32/675						
	Charge			kg/TCO2Eq	2.45/1.65	2.60/1.76		2.90/1.96	2.60/1.76		2.90/1.96
Piping connections	Liquid/Gas	OD		mm	952/15.9						
	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		

RZA-D

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
- Marketing-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

RZA200-250D

Comfort cooling combination table

	FCAG-B					FFA-A9		FDXM-F9		FBA-A(9)					FHA-A(9)					FDA-A (NEW)			FUA-A			FAA-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	50	60
RZA200A	4	3	3	2		4	3	4	3	4	3	3	2		4	3	3	2			P		3	2		3	2	4	3
RZA250A		4			2		4		4		4			4		2			2	2		P			2				4

RZA-D

Outdoor unit					**RZA200D**	**RZA250D**
Dimensions	Unit	HeightxWidthxDepth		mm	870x1,100x460	
Weight	Unit			kg	120	
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/TCO_2Eq	5.0/3.38	
Piping connections	Liquid/Gas	OD		mm	9.52/22.2	
	Piping length	OU - IU	Max.	m	100	
			Chargeless	m	30	
	Additional refrigerant charge			kg/m	See installation manual	
	Level difference	IU - OU	Max.	m	30	
Power supply	Phase/Frequency/Voltage			Hz/V	3~/50/380-415	
Current - 50Hz	Maximum fuse amps (MFA)			A	25	

(1) MFA is used to select the circuit breaker and the ground fault circuit interrupter (earth leakage circuit breaker). For more detailed information on each combination, please refer to the electrical data drawing.

R-32

SkyAir Active-series BLUEVOLUTION

Sky Air Active-series

Ideal solution for busy environments and small shops

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

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

AZAS100-140MV1_MY1

Pair application

	FCAG-B				FBA-A(9)				FAA-A				ADEA-A		
Capacity class	71	100	125	140	71	100	125	140	71	100	125	140	71	100	125
ARXM-N9	P				P				P				P		
AZAS-MV1		P	P	P		P	P	P		P				P	P
AZAS-MY1		P	P	P		P	P	P		P					

P = pair application

ARXM-N9 AZAS-MV1 AZAS-MY1

Outdoor unit					ARXM71N9	AZAS100MV1	AZAS125MV1	AZAS140MV1	AZAS100MY1	AZAS125MY1	AZAS140MY1
Dimensions	Unit	HeightxWidthxDepth		mm	734x870x373	990x940x320					
Weight	Unit			kg	50.0	70		78	70		77
Sound power level	Cooling			dBA	65	70	71	73	70	71	73
	Heating			dBA	65	-	71	73	-	71	73
Sound pressure level	Cooling	Nom.		dBA	52	53		54	53		54
	Heating	Nom.		dBA	52	57					
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~46	-5~46					
	Heating	Ambient	Min.~Max.	°CWB	-15~24	-15~15.5					
Refrigerant	Type/GWP				R-32/675						
	Charge			kg/TCO2Eq	1.15/0.78	2.60/1.76		2.90/1.96	2.60/1.76		2.90/1.96
Piping connections	Liquid/Gas	OD		mm	9.52/15.90						
	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	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		

Daikin rooftops series

An extensive package included in all models

TÜV NORD

ErP compliant 2018

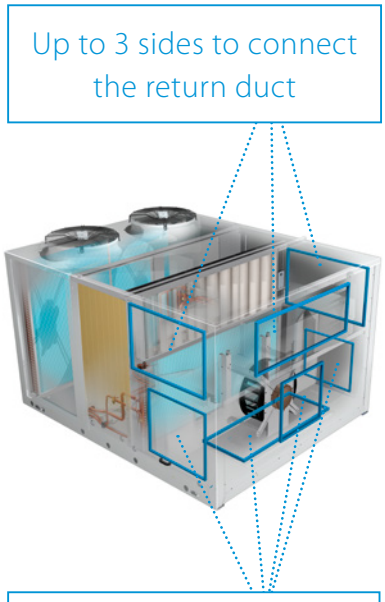
3 years warranty

1 Standard integrated high efficiency EC plug fans

› Static pressure up to 300Pa
› Inverter controlled
› Maintenance free

2 Standard flexible air delivery

› Up to 4 possible sides can be selected on site (front, left, right, bottom)



3 Latest pCO^5 controller

› Direct integration into Daikin intelligent Touch Manager BMS (via optional BACnet protocol)
› Easy integration in 3rd party BMS systems
  › Standard Modbus protocol
  › Optional BACnet protocol

4 Standard clogged filter alarm

› Indicates when a filter requires cleaning
› Improved indoor air quality and efficiency

5 Hydrophilic coated aluminium fins on indoor and outdoor side

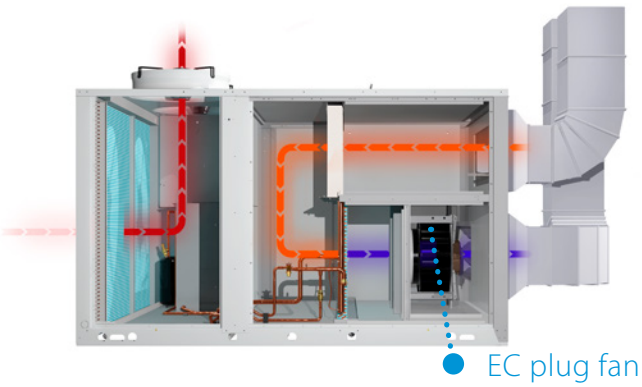
UATYQ-ABAY1

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



Cooling operation example

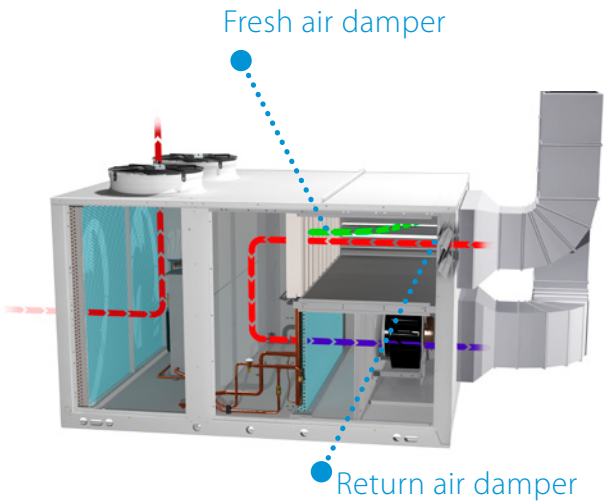
UATYQ-AFC2Y1

2 damper version, with integrated fresh air

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

› Standard CO_2 sensor connection
  › Ideal balance between efficiency and indoor air quality

› Includes all Base model features



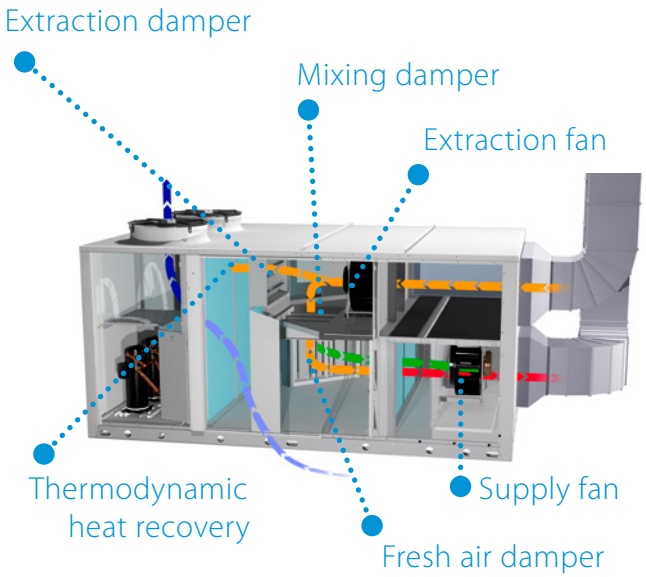
Cooling operation example

UATYQ-AFC3Y1

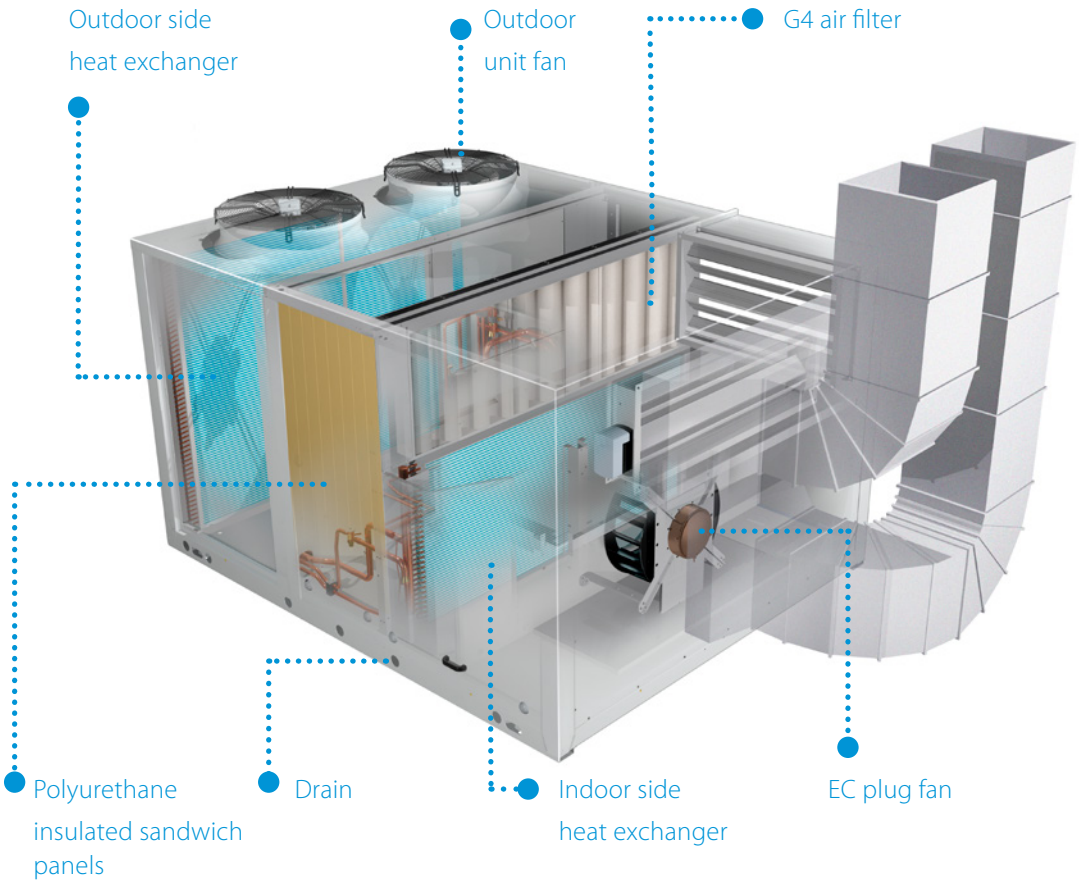
3 damper version, with integrated fresh air and extraction

› Extraction damper integrated
  › Eliminates excessive overpressure in the building
  › UATYQ45-115AFC3Y1 models include high efficient extraction fan for optimum air circulation in larger buildings

› Thermo dynamic heat recovery
  › Saves energy by recovering waste heat through the outdoor heat exchanger
  › Available on UATYQ20-55AFC3Y1



Heating operation example



UATYQ20ABAY1
UATYQ20AFC2Y1
UATYQ20AFC3Y1

UATYQ25-30ABAY1
UATYQ25-30AFC2Y1
UATYQ25-30AFC3Y1

UATYQ45-55ABAY1
UATYQ45-55AFC2Y1
UATYQ45-55AFC3Y1

UATYQ65-75ABAY1
UATYQ65-75AFC2Y1
UATYQ65-75AFC3Y1

UATYQ90-115ABAY1
UATYQ90-115AFC2Y1
UATYQ90-115AFC3Y1

Products overview rooftops

Capacity class (kW)

System	Type	Model	Product name	Refrigerant	20	25	30	45	50	55	65	75	90	100	115
For EU region	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 - Field convertible return and supply air - Direct integration with Daikin or third party BMS - Factory pre-charged refrigerant	UATYQ-ABAY1	R-410A	•	•	•	•	•	•	•	•	•	•	•
		Rooftop unit 2 damper version with integrated fresh air - 'Plug and play' for easy installation - Free cooling with up to 100% fresh air intake - High efficiency - Field convertible return and supply air - Direct integration with Daikin or third party BMS	UATYQ-AFC2Y1		•	•	•	•	•	•	•	•	•	•	•
		Rooftop unit 3 damper version with integrated fresh air and extraction - 'Plug and play' for easy installation - Integrated extraction damper eliminates over-pressure - Thermo dynamic heat recovery, recovering waste heat - Free cooling with up to 100% fresh air intake - Field convertible return and supply air	UATYQ-AFC3Y1		•	•	•	•	•	•	•	•	•	•	•

Specifications

UATYQ-ABAY1

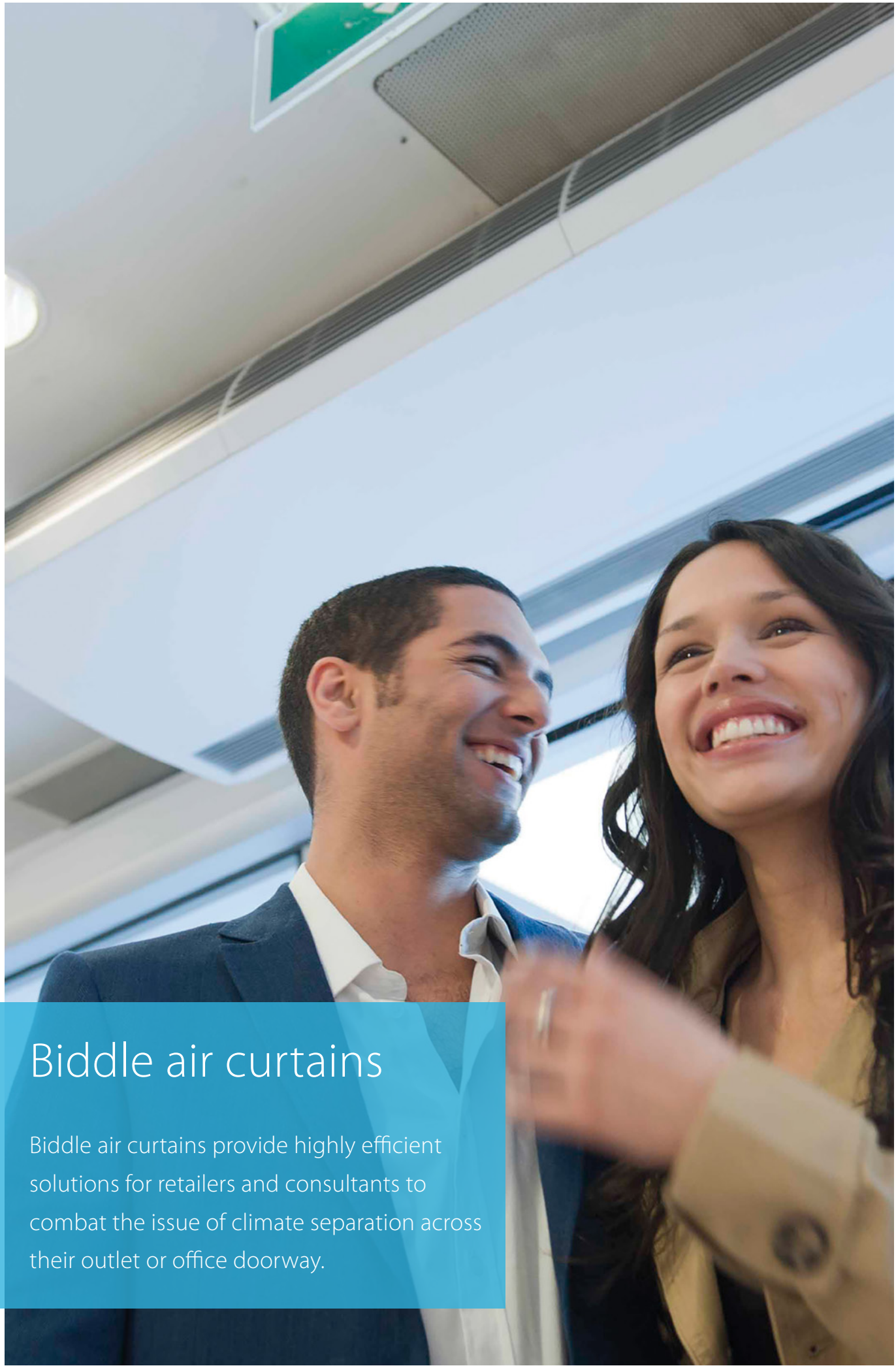
					UATYQ-ABAY1	20	25	30	45	50	55	65	75	90	100	115
Cooling capacity	Nom.				kW	19.5	28.0	30.4	44.1	49.2	51.6	63.5	73.9	90.3	101.6	106.8
Heating capacity	Nom.				kW	17.9	27.0	31.3	46.1	51.9	56.3	63.8	76.6	93.3	104.5	114.2
Space cooling	Capacity	Pdesign			kW	19.5	28.0	30.4	44.1	49.2	51.6	63.5	73.9	90.3	101.6	106.8
	ηs,c				%	135.0	143.5	127.5	119.5	134.1	129.0	130.4	124.6	118.2	137.9	127.0
Space heating	Capacity	Pdesign			kW	17.9	27.0	31.3	46.1	51.9	56.3	63.8	76.6	93.3	104.5	114.2
(Average climate)	ηs,h				%	115.4	129.0	119.5	115.4	125.2	124.8	121.0	118.2	116.0	125.3	124.3
Power input	Cooling	Nom.			kW	6.6	10.0	12.0	17.0	19.7	22.5	23.6	29.7	33.8	39.0	44.3
	Heating	Nom.			kW	5.8	8.0	9.6	14.6	16.3	18.1	20.0	25.1	29.9	33.2	37.3
EER						2.94	2.79	2.54	2.60	2.50	2.29	2.69	2.49	2.67	2.60	2.41
COP						3.07	3.38	3.26	3.15	3.19	3.11	3.20	3.05	3.12	3.15	3.06
Evaporator	Supply side	Fan	Air flow rate		m^3/h	4,950	7,260	8,250	11,000	12,100	13,200	15,400	17,600	20,900	23,650	25,300
			Nom. external static pressure		Pa	300										
		Air discharge direction				Frontal, Left			Frontal, Left, Right, Bottom			Left, Right, Bottom				
	Return side	Air intake direction				Rear			Rear, Right, Left			Rear				
Condensor	Air flow rate	Cooling			m^3/h	11,500	12,000		19,000			33,200		44,000		
Condensor	Refrigerant	Type / GWP				R410-A / 2,087.5										
Condensor		Charge			TCO2Eq / kg	15.7 / 7.5	27.1 / 13.0		35.5 / 17.0			31.3 / 15.0		41.8 / 20.0	43.8 / 21.0	48.0 / 23.0
Dimensions	Unit	Height x Width x Depth			mm	1,576x1,828x1,762	2,126x1,828x1,762		1,799x2,712x2,263			1,799x3,760x2,252		2,180x4,059x2,252		
Weight	Unit				kg	672	780		1,068	1,221	1,247	1,553	1,581	1,738	1,742	1,794
Casing	Colour					RAL 7035										
Sound pressure level	Cooling				dBA	60			61	63		64		65		
Sound power level	Cooling				dBA	77	78		79	81		83		85		
Operation range	Cooling	Min. ~ Max.			°CDB	0 ~ 47										
	Heating	Min. ~ Max.			°CWB	-12.1 ~ 19.5										
Power supply	Voltage / Phase / Frequency				V / Hz	400/3+N/50 ±5%								400/3/50 ±5%		
Current	Recommended fuses				A	25	32	40	50	63		80	100		125	

UATYQ-AFC2Y1

					UATYQ-AFC2Y1	20	25	30	45	50	55	65	75	90	100	115
Cooling capacity	Nom.				kW	19.5	28.0	30.4	44.1	49.2	51.6	63.5	73.9	90.3	101.6	106,8
	with 30% fresh air				kW	20.9	30.0	32.5	47.8	52.3	55.1	68.1	78.9	96.7	108.2	114.2
Heating capacity	Nom.				kW	17.9	27.0	31.3	46.1	51.9	56.3	63.8	76.6	93.3	104.5	114.2
	with 30% fresh air				kW	18.3	27.5	31.8	48.8	52.6	57.2	65.5	77.8	94.9	106.0	116.6
Space cooling	Capacity	Pdesign			kW	19.5	28.0	30.4	44.1	49.2	51.6	63.5	73.9	90.3	101.6	106.8
	ηs,c				%	135.0	143.5	127.5	119.5	134.1	129.0	130.4	124.6	118.2	137.9	127.0
Space heating	Capacity	Pdesign			kW	17.7	27.0	31.3	46.1	51.9	56.3	63.8	76.6	93.3	104.5	114.2
(Average climate)	ηs,h				%	115.4	129.0	119.5	115.4	125.2	124.8	121.0	118.2	116.0	125.3	124.3
Power input	Cooling	Nom.			kW	6.6	10.0	12.0	17,0	19.7	22.5	23.6	29.7	33.8	39.0	44.3
	Heating	Nom.			kW	5.8	8.0	9.6	14.6	16.3	18.1	20.0	25.1	29.9	33.2	37.3
EER	with 30% fresh air					3.14	2.95	2.67	2.82	2.60	2.41	2.85	2.61	2.82	2.73	2.53
COP	with 30% fresh air					3.37	3.75	3.56	3.44	3.48	3.40	3.64	3.31	3.38	3.43	3.35
Evaporator	Supply side	Fan	Air flow rate		m^3/h	4,950	7,260	8,250	11,000	12,100	13,200	15,400	17,600	20,900	23,650	25,300
			Nom. external static pressure		Pa	300										
		Air discharge direction				Frontal, Left			Frontal, Left, Right, Bottom			Left, Right, Bottom				
	Return side	Air intake direction				Rear						Right-Rear				
	Fresh air	Standard				yes										
		Ratio	Standard		%	30										
			In free cooling		%	100										
Condensor	Air flow rate	Cooling			m^3/h	11,500	12,000		19,000			33,200		44,000		
Condensor	Refrigerant	Type / GWP				R410-A / 2,087.5										
Condensor		Charge			TCO2Eq / kg	15.7 / 7.5	27.1 / 13.0		35.5 / 17.0			31.3 / 15.0		41.8 / 20.0	43.8 / 21.0	48.0 / 23.0
Dimensions	Unit	Height x Width x Depth			mm	1,576x1,828x1,762	2,126x1,828x1,762		1,799x2,712x2,263			1,799x4,675x2,252		2,180x4,875x2,252		
Weight	Unit				kg	679	788		1,098	1,251	1,277	1,698	1,726	1,906	1,914	1,966
Casing	Colour					RAL 7035										
Sound pressure level	Cooling				dBA	60			61	63		64		65		
Sound power level	Cooling				dBA	77	78		79	81		83		85		
Operation range	Cooling	Min. ~ Max.			°CDB	0 ~ 47										
	Heating	Min. ~ Max.			°CWB	-12,1 ~ 19,5										
Power supply	Voltage / Phase / Frequency				V / Hz	400/3+N/50 ±5%								400/3/50 ±5%		
Current	Recommended fuses				A	25	32	40	50	63		80	100		125	

UATYQ-AFC3Y1

					UATYQ-AFC3Y1	20	25	30	45	50	55	65	75	90	100	115
Cooling capacity	Nom.				kW	19.5	28.0	30.4	44.1	49.2	51.6	63.5	73.9	90.3	101.6	106.8
	with 30% fresh air				kW	21.1	30.4	33.2	47.8	53.4	56.3	68.1	78.9	96.7	108.2	114.2
Heating capacity	Nom.				kW	17.9	27.0	31.3	46.1	51.9	56.3	63.8	76.6	93.3	104.5	114.2
	with 30% fresh air				kW	18.9	28.7	33.2	48.8	54.9	59.7	65.5	77.8	94.9	106.0	116.6
Space cooling	Capacity	Pdesign			kW	19.5	28.0	30.4	44.1	49.2	51.6	63.5	73.9	90.3	101.6	106.8
	ηs,c				%	135.0	143.5	127.5	119.5	134.1	129.0	130.4	124.6	118.2	137.9	127.0
Space heating	Capacity	Pdesign			kW	17.9	27.0	31.3	46.1	51.9	56.3	63.8	76.6	93.3	104.5	114.2
(Average climate)	ηs,h				%	115.4	129.0	119.5	115.4	125.2	124.8	121.0	118.2	116.0	125.3	124.3
Power input	Cooling	Nom.			kW	6.6	10.0	12.0	17.0	19.7	22.5	23.6	29.7	33.8	39.0	44.3
	Heating	Nom.			kW	5.8	8.0	9.6	14.6	16.3	18.1	20.0	25.1	29.9	33.2	37.3
EER	with 30% fresh air					3.25	3.08	2.82	2,82	2.70	2.53	2.82	2.58	2.79	2.70	2.51
COP	with 30% fresh air					3.46	3.84	3.66	3.44	3.51	3.42	3.58	3.26	3.33	3.38	3.30
Evaporator	Supply side	Fan	Air flow rate		m^3/h	4,950	7,260	8,250	11,000	12,100	13,200	15,400	17,600	20,900	23.650	25.300
			Nom. external static pressure		Pa	300										
		Air discharge direction				Frontal, Left			Frontal, Left, Right, Bottom			Left, Right, Bottom				
	Return side	Fan	Air flow rate		m^3/min	N/A			11,000	12,100	13,200	15,400	17,600	20,900	23,650	25,300
			Nom. external static pressure		Pa	N/A			300							
		Air intake direction				Rear			Rear, Right, Left			Rear, Right, Left, Bottom				
		Therm. heat recovery				yes						no				
	Fresh air	Standard				yes										
		Ratio	Standard		%	30										
			In free cooling		%	100										
Condensor	Air flow rate	Cooling			m^3/h	11,500	12,000		19,000			33,200		44,000		
Condensor	Refrigerant	Type / GWP				R410-A / 2,087.5										
Condensor		Charge			TCO2Eq / kg	15.7 / 7.5	27.1 / 13.0		35.5 / 17.0			31.3 / 15.0		41.8 / 20.0	43.8 / 21.0	48.0 / 23.0
Dimensions	Unit	Height x Width x Depth			mm	1,576x1,828x1,762	2,126x1,828x1,762		1,799x3,518x2,272			1,799x5,660x2,252		2,180x5,660x2,252		
Weight	Unit				kg	686	796		1,382	1,535	1,561	2,142	2,166	2,338	2,346	2,398
Casing	Colour					RAL 7035										
Sound pressure level	Cooling				dBA	60			61	63		64		65		
Sound power level	Cooling				dBA	77	78		79	81		83		85		
Operation range	Cooling	Min. ~ Max.			°CDB	0 ~ 47										
	Heating	Min. ~ Max.			°CWB	-12.1 ~ 19.5										
Power supply	Voltage / Phase / Frequency				V / Hz	400/3+N/50 ±5%								400/3/50 ±5%		
Current	Recommended fuses				A	25	32	40	63	80		100		125		



Biddle air curtains

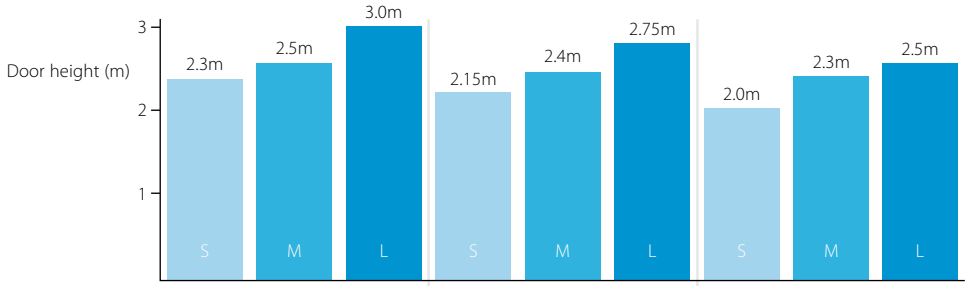
Biddle air curtains provide highly efficient solutions for retailers and consultants to combat the issue of climate separation across their outlet or office doorway.

Outdoor units portfolio for connection to Biddle air curtains

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

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

Biddle air curtain portfolio



Installation condition

Favourable
ex: covered shopping mall or revolving door entrance

Normal
ex: little direct wind, no opposite open doors, building with ground floor only

Unfavourable
ex: location at a corner or square, multiple floors and / or open stairwell

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

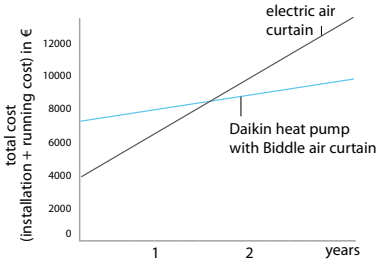
Biddle air curtain nomenclature

CY Q S 150 DK 80 F S N

- N = No controller
- C = Controller as standard
- Color: B = White (RAL 9016); S = Grey (RAL 9006)
- Installation type: F = Free hanging; C = Cassette; R = Recessed
- Capacity class (kW)
- Daikin direct expansion
- Door width (cm)
- Range: S = Small; M = Medium; L = Large
- V = Connectable to VRV
- Q = Connectable to ERQ
- Biddle air curtain

Biddle air curtain for ERQ

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



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

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

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

ErP 2018 COMPLIANT

Ventilation

Why choose Daikin ventilation 88

ERV / HRV - Energy/Heat recovery ventilation units 92
ALB-LBS/RBS - Modular L Smart 92
Heater for Modular L Smart 93
VAM-FC9/J 94
Heater for VAM 95

Daikin air handling units with DX connection 96
Advantages 96
Overview of VRV & ERQ condensing units 97
Control possibilities 98

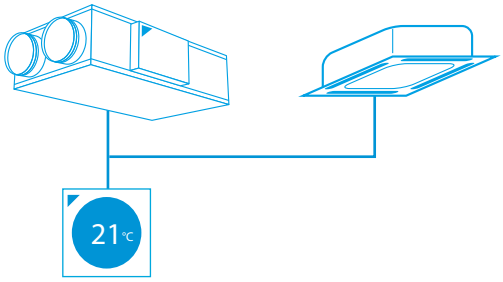
Integration in third party AHU 100
Expansion valves & Control boxes 100
Selection procedure 101

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

1 Market leading controls & connectivity

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

› Easy integration in the total solution
- Online control and monitoring via the Daikin Cloud Service
- Full portfolio integration in the intelligent Touch Manager, Daikin's cost-effective mini BMS
- User-friendly controller with premium design
- Intuitive touch button control



Madoka

iF DESIGN AWARD 2018

reddot award 2018 winner

2 Unique installation benefits

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

3 High energy efficiency

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

Up to 92% energy recovery

4 Best comfort

› Wide range of units to control fresh air and humidity
› Wide range of optional filters to suit the application available up to ePM_1 80% (F9)
› Special paper heat exchanger recovers heat and moisture from extract air to warm up and humidify fresh air to comfortable levels (VAM, VKM)

EUROVENT CERTIFIED PERFORMANCE
www.eurovent-certification.com

5 Top reliability

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

ErP COMPLIANT

Did you know?

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

COGNITIVE FUNCTION SCORES …

+ 61% IN GREEN BUILDING CONDITIONS

+ 101% IN ENHANCED GREEN BUILDING CONDITIONS

Widest range
of DX integrated ventilation on the market

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

Ventilation solutions

Daikin offers state-of-the-art ventilation solutions that can easily be integrated into any project:
› **Unique portfolio** within DX manufacturers
› High-quality solutions complying with the **highest Daikin quality standards**
› **Seamless integration** of all products to provide the best indoor climate
› All Daikin products connected to a single controller for **complete control** of the HVAC system.

Energy Recovery Ventilation

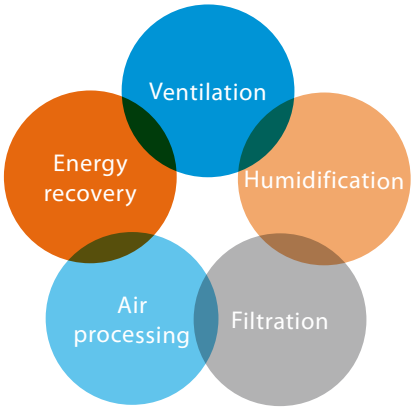
Our energy recovery units **recover sensible energy** (Modular L Pro / Modular L Smart) or **total (sensible + latent) energy** (VAM/VKM), substantially reducing the load on the air conditioning system up to 40%.

Ventilation with DX connection - Control over fresh air temperature

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

Five components of indoor air quality

- **Ventilation:** Ensures the provision of fresh air
- **Energy recovery:** Delivers energy savings by transferring heat and moisture between airflows
- **Air processing:** Delivers the right supply temperature to decrease the indoor unit load
- **Humidification:** Ensures relative indoor humidity levels are respected
- **Filtration:** Separates pollen, dust and pollution odours that are harmful to individuals' health



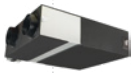
Fresh air portfolio

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

Decentralised systems

D-AHU MODULAR L (SMART)

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



VAM-FC9 / VAM-J

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

VKM-GB(M)

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

Centralised systems

D-AHU MODULAR P

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

D-AHU MODULAR R

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

D-AHU Professional

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

Outdoor units portfolio for connection to air handling units

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

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

ALB-LBS/RBS

Modular L Smart

Premium efficiency heat recovery unit

Right drain connection (ALB-RBS)

Left drain connection (ALB-LBS)

Highlights

- Connects Plug&Play into the Sky Air and VRV control network
- Easy installation and commissioning
- Internal pre-filter stage (up to ePM_1 50% (F7) + ePM_1 80% (F9)) making the unit reach highest indoor air quality requirements.
- Wide air flow coverage from 150m³/h to 3,450m³/h
- Exceeding ErP 2018 requirements
- Best choice when compactness is needed (only 280 mm height up to 550 m³/h)
- 50 mm double skin panel (120 kg/m³) for a maximum sound and thermal insulation

EC centrifugal fan

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

Heat exchanger

- Premium quality counter flow plate heat exchanger
- Up to 93% of the thermal energy recovered
- High grade aluminum allowing optimum corrosion protection

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

Technical details

D-AHU Modular L Smart		ALB-RBS/LBS	02	03	04	05	06	07
Airflow		m³/h	300	600	1200	1500	2300	3000
Heat exchanger thermal efficiency[1]		%	90	91	90	90	92	91
External static pressure	Nom.	Pa	100	100	100	100	100	100
Temperature after heat exchanger[1]	Nom.	°C	19,4	19,5	19,4	19,2	19,8	19,5
Max ESP @ nom. airflow		Pa	400	450	260	270	250	210
Current	Nom.	A	0,52	1,17	1,91	2,48	3,76	5,39
Power input	Nom.	kW	0,12	0,27	0,44	0,57	0,87	1,24
SFPv[2]		kW/m³/s	1,24	1,49	1,28	1,32	1,32	1,46
ERP compliant			ErP 2018 Compliant					
Electrical supply	Phase	ph	1	1	1	1	1	1
	Frequency	Hz	50/60	50/60	50/60	50/60	50/60	50/60
	Voltage	V	220/240 Vac	220/240 Vac	220/240 Vac	220/240 Vac	220/240 Vac	220/240 Vac
Main unit dimensions	Width	mm	920	1100	1600	1600	2000	2000
	Height	mm	280	350	415	415	500	500
	Length	mm	1660	1800	2000	2000	2000	2000
Rectangular duct flange	Width	mm	250	400	500	500	700	700
	Height	mm	150	200	300	300	400	400
Unit Sound Power Level (Lwa)		dB	48	54	57	53	60	57
Unit Sound Pressure Level[3]		dBA	34	39	41	37	44	41
Weight unit		kg	125	180	270	280	355	360

1. Winter design condition: Outdoor: -5°C, 90% Indoor: 22°C,50%
2. SFPv is a parameter that quantifies the fan efficiency (the lower it is the better will be). This reduces if airflow decreases.
3. According to EN3744. Surrounding, Directivity (Q) = 2, @ 1,5m distance

Electrical heater for Modular L Smart

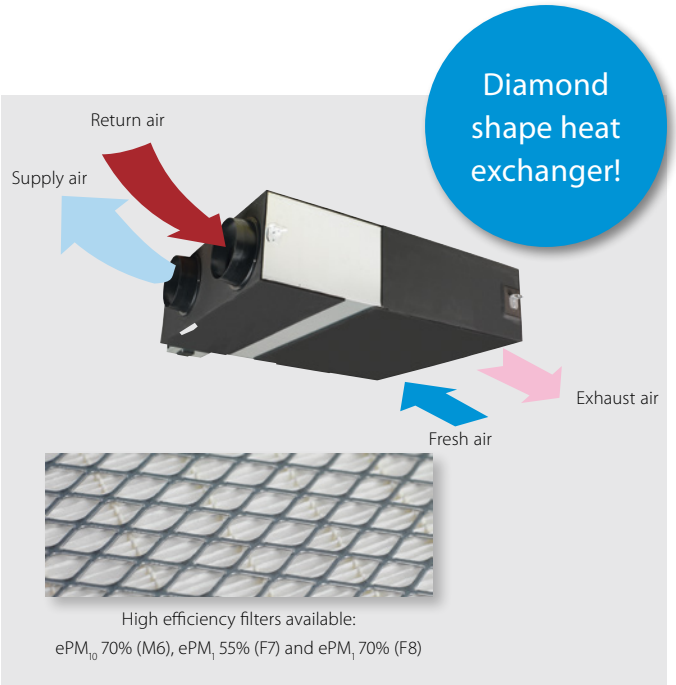
- Total solution for fresh air with Daikin supply of both Modular L Smart and electrical heaters
- Increase comfort in low outdoor temperature thanks to the heated outdoor air
- Integrated electrical heater concept (no additional accessories required)
- Standard dual flow and temperature sensor
- Heater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

Electrical heater for Modular L Smart (ALD)	02HEFB	03HEFB	05HEFB	07HEFB
Capacity kW	1,5	3	7,5	15
Connectable Modular L Smart size	02	03	04, 05	06, 07
Supply voltage	230V,1ph		400V,3ph	
Output current (maximum) (A)	6,6	13,1	10,9	21,7
Temperature sensor	15k ohms at -20 °C 10k ohms at +10 °C	16k ohms at -20 °C 10k ohms at +10 °C	17k ohms at -20 °C 10k ohms at +10 °C	18k ohms at -20 °C 10k ohms at +10 °C
Temperature control range	- 20 °C to 10 °C			
Control fuse	Mini Circuit Breaker 6 A			
LED indicators	"Yellow = Airflow fault Red = Heat ON"			
Mounting holes	Depends on duct size			
Maximum ambient adjacent to terminal box	30°C (during operation)			
Auto high temperature cutout	75°C Pre-set			
Manual reset high temperature cutout	120°C Pre-set			
Width (mm)	470	620	720	920
Depth (mm)	370	370	370	370
Height (mm)	193	243	343	443

Energy recovery ventilation

Ventilation with heat recovery as standard

- Thinnest High Efficiency Enthalpy Heat Exchanger in the market (J-series)
- Energy saving ventilation using indoor heating, cooling and moisture recovery
- Free cooling possible when outdoor temperature is below indoor temperature (eg. during nighttime)
- Prevent energy losses from over-ventilation while improving indoor air quality with optional CO_2 sensor
- Possibility to change ESP via wired remote control allows optimisation of the supply air volume (J - series)
- Can be used as stand alone or integrated in the Sky Air or VRV system
- Wide range of units: air flow rate from 150 up to 2,000 m^3/h
- Shorter installation time thanks to easy adjustment of nominal air flow rate, so less need for dampers compared with traditional installation
- No drain piping needed
- Can operate in over- and under pressure
- Total solution for fresh air with Daikin supply of both VAM / VKM and electrical heaters



ErP COMPLIANT

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

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

Electrical heater for VAM

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

		GSIEKA	10009	15018	20024	25030	35530[1]
Capacity		kW	0.9	1.8	2.4	3.0	3.0
Duct diameter		mm	100	150	200	250	355
Connectable VAM			VAM150FC9	VAM250FC9	VAM350,500J	VAM650J, VAM800J, VAM1000J	VAM1500J, VAM2000J

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

Daikin's
air handling units solutions

You will find your match

Why choose Daikin air handling units with a DX connection?

Simplifying business

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

Complete range of possibilities

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

One-stop shop

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

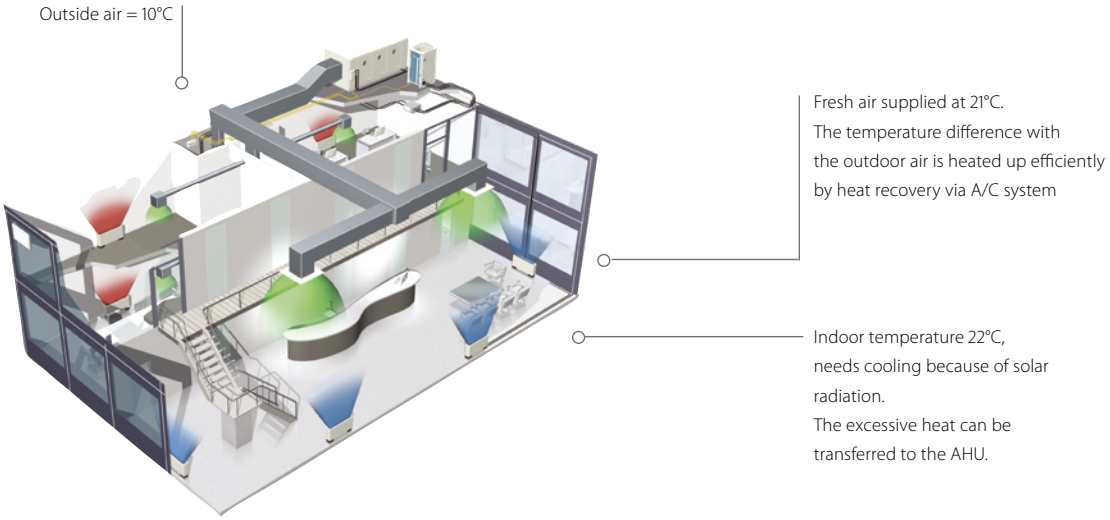
Advantages

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

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

High Efficiency

Daikin heat pumps are renowned for their high energy efficiency. Integrating the AHU with a heat recovery system is even more effective since an office system can frequently be in cooling mode while the outdoor air is too cold to be brought inside in an unconditioned state. In this case heat from the offices is merely transferred to heat up the cold fresh air.



Fast response to changing loads resulting in high comfort levels

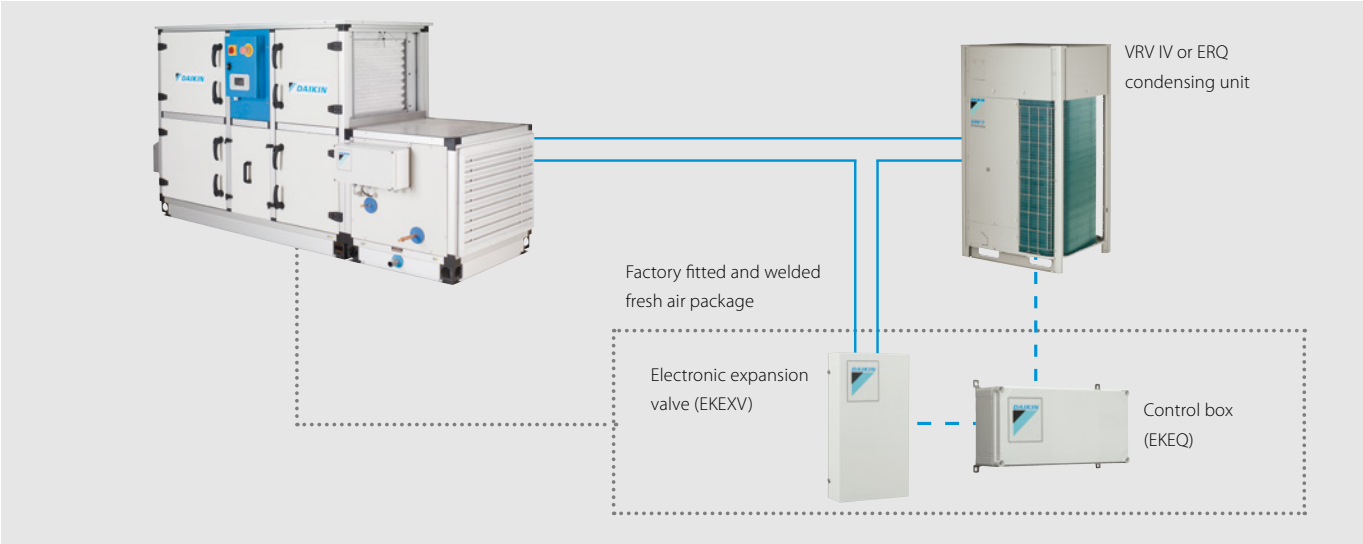
Daikin ERQ and VRV units respond rapidly to fluctuations in supply air temperature, resulting in a steady indoor temperature and resultant high comfort levels for the end user. The ultimate is the VRV range which improves comfort even more by offering continuous heating, also during defrost.

Easy Design and Installation

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

Daikin Fresh air package

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



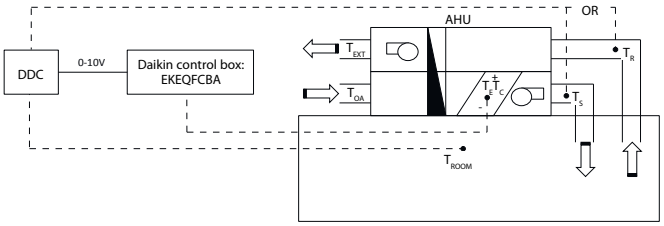
In order to maximise installation flexibility, 4 types of control systems are offered

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

1. W control (T_S/T_R/T_{ROOM} control):

Air temperature control via DDC controller

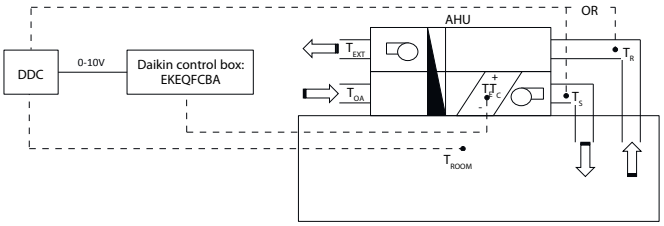
Room temperature is controlled as a function of the air handling unit suction or discharge air (customer selection). The DDC controller is translating the temperature difference between set point and air suction temperature (or air discharge temperature or room temperature) into a proportional 0-10V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



2. X control (T_S/T_R/T_{ROOM} control):

Precise air temperature control via DDC controller

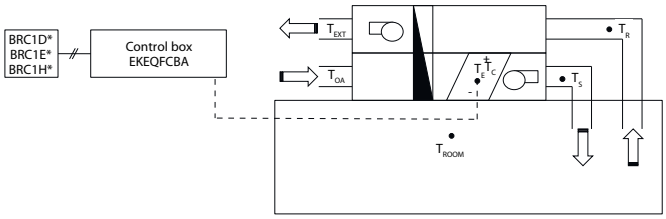
Room temperature is controlled as a function of the air handling unit suction or discharge air (customer selection). The DDC controller is translating the temperature difference between set point and air suction temperature (or air discharge temperature or room temperature) into a reference voltage (0-10V)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



3. Y control (T_E/T_C control):

By fixed evaporating /condensing temperature

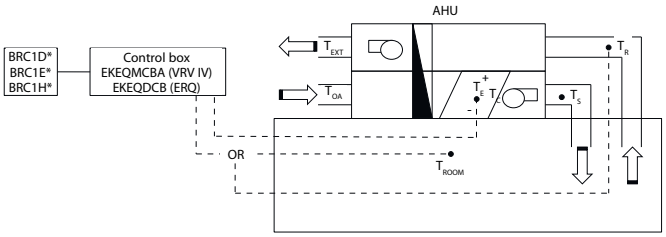
A fixed target evaporating or condensing temperature can be set by the customer. In this case, room temperature is only indirectly controlled. A Daikin wired remote control (BRC1* - optional) have to be connected for initial set-up but not required for operation.



4. Z control (T_S/T_{ROOM} control):

Control your AHU just like a VRV indoor unit with up to 100% fresh air

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



T_S = Supply air temperature
T_{EXT} = Extraction air temperature
T_R = Return air temperature
T_E = Evaporating temperature
T_{OA} = Outdoor air temperature
T_C = Condensing temperature
T_{ROOM} = Room air temperature

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

* EKEQMCB (for 'multi' application)

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

ERQ-AW1

A basic fresh air solution for pair application

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

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

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

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

Integration of ERQ and VRV in third party air handling units

a wide range of expansion valve kits and control boxes

Combination table

		Control box			Expansion valve kit										Mixed connection with VRV indoor units
		EKEQDCB	EKEQFCBA	EKEQMCBA	EKEXV50	EKEXV63	EKEXV80	EKEXV100	EKEXV125	EKEXV140	EKEXV200	EKEXV250	EKEXV400	EKEXV500	
		Z control	W,X,Y control	Z control	-	-	-	-	-	-	-	-	-	-	
1-phase	ERQ100	P	P	-	-	P	P	P	P	-	-	-	-	-	Not possible
	ERQ125	P	P	-	-	P	P	P	P	P	-	-	-	-	
	ERQ140	P	P	-	-	-	P	P	P	P	-	-	-	-	
3-phase	ERQ125	P	P	-	-	P	P	P	P	P	-	-	-	-	
	ERQ200	P	P	-	-	-	-	P	P	P	P	P	-	-	
	ERQ250	P	P	-	-	-	-	-	P	P	P	P	-	-	
VRV III		-	-	n1	n1	n1	n1	n1	n1	n1	n1	n1	n1	n1	Mandatory
VRV IV H/P / VRV IV W-series VRV IV S-series		-	P (1 -> 3)	n2	n2	n2	n2	n2	n2	n2	n2	n2	n2	n2	Possible (not mandatory)
VRV IV H/R VRV IV i-series		-	n1	-	n1	n1	n1	n1	n1	n1	n1	n1	n1	n1	Mandatory

- P (pair application): combination depends on the capacity of the air handling unit
- n1 (multi application) - Combination of AHUs and VRV DX indoors (mandatory). To determine the exact quantity please refer to the engineering data book.
- n2 (multi application) - Combination of AHUs and VRV DX indoors (not mandatory). To determine the exact quantity please refer to the engineering data book.
- Control box EKEQFA can be connected to some types of VRV IV outdoor units (with a maximum of 3 boxes per unit). Do not combine EKEQFA control boxes with VRV DX indoor units, RA indoor units or hydroboxes

Capacity table

Cooling

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

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

Heating

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

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

EKEXV - Expansion valve kit for air handling applications

Ventilation			EKEXV	50	63	80	100	125	140	200	250	400	500
Dimensions	Unit		mm	401x215x78									
Weight	Unit		kg	2.9									
Sound pressure level	Nom.		dBA	45									
Operation range	On coil	Heating Min.	°CDB	10 (1)									
	temperature	Cooling Max.	°CDB	35 (2)									
Refrigerant	Type / GWP			R-410A / 2.087,5									
Piping connections	Liquid	OD	mm	6.35	9.52							12.7	15.9

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

EKEQ - Control box for air handling applications

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

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

Pair application selection

- **the outdoor unit is connected to ONE COIL (with single circuit or maximum 3 interlaced circuits) using up to 3 control boxes**
- **indoor unit combination is not allowed**
- **only works with X, W, Y control**

Step 1: Required AHU capacity

An AHU with double flow, heat recovery and 100% fresh air is to be installed in Europe where the outdoor sizing temperature is 35 ºCDB and the target supply air temperature for fresh air is 25 ºCDB. Load calculations point to a required capacity of 45kW.
By checking on the EKEXV capacity table, for cooling operation, 40kW falls within the 400 class valve. Since 40kW is not the nominal capacity, a class adjustment has to be done. 40/45=0,89 and 0,89x400=356. So the capacity class of the expansion valve kit is 356.

Step 2: Outdoor unit selection

For this AHU, a VRV IV heat pump model with continuous heating is going to be used (RYYQ-T series). For a capacity of 40kW at 35 ºCDB, an outdoor of 14HP (RYYQ14T) is selected. The capacity class of the 14 HP outdoor unit is 350.
Total connection ratio of the system is 356/350=102% hence it falls within the range 90-110%.

Step 3: Control box selection

In this particular case, the control will work with precise air temperature control. Only W or X control allow this. Since the consultant wants to use an "off-the-shelf" DDC module, the EKEQFCBA box with W control allows easy set-up due to pre-set factory values.

Multi application selection

- **the outdoor unit can be connected to MULTIPLE COILS (and their control boxes)**
- **indoor units are also connectable but not mandatory**
- **only works with Z control**

Step 1: Required AHU capacity

An AHU with double flow, heat recovery and 100% fresh air is to be installed in Europe where the outdoor sizing temperature is 35 ºCDB and the target supply air temperature for fresh air is 25 ºCDB. On top of this, for this building, 5 round-flow cassette units FXFQ50A will also be connected to this OU.

Load calculations point to a required capacity of 20kW for the AHU and 22,5 kW for the indoor untis.
By checking on the EKEXV capacity table, for cooling operation, 20kW falls within the 200 class valve. Since 22,4 kW is the nominal capacity, a class adjustment has to be done. 20/22,4=0,89 and 0,89x200=178. So the capacity class of the expansion valve kit is 178. Total capacity class of the indoor unit system is 178+250=428

Step 2: Outdoor unit selection

For this system where a AHU is connected with indoor units, it is mandatory to use a heat recovery unit. By consulting the engineering databook for REYQ-T, the total required capacity of 42,5 kW requires a 16HP model REYQ16T. Which will deliver 45kW at the design temperature of 35 ºCDB. This unit has a capacity class of 400. Total connection ratio of the system is 428/400=107% hence it falls within the range 50-110%.

Step 3: Control box selection

In this particular case, the only available control is Z control and the combination of AHU and VRV DX indoor units requires EKEQMCBA control box.

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.

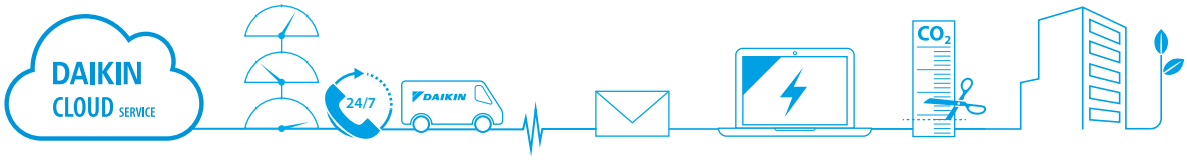
White Silver Black

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

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

Remote monitoring



Control
Systems

Control Systems

Application overview	104
Individual control systems	106
Daikin Online controller	106
Madoka wired remote controller	108
Wired / infrared remote controllers	111
Multi-zone controller	112
Centralised control systems	114
Centralised remote controller / Unified ON/OFF controller / Schedule timer	114
intelligent Touch Controller	115
intelligent Touch Controller	116
intelligent Touch Manager	118
Standard protocol interfaces	122
Modbus interface	122
DIII-net Modbus Interface	124
KNX Interface	125
Daikin Cloud Service for commercial DX systems	126
Other devices	128
Wireless room temperature sensor	128
Wired room temperature sensor	128
Other integration devices	129

Options & Accessories 131

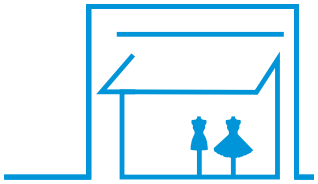
For latest data, please consult my.daikin.eu

Control solutions summary

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

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

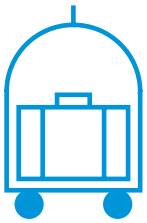
Shop



	Unit control			Integrating control			Advanced control	
	BRP069* Online controller	BRC1H519W7/ S7/K7	RTD-20	RTD-Net	KLIC-DI	EKMBDXA	DCC601A51	DCM601A51
	Smartphone control for up to 50 indoor units	1 remote controller for 1 indoor unit (group)	1 gateway for 1 indoor unit (group)	1 gateway for 1 indoor unit (group)	1 gateway for 1 indoor unit	1 gateway for max. 64 indoor unit(s) (groups) & 10 outdoors	1 unit for 32 indoor unit(s) (5)	1 iTM for 64 indoor unit(s) (groups) (1)
Automatic control of A/C	●	●	●	●	●	●	●	●
Limit control possibilities for shop staff	●	●	●	●	●	●	●	●
Create zones within the shop			●				●	●
Interlock with eg. Alarm, PIR sensor			●				● (limited)	●
Integrate Daikin units into existing BMS via Modbus				●		●		
Integrate Daikin units into existing BMS via KNX					●			
Integrate Daikin units into existing BMS via HTTP								●
Monitor energy consumption	● (4)	● (4)					● (2)	●
Advanced energy management							● (2)	● (6)
Allows free cooling								●
Integrate Daikin products cross pillars into Daikin BMS								●
Integrate third party products into Daikin BMS							●	●
Online control	●						● (2)	● (3)
Manage multiple sites							● (2)	● (3)

(1) 7 iTM plus adapters (DCM601A52) can be added to have 512 indoor groups and 80 outdoor (systems) (2) Via Daikin cloud service (3) Through own IT set-up (not Daikin cloud server) (4) Not available on all indoors (5) Up to 10 DCC601A51 can be combined as a single site on Daikin Cloud Service (6) Via Daikin cloud service or Energy navigator option (DCM008A51)

Hotel



	Unit control	Integrating control		Advanced control	
				PMS Interface	
	BRC1H519W7/S7/K7	RTD-HO	KLIC-DI	DCM010A51	DCM601A51
	1 remote controller for 1 indoor unit (group)	1 gateway for 1 indoor unit (group)	1 gateway for 1 indoor unit	1 interface for up to 2,500 indoor units	1 iTM for 64 indoor unit(s) (groups) (1)
Hotel guest can control & monitor basic functionalities from his room	●	●	● (3)		●
Limit control possibilities for hotel guests	●	●	●	●	●
Interlock with window contact	● (2)	●			●
Interlock with key-card	● (2)	●			●
Integrate Daikin units into existing BMS via Modbus		●			
Integrate Daikin units into existing BMS via KNX			●		
Integrate Daikin units into existing BMS via HTTP					●
Integrate Daikin unit control in hotel booking software				● Oracle Opera PMS	
Monitor energy consumption					●
Advanced energy management					●
Integrate Daikin products cross pillars into Daikin BMS					●
Integrate third party products into Daikin BMS					●
Online control					●

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

Office

	Unit control	Integrating control			Advanced control	
			LonWorks Interface	BACnet Interface	intelligent Controller	intelligent Manager
	BRC1H519W7/S7/K7	EKMBDXA	DMS504B51	DMS502A51	DCC601A51	DCM601A51
	1 remote controller for 1 indoor unit (group)	1 gateway for max. 64 indoor unit(s) (groups) & 10 outdoors	1 gateway for 64 indoor unit(s) (groups)	1 gateway for 128 indoor unit(s) (groups), 20 out-doors (2)	1 unit for 32 indoor unit(s) (groups) (5)	1 iTM for 64 indoor unit(s) (groups) (1)
Automatic control of A/C	●	●	●	●	●	●
Centralised control for management		●	●	●	●	●
Local control for office staff	●				● (4)	● through Web Remote management
Limit control possibilities for office staff	●	●	●	●	●	●
Integrate Daikin units into existing BMS via Modbus		●				
Integrate Daikin units into existing BMS via HTTP						●
Integrate Daikin units into existing BMS via LonTalk			●			
Integrate Daikin units into existing BMS via BACnet				●		
Energy consumption read out	● (3)					
Monitor energy consumption					● (4)	●
Advanced energy management					● (4)	●
PPD software to distribute used kWh/indoor unit				● (6)		● (7)
Integrate Daikin cross pillar products into Daikin BMS						●
Integrate third party products into Daikin BMS					●	●
Online control					● (4)	●
Manage multiple sites					● (4)	● (5)

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

Infrastructure cooling

	Unit	Integrating	Advanced
			intelligent Manager
	BRC1H519W7/S7/K7	RTD-10	DCM601A51
	1 remote controller for 1 indoor unit (group) (2)	1 gateway for 1 indoor unit (group) Up to 8 gateways can be linked together	1 iTM for 64 indoor unit(s) (groups) (1)
Automatic control of A/C	●	●	●
Back-up operation	●	●	●
Duty rotation	●	●	●
Limit control possibilities in the technical cooling room	●	●	●
If room temperature above max., then show alarm & start standby unit.		●	●
If an error occurs, an alarm will be shown.	●	●	●
If an error occurs, activate an alarm output	Via KRP2/4A option (3)	●	Via WAGO I/O

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

Daikin Online controller

BRP069B41/42/45/82
BRP069A81

Always in control,
no matter where you are

The Daikin Online Controller application can control and monitor the status of your system up to 50 split air conditioning units and allows you to:

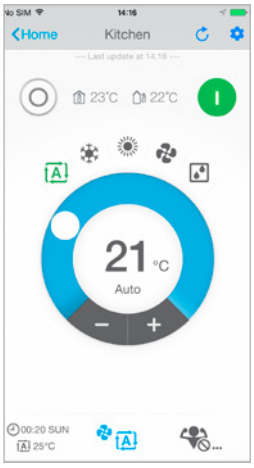
Monitor:
› The status of your air conditioner system
› Consult **energy consumption graphs** (Split only)

Control:
› The **operation mode**, set temperature, fan speed and powerful mode, air direction and filtering (streamer) function (Available functions depending on connected model)
› Remotely control your system and domestic hot water
› **Zone control**: control **multiple** units at once

Schedule:
› Schedule the set temperature and operation mode with up to **6 actions per day for 7 days**
› Enable **holiday mode**
› View in an intuitive mode
› Demand control/power limitation (Split only)

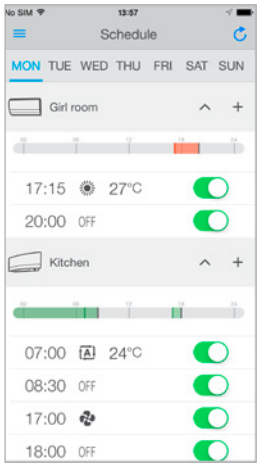
App with intuitive lay-out

Control



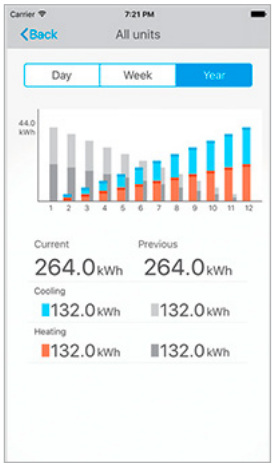
Control operation mode, temperature, air purification, fan speed & air direction

Schedule



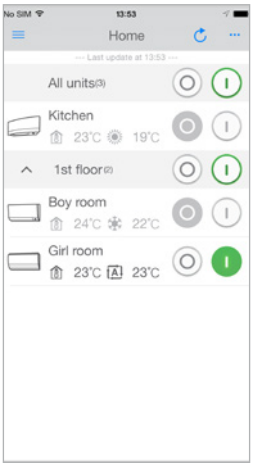
Schedule the set temperature, operation mode and fan speed or holiday periods

Monitor



Monitor your energy consumption

Monitor



Monitor the rooms in your house

Daikin Online Controller connectable units

Integrated in unit
› FTXA-AW/BS/BT/BB

BRP069B41
› FTXJ-MW/S *
› C/FTXM-N
› FTXTM-M
› ATXM-N

BRP069B42
› FTXZ-N
› FVXM-F

BRP069B45
› FTXP-M
› ATXP-M
› FTXF-B/A
› FTXTP-K
› ATXTP-K
› FTXC-B
› ATXC-B

BRP069A81 **
Ceiling mounted
› FFA-A9
Concealed ceiling
› FDXM-F9
› FBA-A(9)
› FDA125A
› ADEA-A
Wall mounted
› FAA-A
Ceiling suspended
› FHA-A(9)
› FUA-A
Floor standing
› FVA-A
› FNA-A9

BRP069B82 **
Ceiling mounted
› FCAHG-H
› FCAG-B
› FDA200-250A

* adapter included with the unit
** Wired remote controller must be connected to the indoor unit to operate online controller

Madoka

The beauty of simplicity.

Silver
RAL 9006 (metallic)
BRC1H519S7

Black
RAL 9005 (matte)
BRC1H519K7

White
RAL9003 (glossy)
BRC1H519W7

User-friendly wired remote controller with premium design

Madoka combines refinement and simplicity

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

reddot award 2018
winner

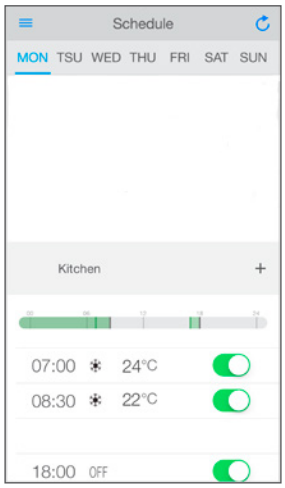
iF DESIGN AWARD 2018

Madoka Assistant

Simplifies the advanced settings such as schedule or set point limitation

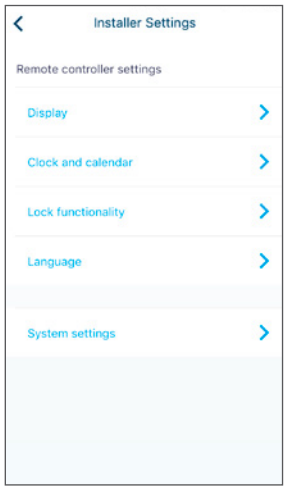
- ☑ Visual interface simplifies advanced settings such as schedule setting, energy saving activation, setting restrictions, etc.
- NEW ☑ Save field settings and schedules on your phone and upload to multiple controllers, saving time and cost
- ☑ Easy and quick commissioning
- ☑ Featuring Bluetooth® low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

Easy setting of schedules

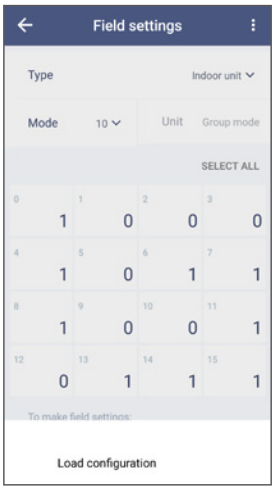


Advanced user settings

Installer settings



Field settings



BRC1H519W7 / BRC1H519S7 / BRC1H519K7

Madoka wired remote controller for Sky Air and VRV

BRC1H519W7

BRC1H519S7

BRC1H519K7

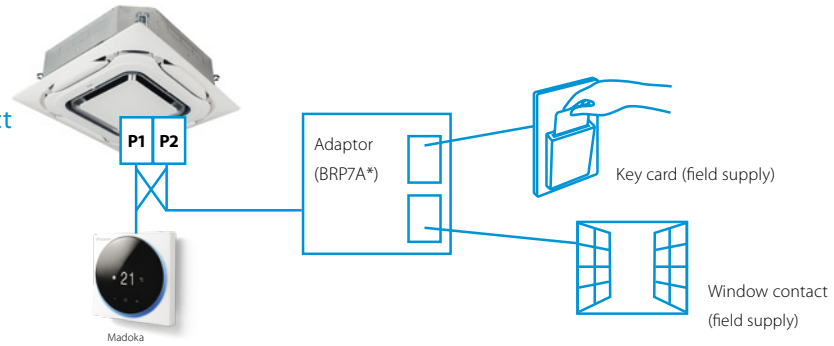
A complete redesigned controller focussed to enhance user experience

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

Hotel application features

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

Key card and window contact integration



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

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

- Temperature range restriction: Save on energy by setting the low temperature limit in cooling mode and the high temperature limit in heating mode (1) NEW
- 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

- Save field settings and schedules on your phone and upload to multiple controllers, saving time and cost
- 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/B/C

User friendly remote control for Sky Air and VRV

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

A series of energy saving functions that can be individually selected

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

Cost-effective solution for infrastructure cooling applications

> Only in combination with Sky Air A-series or Seasonal Smart outdoor unit

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
  BRC1E53B: English, Czech, Croatian, Hungarian, Romanian, Slovenian, Bulgarian
  BRC1E53C: English, Greek, Russian, Turkish, Polish, Slovak, Albanian

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

BRC1D52

Wired remote control for Sky Air and VRV

BRC1D52

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

ARC4*/BRC4*/BRC7*

Infrared remote control

ARC466A1

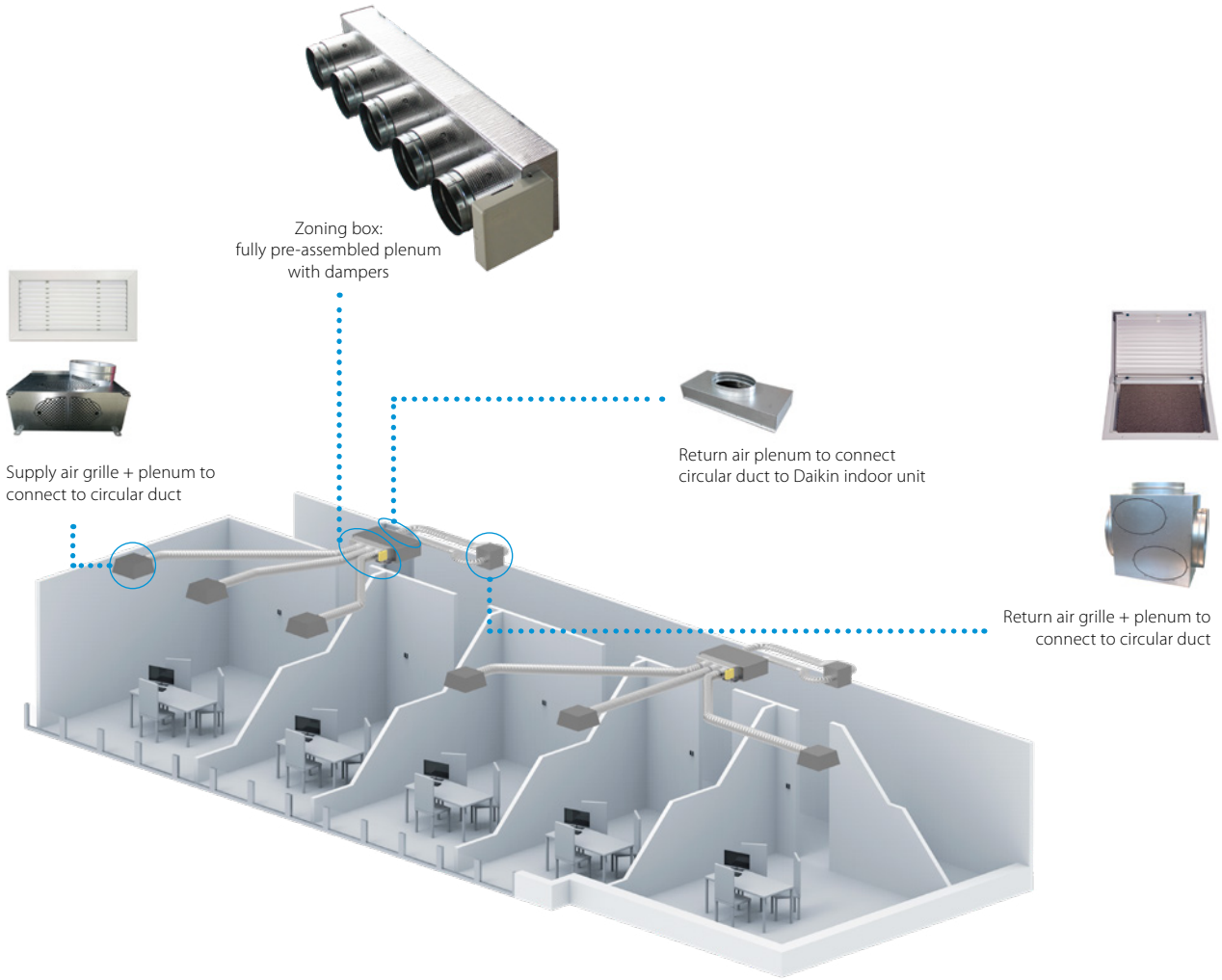
BRC4*/BRC7*

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

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

Multizoning kits

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.



Compatibility

Number of motorised dampers		Reference	Dimensions H x W x D (mm)	SkyAir FDXM-F9 25	35	50	60	FBA-A(9) 35	50	60	71	100	125	140	ADEA-A 71	100	125	VRV FXDQ-A3 15	20	25	32	40	50	63	FXSQ-A 15	20	25	32	40	50	63	71	80	100	125	140
Standard Ceiling Void	2	AZEZ6DAIST07XS2	300 x 930 x 454																						•	•	•	•								
		AZEZ6DAIST07S2						•	•																				•	•						
	3	AZEZ6DAIST07XS3	300 x 930 x 454																						•	•	•	•								
		AZEZ6DAIST07S3						•	•																				•	•						
	4	AZEZ6DAIST07S4	300 x 930 x 454					•	•																				•	•						
		AZEZ6DAIST07M4	300 x 1,140 x 454							•	•				•																•		•			
	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	515 x 1,425 x 454									•	•	•		•	•																	•	•	
		AZEZ6DAIST07XL8																																		•
Compact Ceiling Void	2	AZEZ6DAISL01S2	210 x 720 x 444	•	•													•	•	•	•															
	3	AZEZ6DAISL01S3	210 x 720 x 444	•	•													•	•	•	•															
	4	AZEZ6DAISL01M4	210 x 930 x 444																			•	•													
	5	AZEZ6DAISL01L5	210 x 1,140 x 444			•	•																	•												

Controls

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

AZCE6BLUEFACECB
(Wired)

Blueface - main thermostat

› Intuitive graphical, colour touch screen for controlling multiple zones

AZCE6THINKCB (Wired)
AZCE6THINKRB (Wireless)

Think - zone thermostat

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

AZCE6LITECB (Wired)
AZCE6LITERB (Wireless)

Lite - zone thermostat

› Simplified thermostat with touch buttons for temperature control

› Optional bus cable (2 x 0.5 mm² | 2 x 0.22 mm²), 10m length: AZX6CABLEBUS10, 100m length: AZX6CABLEBUS100

AZX6WSCLOUDDINC (Ethernet)
AZX6WSCLOUDDINR (WiFi)

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

AZX6BACNET

BACnet gateway

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

Grilles and plenums

Supply air grilles and plenums

RDHV040015BKX

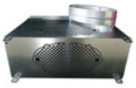
Wall type supply grille

› With horizontal and vertical adjustable flaps

RLQV040015BKX

Ceiling type supply grille

› With horizontal flaps angled at 15°
› Vertical flaps can be adjusted manually



PREJ0400150T

Plenum for supply grille

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

Return air grilles and plenums

RRFR050050BTX

Return air grille with integrated filter

› Filters particles from the air

BR500

Plenum for return grille

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

AZCEZDAPR07*

Plenum for return air

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

Centralised control of the Sky Air and VRV system can be achieved via

3 user friendly compact remote controllers.

These controllers may be used independently or in combination with:
1 group = several (up to 16) indoor units in combination
1 zone = several groups in combination.
A centralised remote controller is ideal for use in tenanted commercial buildings subject to random occupation, enabling indoor units to be classified in groups per tenant (zoning).
The schedule timer programmes the schedule and operation conditions for each tenant and the control can easily be reset according to varying requirements.

DCS302C51

Centralised remote controller

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

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

DST301B51

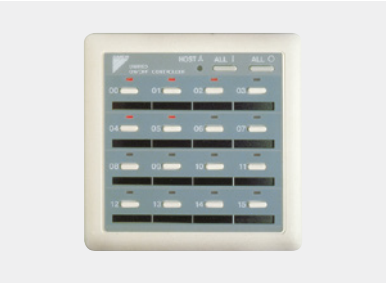
Schedule timer

Enabling 64 groups to be programmed.

- a maximum of 128 indoor units can be controlled
- 8 types of weekly schedule
- a maximum of 48 hours back up power supply
- a maximum wiring length of 1,000m (total: 2,000m)

DCS301B51

Unified ON/OFF controller



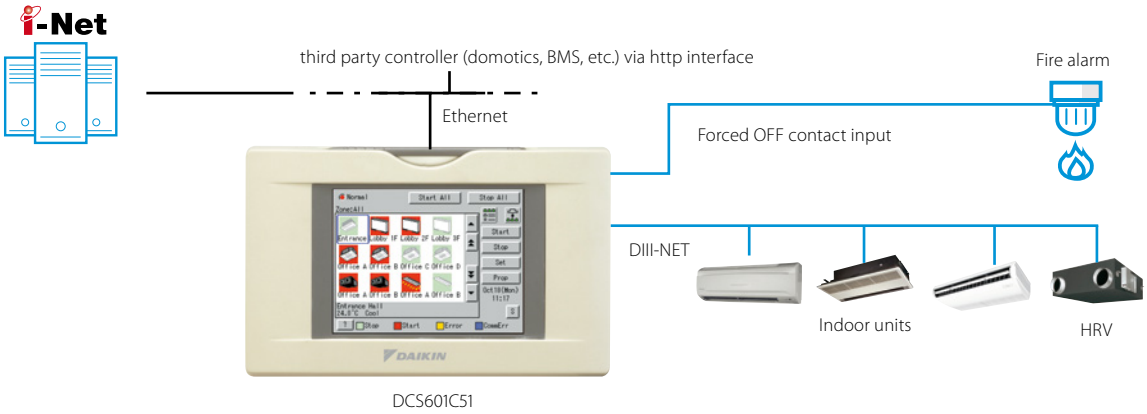
Providing simultaneous and individual control of 16 groups of indoor units.

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

intelligent touch Controller

DCS601C51

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



Languages

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

System layout

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

Control

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

Monitoring

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

Cost performance

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

Open interface

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

Connectable to

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

intelligent Tablet Controller

DCC601A51

Advanced centralised controller with Cloud connection

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

2 solutions:

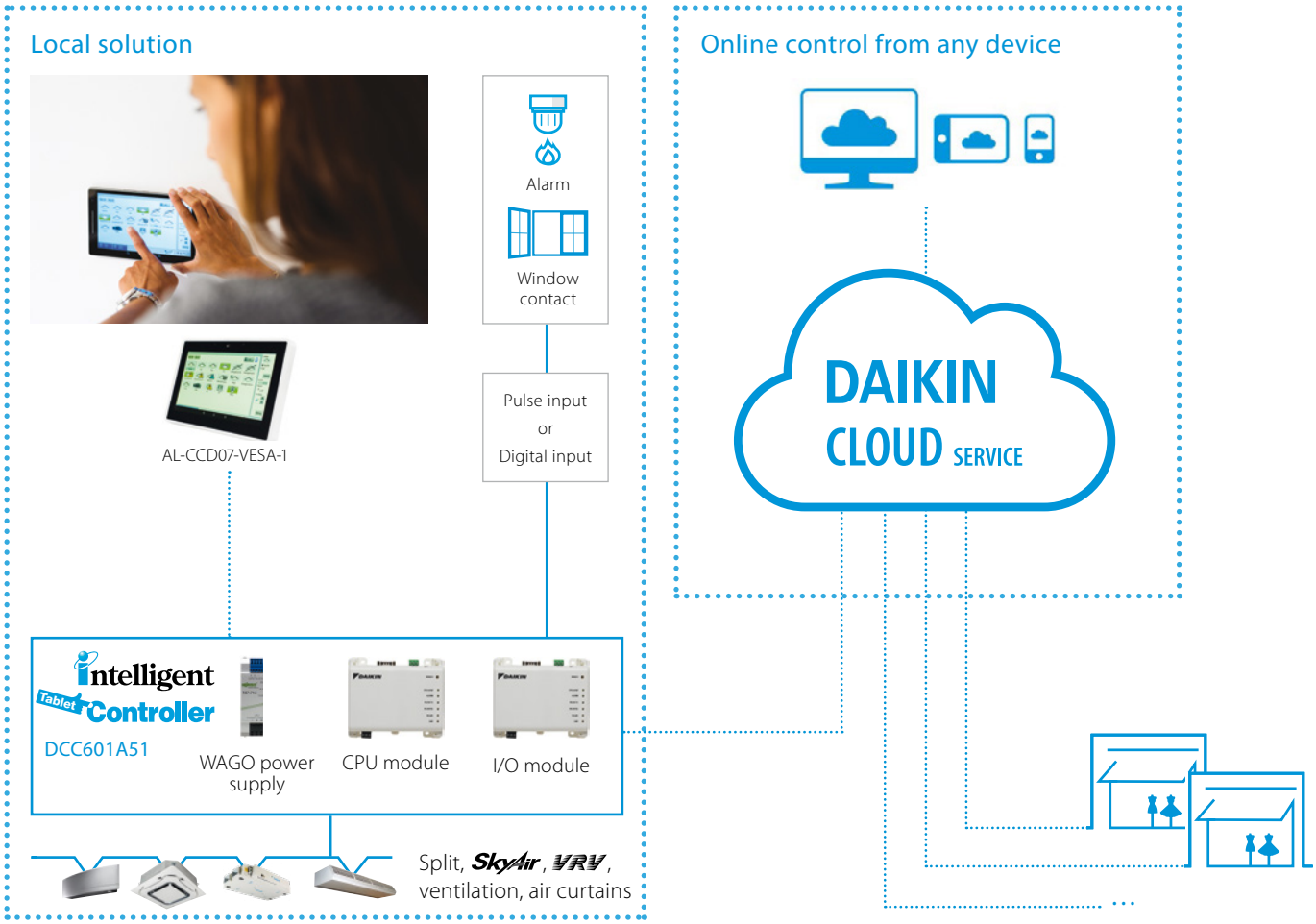
Local solution

› Offline centralised control
› Stylish optional screen fits any interior

Cloud solution

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

System layout



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

Total solution

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

Daikin Cloud Services

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

User friendly touch control

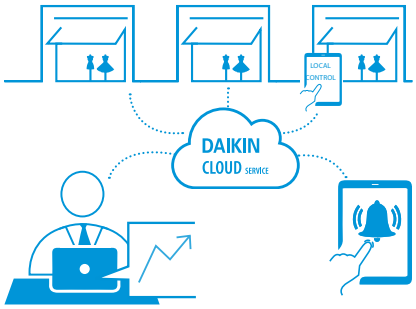
› Stylish Daikin supplied optional screen for local control fits any interior
› Intuitive and user-friendly interface
› Full solution with simple control
› Easy commissioning

Flexible

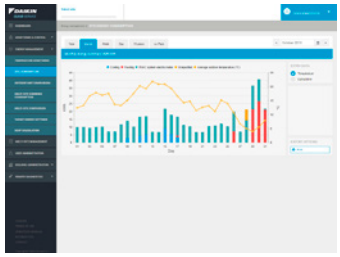
› Pulse/digital inputs for 3rd party equipment such as kWh meters, emergency input, window contact, …
› Modular concept allows your cloud to grow with your business
› Control up to 32 indoor units per controller and 320 units per site

(1) only available in combination with certain indoor units

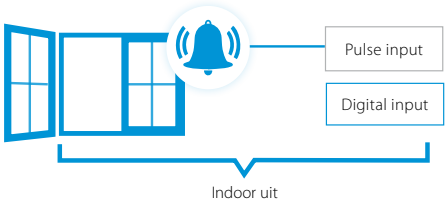
From one to ∞ sites



NEW
Clear dashboard overview



Energy management and consumption follow up



Functions overview

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

For available Daikin Cloud Service options refer to the option list

intelligent touch Manager

DCM601A51

Mini BMS

with full integration across all product pillars

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

NEW

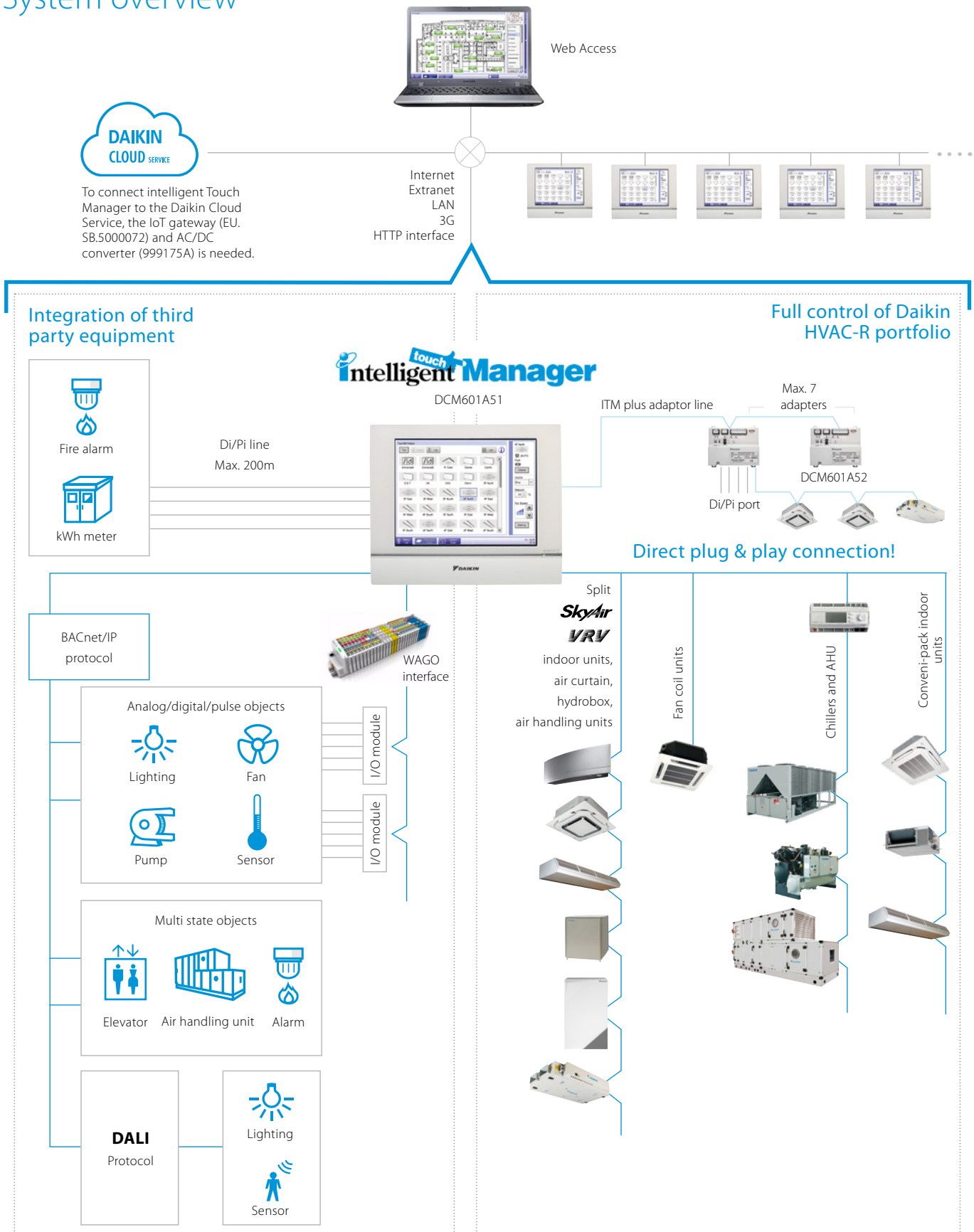
Download the WAGO selection tool from my.daikin.eu

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

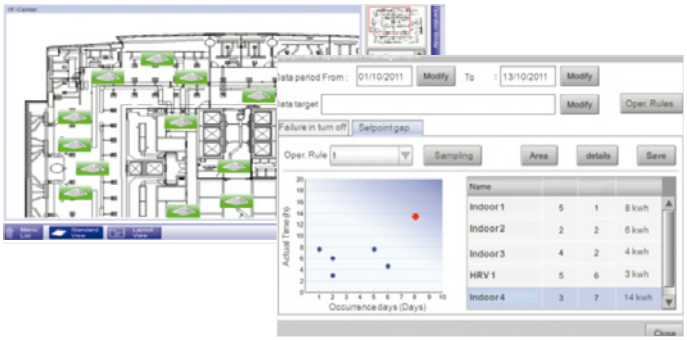
Check on YouTube

https://www.youtube.com/DaikinEurope

System overview



touch intelligent Manager



User friendliness
› Intuitive user interface
› Visual lay out view and direct access to indoor unit main funtions
› All functions direct accessible via touch screen or via web interface

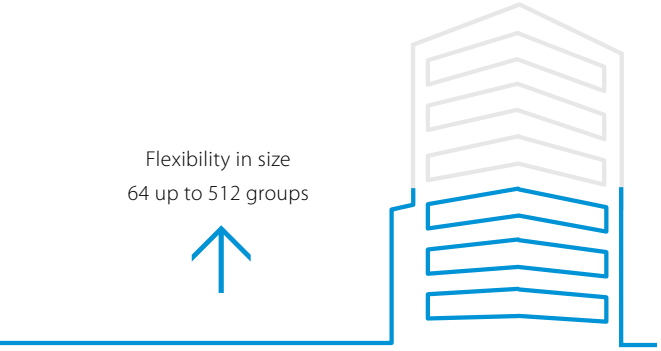
Smart energy management
› Monitoring if energy use is according to plan
› Helps to detect origins of energy waste
› Powerful schedules guarantee correct operation throughout the year
› Save energy by interlocking A/C operation with other equipment such as heating

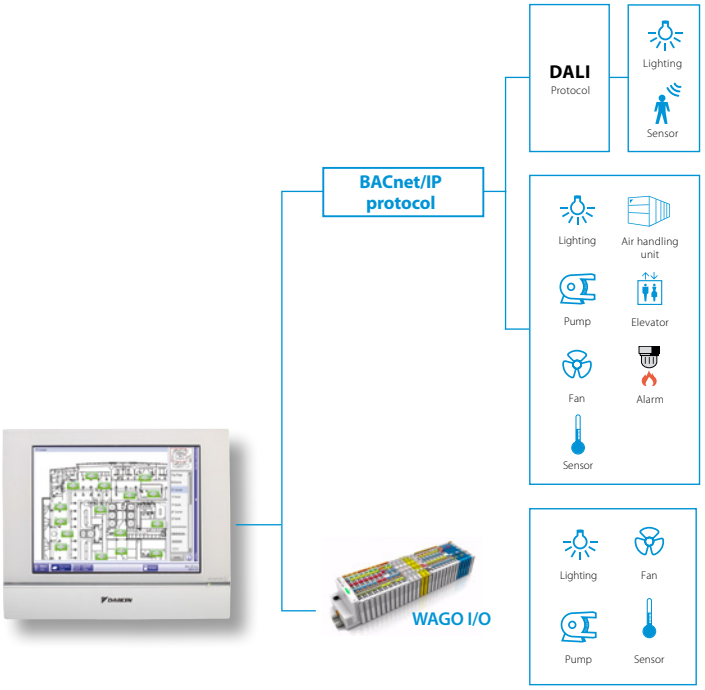
Flexibility
› Cross-pillar integration (heating, air conditioning, applied systems, refrigeration, air handling units)
› BACnet protocol for 3rd party products integration
› I/O for integration of equipment such as lights, pumps… on WAGO modules
› Modular concept for small to large applications
› Control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

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

Plug & play

Flexibility in size
64 up to 512 groups





Functions overview

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

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

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

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

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

Control
- Individual control (512 groups)
- Schedule setting (Weekly schedule, yearly calender, seasonal schedule)
- Interlock control
- Setpoint limitation
- Temperature limit

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

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

Modbus Interface

RTD

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

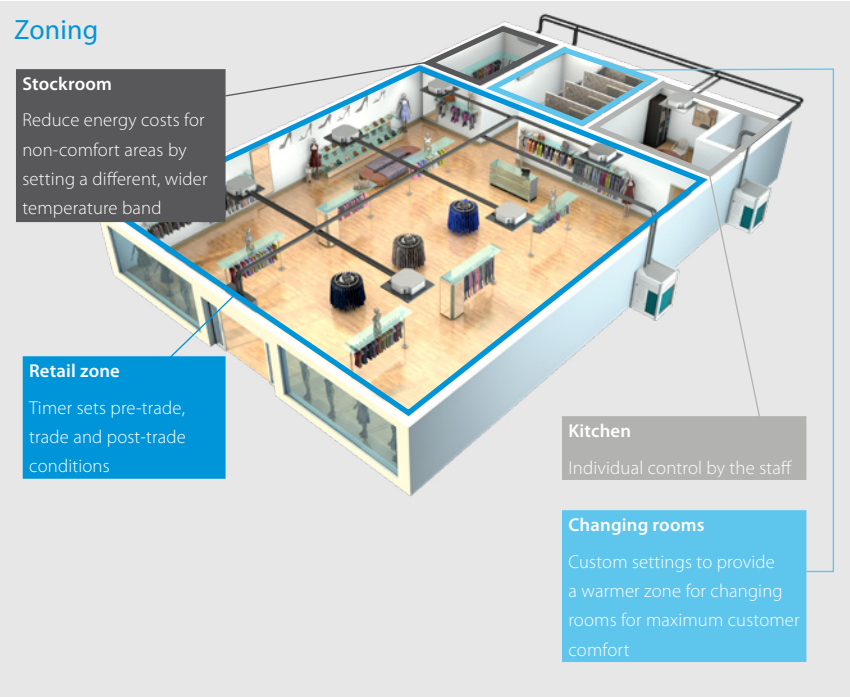
RTD-10
› Advanced integration into BMS of Sky Air, VRV, VAM and VKM through either:
- Modbus
- Voltage (0-10V)
- Resistance

› Duty/standby function for server rooms

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

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

RTD-20 retail economiser
Control zones in shop applications



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

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

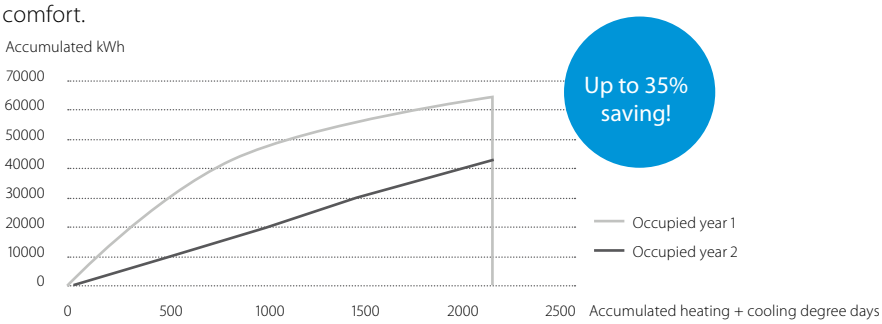
› Trading:
- achieving set-point
- staff could access controllers
- heat cool clash can occur
- door curtain not interlocked
- always trying to achieve set-point

› Post-Trade:
- either on or off

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

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

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



Overview functions

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

(1): By combining RTD-RA devices

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

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

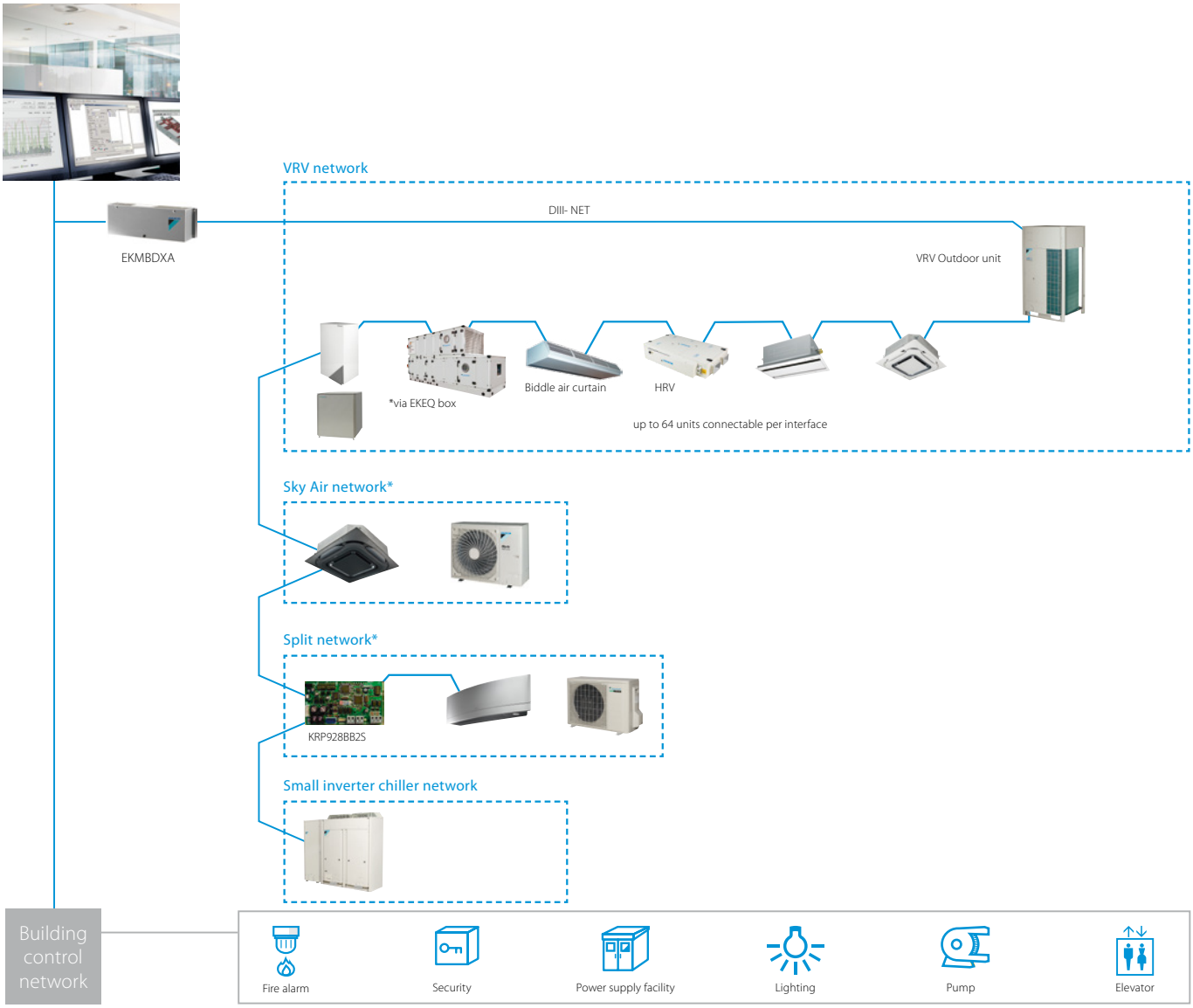
M : Modbus / R : Resistance / V : Voltage / C: control
* : only when room is occupied / ** : setpoint limitation / (*) if available
*** : no fan speed control on the CYV air curtain / **** : run & fault

DIII-net Modbus interface

EKMBDXA

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).



* Additional centralized controller might be required. For more information contact your local dealer.

			EKMBDXA7V1
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: 9600 bps or 19200 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

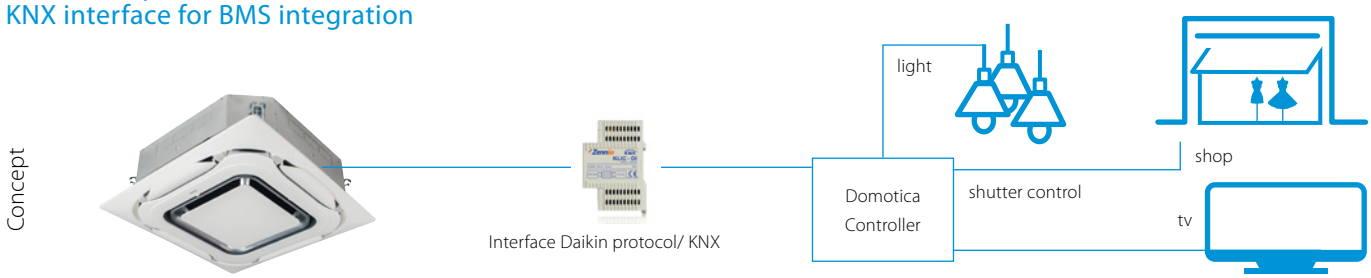
KNX interface

KLIC-DD(3)
KLIC-DI

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

Daikin Cloud Service

to achieve optimal operation

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

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

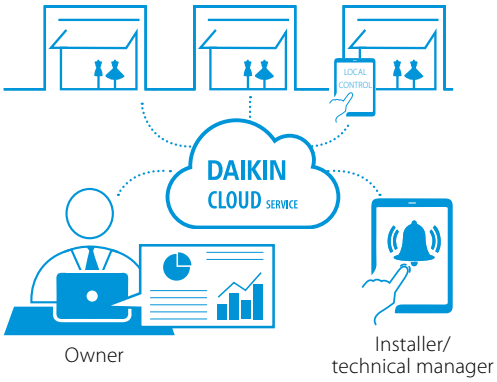
Remote control and energy visualisation

Puts you in the driving seat of your energy management

- ☑ Control and monitor your premises, wherever you are
- ☑ Centralised control and monitoring of all your premises
- ☑ Check errors remotely without having to go on site
- ☑ Visualise energy consumption and reduce energy waste by comparing different premises

Multi-site monitoring

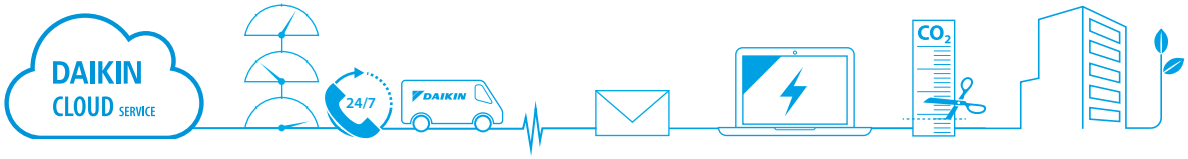
From one to an ∞ number of sites



Remote support and diagnostics

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

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



Advice and optimisation

Get the best out of your system through expert advice

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

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

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

** Only available for VRV systems

Daikin Cloud Service packages

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

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

Flexible solution

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

Control*, no matter where you are

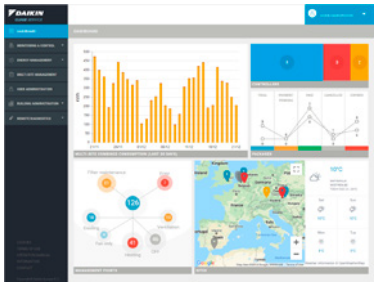
Daikin Cloud Service gives you full control of one or more premises wherever you are, using your PC, tablet or smartphone.

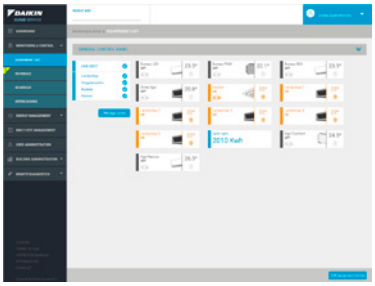
Predictive logic for VRV to prevent breakdowns

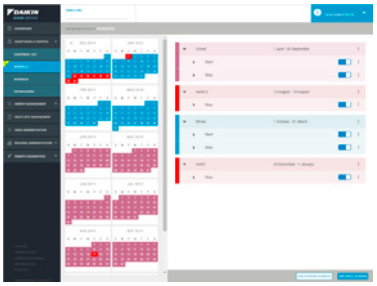
The operational data is continuously analysed by Daikin algorithms to predict potential failures and avoid unexpected costs.

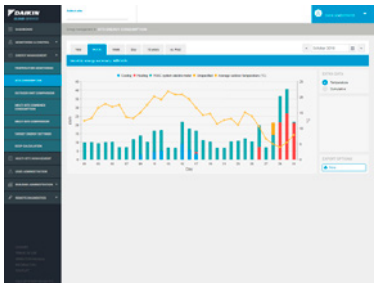
Compatible with:

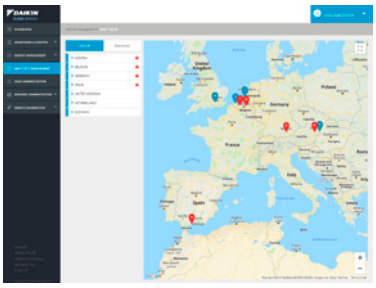
› Intelligent Tablet Controller (DCC601A51)
› Intelligent Touch Manager (DCM601A51) + IoT gateway
› LC8 + IoT gateway


1. Clear dashboard overview


2. Monitor and control your system


3. Easy setting of schedules


4. Energy management and consumption follow up


5. Multi site management

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

** Only available for VRV systems

Wireless room temperature sensor

K.RSS

Flexible and easy installation

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

Connection diagram Daikin indoor unit PCB (FXSQ example)

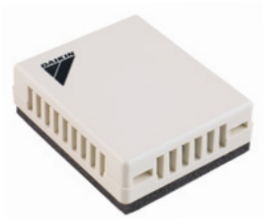
Specifications

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

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

Wired room temperature sensor

KRCS*



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

Specifications

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

Adapter PCBs

Simple solutions for unique requirements Concept and benefits

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

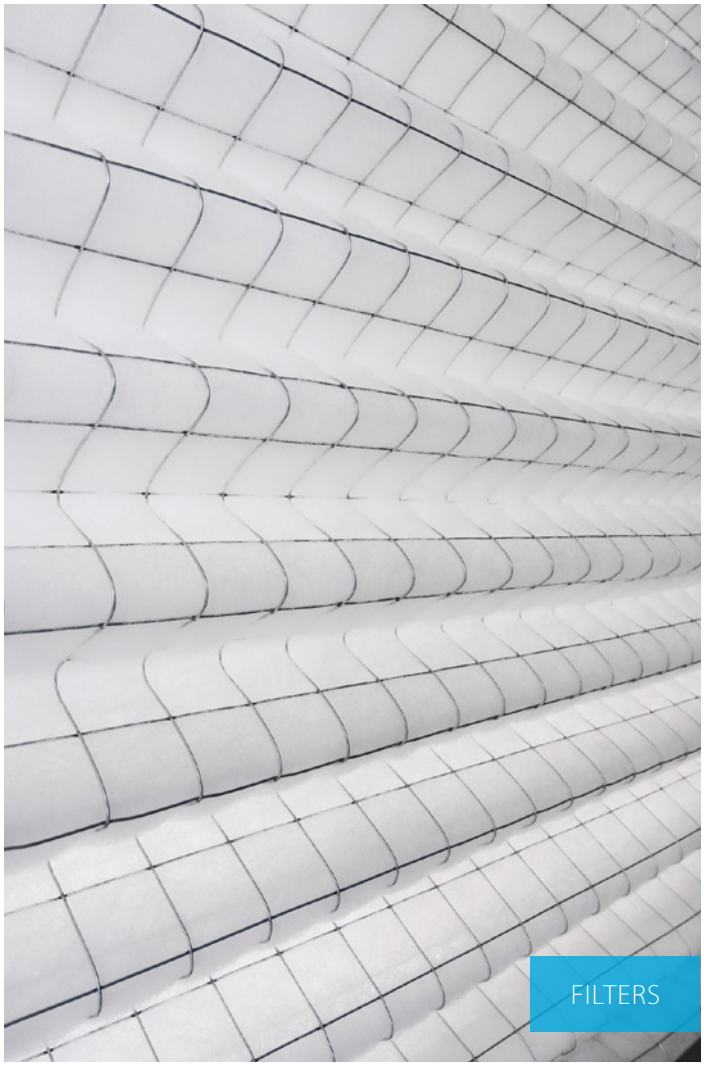
			Connectable to:		
			Split	Sky Air	VRV
	(E)KRP1B* adapter for wiring	• Facilitates integration of auxiliary heating apparatus, humidifiers, fans, damper • Powered by and installed at the indoor unit		●	●
	KRP2A*/KRP4A* Wiring adapter for electrical appendices	• Remotely start and stop up to 16 indoor units (1 group) (KRP4A* via P1 P2) • Remotely start and stop up to 128 indoor units (64 groups) (KRP2A* via F1 F2) • Alarm indication/ fire shut down • Remote temperature setpoint adjustment • Cannot be used in combination with a central controller		●	●
	KRP58M3	• Low noise and demand control option for RZQ200/250C		●	
	SB.KRP58M51	• Low noise and demand control option for RZQG and RZQSG single phase • Includes mounting plate EKMKSA1		●	
	KRP58M51	• Low noise and demand control option for RZQG1 and RZQSG 3 phase		●	
	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	●		
	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	●		
	KRP980* Adapter for split units without an S21 port	• Connect a wired remote control • Connect to Daikin central controls • Allow external contact	●		

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

Sky Air	**132**
Indoor units	132
Outdoor units	134
Rooftops	135
Ventilation	**136**
Control systems	**138**

Options - Sky Air

	INDOOR UNITS	FCAHG-H FCAG-B	FFA-A9	FDXM-F9	FBA-A(9)
Panels	Decoration panel (obligatory for cassette units, optional for others)	Standard panels: BYCQ140E (white) / BYCQ140EW (full white)(1) / BYCQ140EB (black) Auto cleaning panels(2) (4): BYCQ140EGF (white) / BYCQ140EGFB (black) Designer panels: BYCQ140EP (white) / BYCQ140EPB (black)	BYFQ60CW (white) BYFQ60CS (silver) BYFQ60B3 (standard)		
	Panel spacer for reducing required installation height		KDBQ44B60 (only for standard panel)		
	Sealing kit for 3- or 2-directional air discharge	KDBHQ56B140	BDBHQ44C60		
	Sensor kit	BRYQ140B (white) BRYQ140BB (black) BRYQ140C (white designer) BRYQ140CB (black designer)	BRYQ60AW (white)(9) BRYQ60AS (silver)(9)		
Individual control systems	Online Controller	BRP069B82 (14)	BRP069A81	BRP069A81	BRP069A81
	Infrared remote control (incl. receiver)	BRC7FA532F (white) (11) BRC7FA532FB (black) (11) BRC7FB532F (designer white) (11) BRC7FB532FB (designer black) (11)	BRC7EB530W for standard panel (5)(6) BRC7F530W for white panel (5)(6) BRC7F530S - for silver panel (5)(6)	BRC4C65	BRC4C65
	Madoka **BRC1H519W7** (9) (White) / **BRC1H519S7** (9) (Silver) / **BRC1K519K7** (9) (Black) User-friendly wired remote controller with premium design	●	●	●	●
	BRC1E53A/B/C (3) (13) - Wired remote controller with full-text interface and back-light	●	●	●	●
Centralised control systems	DIII-net connection - for connection to centralized control	standard	standard	standard	standard
	DCC601A51 - intelligent Tablet Controller	●	●	●	●
	DCS601C51 (13) - intelligent Touch Controller	●	●	●	●
	DCS302C51 (13) - Central remote controller	●	●	●	●
	DCS301B51 (13) - Unified ON/OFF controller	●	●	●	●
	DST301B51 (13) - Schedule timer	●	●	●	●
Building Management System & Standard protocol interfaces – for individual control	**RTD-NET** - Modbus interface for monitoring and control	●	●	●	●
	RTD-10 - Modbus interface for infrastructure cooling	●	●	●	●
	RTD-20 - Modbus interface for retail	●	●	●	●
	RTD-HO - Modbus interface for hotel	●	●	●	●
	KLIC-DI - KNX Interface	●	●	●	●
Building Management System & Standard protocol interfaces – for central control	**DCM601A51** - intelligent Touch Manager	●	●	●	●
	EKMBDXA - Modbus interface	●	●	●	●
	DCM010A51 - Daikin PMS interface	●	●	●	●
	DMS502A51 - BACnet Interface	●	●	●	●
	DMS504B51 - LonWorks Interface	●	●	●	●
Filters	Replacement long-life filter, non-woven type	KAFP551K160	KAF441C60		
	Auto cleaning filter	see deco panel		BAE20A62 (25 - 35) BAE20A102 (50 - 60)	
	Filter chamber				
Wiring and sensors	Extension wire auto cleaning panel (required when auto cleaning panel AND online controller are both installed)				
	KRCS - External wired temperature sensor	KRCS01-7B	KRCS01-4	KRCS01-4	KRCS01-4
	K.RSS - External wireless temperature sensor	SB.K.RSS_RFC (EKEWTSC-1 + 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 external monitoring/control via dry contacts and setpoint control via 0-140 Ω	KRP4A53 (10)(11)	KRP4A53 (10)	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)	KRP1BB101	KRP1BB101	KRP1B101/KRP1BB101
	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)			2 dampers (25 - 35) 3 dampers (25 - 35) 4 dampers (50) 5 dampers (60)	2 dampers (35 - 50) 3 dampers (35 - 50) 4 dampers (35 - 71) 5 dampers (60 - 140) 6 dampers (60 - 140) 7 dampers (100 - 140) 8 dampers (100 - 140)
	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

FDA125A	FDA200-250A	ADEA-A	FAA-A	FTXM-N	FHA-A(9)	FUA-A	FVA-A	FNA-A9
						KDBHP49B140 + KDBTP49B140		
BRP069A81	BRP069B82	BRP069A81	BRP069A81	BRP069A41	BRP069A81	BRP069A81	BRP069A81	BRP069A81
BRC4C65	BRC4C65	BRC4C65	BRC7EB518		BRC7GA53-9	BRC7CB58		BRC4C65
●	●	●	●		●	●	●	●
●	●	●	●	● (BRC073A1) BRCW901A03/A08 extention cords available)	●	●	●	●
standard	standard	standard	standard	KRP928BB2S	standard	standard	standard	standard
●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●
	BAFL502A250				KAF501B56 (35-50) KAF501B80 (60-71) KAF501B160 (100-140)	KAF5511D160	KAFJ95L160	
	BDD500B250							
KRCS01-4	KRCS01-8B	KRCS01-4	KRCS01-4		KRCS01-4	KRCS01-4		KRCS01-4
●	SB.K.RSS_FDA (EKEWTSC-2 + K.RSS)	●	●		●	●		●
	KRP4A51			KRP413AB1S			KRP1B57 (10)	
KRP1C64 (7)	KRP1C65	KRP1B54			KRP1B54 (10)			
EKRP1B2 (7)	EKRP1C13	EKRP1B2 (7)						KRP1B56
KRP2A51 (8)	KRP2A51	KRP2A51 (7)(10)						
		KRP4A52 (10)	KRP4A51 (10)		KRP4A52 (10)	KRP4A53 (10)	KRP4A52 (10)	KRP4A54-9
BRP7A54 (12)	BRP7A54	BRP7A51 (12)	BRP7A51 (10)		BRP7A52 (10)	BRP7A53 (10)	BRP7A52	BRP7A51
KRP4A96		KRP1B101/KRP1BB101	KRP4A93		KRP1D93A [box)	KRP1BA97	KRP4AA95	KRP1BB101
EKRORO3		standard	standard		EKRORO4	EKRORO5	standard	standard
	BDU510B250VM		K-KDU572EVE		KDU50R63 (35 - 60) KDU50R160 (71 - 140)			
		2 dampers (35 - 50) 3 dampers (35 - 50) 4 dampers (35 - 71) 5 dampers (60 - 140) 6 dampers (60 - 140) 7 dampers (100 - 140) 8 dampers (100 - 140)						
					KHFP5MA35 (35) KHFP5N63 (50-60) KHFP5N160 (71-140)			
					KDDQ50A140			
KDAJ25K140A		KDAP25A56A (35-50) KDAP25A71A (60-71) KDAP25A140A [100-140)						

(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
(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 online controller are connected

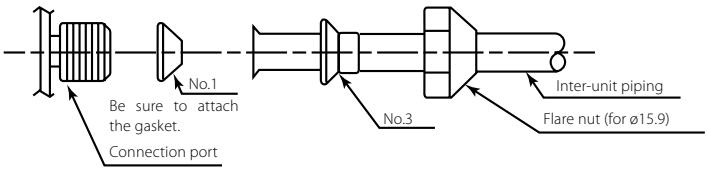
		R-32				
		RZAG-A	RZAG-NV1/NY1	RZASG-MV1/MY1	RZA-D	AZAS-MV1/MY1
Refrigerant branch piping	for twin		KHRQ(M)58T	KHRQ(M)58T	KHRQ(M)22M20TA	
	for triple		KHRQ(M)58H (100 - 140)	KHRQ(M)58H (100 - 140)	KHRQ(M)250H7	
	for double twin		KHRQ(M)58T (3x) (125 - 140)	KHRQ(M)58T (3x) (125 - 140)	KHRQ(M)22M20TA (x3)	
	Asymmetric combinations piping reducer	ASYCPIR (see table below)				
Demand adapter kit			SB.KRP58M52 (1)	SB.KRP58M52 (1)	SB.KRP58M3 (2)	
Bottom plate heater			EKBPH140N		EKBPH250D	

(1) Contains KRP58M1 and obligatory mounting kit EKMKSA2
(2) Contains KRP58M3 and obligatory mounting kit EKMKSA3

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		●	
	FTXM50N		●	
	FHA50A9		●	
RZAG60A	FBA71A9	●		
	FCAG71B	●		●
	FTXM71N			●
	FHA71A9	●		●

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



		Base series - UATYQ-ABAY1			2 damper series - UATYQ-AFC2Y1					3 damper series - UATYQ-AFC3Y1				
		20-55	65-75	90-115	20	25-30	45-55	65-75	90-115	20	25-30	45-55	65-75	90-115
UATYQWRC Remote controller (standard 1 delivered with the unit)		•	•	•	•	•	•	•	•	•	•	•	•	•
UATYQBACNET BMS interface: BACnet (IP); Modbus (TCP/IP)		•	•	•	•	•	•	•	•	•	•	•	•	•
UATYQAVM1 Anti-vibration mounts		• 2x	• 3x	• 4x	• 2x	• 2x	• 2x	• 4x	• 4x	• 2x	• 2x	• 3x	• 4x	• 4x
Rainproof hood & protection grill					UATYQRAPH1	UATYQRAPH2	UATYQRAPH3	UATYQRAPH4	UATYQRAPH5	UATYQRAPH1	UATYQRAPH2		UATYQRAPH4 x2 (1)	UATYQRAPH5 x2 (1)

		Heat Recovery Ventilation - Modular L (Smart)						
		ALB02LBS/RBS	ALB03LBS/RBS	ALB04,05LBS/ RBS	ALB06,07LBS/ RBS	VAM 150FC9	VAM 250FC9	VAM 350J
Individual control systems	**BRC301B61** VAM wired remote control	•	•	•	•	•	•	•
	Madoka **BRC1H519W7** (White) / **BRC1H519S7** (Silver) / **BRC1H519K7** (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	•	•	•	•	•	•	•
	DST301B51 Schedule timer	•	•	•	•	•	•	•
Building Management System & Standard protocol interface	**DCM601A51** intelligent Touch Manager	•	•	•	•	•	•	•
	EKMBDXA Modbus interface	•	•	•	•	•	•	•
	DMS502A51 BACnet Interface	•	•	•	•	•	•	•
	DMS504B51 LonWorks Interface	•	•	•	•	•	•	•
Filters	Coarse 55% (G4)	ALF02G4A	ALF03G4A	ALF05G4A	ALF07G4A			
	ePM_{10} 75% (M5)	ALF02M5A	ALF03M5A	ALF05M5A	ALF07M5A			
	ePM_{10} 70% (M6)							EKAFVJ50F6
	ePM_1 50% (F7)	ALF02F7A	ALF03F7A	ALF05F7A	ALF07F7A			
	ePM_1 55% (F7)							EKAFVJ50F7
	ePM_1 70% (F8)							EKAFVJ50F8
	ePM_1 80% (F9)	ALF02F9A	ALF03F9A	ALF05F9A	ALF07F9A			
	High efficiency filter							
	Replacement air filter							
Mechanical accessories	Rail	ALA02RLA	ALA03RLA	ALA05RLA	ALA07RLA			
	Rectangular to round duct transition	ALA02RCA	ALA03RC	ALA05RCA	ALA07RCA			
	Separate plenum							
CO_2 sensor		BRYMA200	BRYMA200	BRYMA200	BRYMA200			BRYMA65
Electrical heater NEW		ALD02HEFB	ALD03HEFB	ALD05HEFB	ALD07HEFB	GSIEKA10009	GSIEKA15018	GSIEKA20024
Silencer (900mm depth)		ALS0290A	ALS0390A	ALS0590A	ALS0790A			
Electrical accessories	Wiring adapter for external monitoring/control (controls 1 entire system)					KRP2A51	KRP2A51	KRP2A51 (2)
	Adapter PCB for humidifier					KRP50-2	KRP50-2	BRP4A50A (4)
	Adapter PCB for third party heater					BRP4A50	BRP4A50	BRP4A50A (4)
	External wired temperature sensor							
	Adapter PCB Mounting plate							

Notes
(1) Do not connect the system to DIII-net devices LONWorks interface, BACnet interface, …; (intelligent Touch Manager, EKMBDXA are allowed)
(2) Installation box KRP1BA101 needed
(3) Adapter PCB mounting plate needed, applicable model can be found in the table above
(4) 3rd party heater and 3rd party humidifier cannot be combined
(5) Contains 1 plenum and can be used for half side of the unit (up to 4 plenums can be used on 1 unit)
(6) Available only with optional plenum

Energy recovery ventilation - VAM						Energy recovery ventilation VKM			Air handling unit applications		
VAM 500J	VAM 650J	VAM 800J	VAM 1000J	VAM 1500J	VAM 2000J	VKM 50GB (M)	VKM 80GB (M)	VKM 100GB (M)	EKEQ FCBA (1)	EKEQ DCB (1)	EKEQ MCBA (1)
•	•	•	•	•	•						
•	•	•	•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•			
•	•	•	•	•	•	•	•	•			
•	•	•	•	•	•	•	•	•			
•	•	•	•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•			
•	•	•	•	•	•	•	•	•			
EKAFVJ50F6	EKAFVJ65F6	EKAFVJ100F6	EKAFVJ100F6	EKAFVJ100F6 x2	EKAFVJ100F6 x2						
EKAFVJ50F7	EKAFVJ65F7	EKAFVJ100F7	EKAFVJ100F7	EKAFVJ100F7 x2	EKAFVJ100F7 x2						
EKAFVJ50F8	EKAFVJ65F8	EKAFVJ100F8	EKAFVJ100F8	EKAFVJ100F8 x2	EKAFVJ100F8 x2						
						KAF242H80M	KAF242H100M	KAF242H100M			
						KAF241H80M	KAF241H100M	KAF241H100M			
				EKPLEN200 (5)	EKPLEN200 (5)						
BRYMA65	BRYMA65	BRYMA100	BRYMA100	BRYMA200	BRYMA200	BRYMA65	BRYMA100	BRYMA200			
GSIEKA20024	GSIEKA25030	GSIEKA25030	GSIEKA25030	GSIEKA35530 (6)							
KRP2A51 (2)	KRP2A51 (2)	KRP2A51 (2)	KRP2A51 (2)	KRP2A51 (2)	KRP2A51 (2)	BRP4A50A (4)	BRP4A50A (4)	BRP4A50A (4)			
BRP4A50A (4)	BRP4A50A (3/4)	BRP4A50A (4)	BRP4A50A (4)	BRP4A50A (3/4)	BRP4A50A (3/4)	BRP4A50A (4)	BRP4A50A (4)	BRP4A50A (4)			
BRP4A50A (4)	BRP4A50A (3/4)	BRP4A50A (4)	BRP4A50A (4)	BRP4A50A (3/4)	BRP4A50A (3/4)	BRP4A50A (4)	BRP4A50A (4)	BRP4A50A (4)			
										KRCS01-1	
	EKMP65VAM			EKMPVAM							

Individual and centralised controls

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

(1) recommended as wider (more stable mounting)

Intelligent Tablet Controller - DCC601A51

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

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

Intelligent Touch Manager - DCM601A51

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

WAGO interface options for intelligent Touch Manager

Required or optional WAGO base modules

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

Supported WAGO I/0 modules

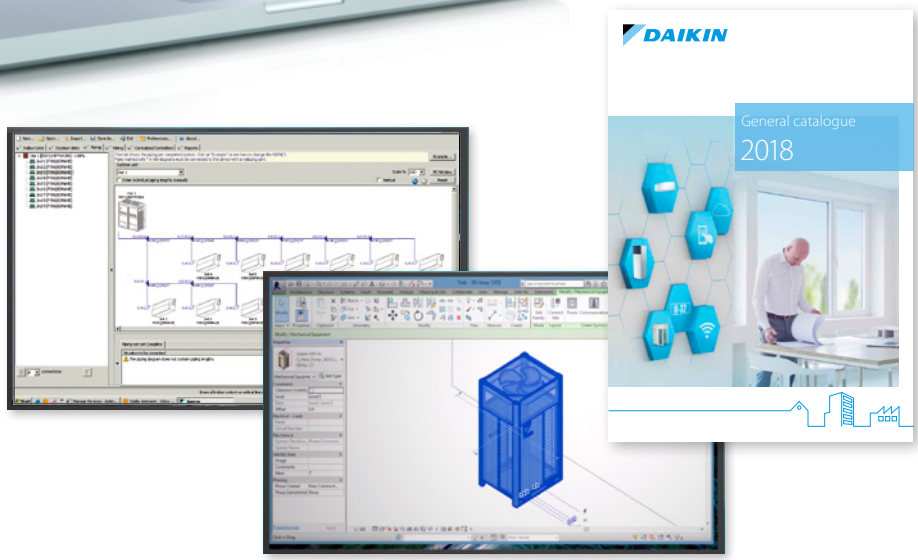
I/0 module type	Model code	Specifications	N° of contacts
Di	750-400	No-voltage contact input Contact rating: 24 V DC / 4.5 mA"	2
	750-432		4
	750-430	No-voltage contact input Contact rating: 24 V DC / 2.8 mA	8
Do	750-513/000-001	No-voltage contact output Contact rating: 230 V AC / 30 V DC, 2 A	2
	750-504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

(1) This connector must be attached to a communications unit that is connected to the RS485 port (2-pin) of the iTM unit.

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

We're here to help you!
Online and offline

http://daikinpromoshop.eu



Tools
& platforms

Literature overview 142
Supporting tools, software and apps 144

Solutions catalogues:

Reference books:

Reference catalogue
Daikin commercial and industrial references
213

Product profiles:

VRV IV S-series
Main benefits, application examples and specs of VRV IV S-series product range
208

VRV IV i-series
Main benefits, application examples and specs of VRV IV i-series product range
207

Water-to-air heat pump
Detailed info on VRV IV W-series, application examples, technical system design background
209

VRV5 S-Series
VRV 5
Main benefits and specs of VRV 5
210

Focus topics:

Replacement Technology
Clear installer benefits of VRV replacement technology
214

Infrastructure cooling
Clear installer benefits why to choose Daikin for infrastructure cooling
140

F-gas regulation
Details on the F-gas regulation and how Daikin is prepared for the future HVAC-R market
605

Certified Reclaimed refrigerant
L∞P by Daikin
Detailed info on L∞P by Daikin where reclaimed refrigerant is reused
223

Product flyers:

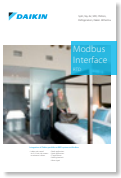
Mini Sky Air Alpha-series
RZAG-A mini Sky Air Alpha-series
Main benefits and specs of RZAG-A series
146

Low height Sky Air Alpha-series
RZAG-N* Sky Air Alpha-series
Main benefits and specs of the low height RZAG-N*
147

Low height large Sky Air Advance-series
RZA-D Sky Air Advance-series
Main benefits and specs of the low height RZA-D* series
148

VRV IV S-series
Mini VRV L∞P by Daikin Main benefits and specs of RXYSQ-TV9/TY9 series with reclaimed refrigerant
224

Madoka
Detailed info on BRC1H* remote control
306



RTD modbus interface
Detailed info on RTD controls and applications
308

Product catalogues:

Sky Air Catalogue
Detailed technical information & benefits on Sky Air
100

VRV Catalogue
Detailed technical information & benefits of the VRV total solution
200

Ventilation Catalogue
Detailed info on Ventilation products
203

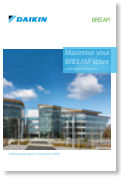
Solutions catalogues:

Commercial Solutions
Daikin offers solutions for commercial applications

100

Green Buiding Solutions
Clear building owner/investor benefits why to choose Daikin for a green building, with emphasis on BREEAM

216



Maximise your BREEAM score
BREEAM categories
Overview of how to score BREEAM points with Daikin

221

Hotel Solutions
Clear building owner/investor benefits why to choose Daikin for a hotel

218

Reference books:

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

219

Product profiles:

Intelligent Touch Manager
Detailed benefits of Intelligent Touch Manager

302

Intelligent Tablet Controller
Detailed benefits of Intelligent Tablet Controller

303

Daikin Cloud Serivce
Details on the Daikin Cloud connection

542

Focus topics:

Replacement technology
Clear building owner/investor benefits of replacement technology

15-215

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

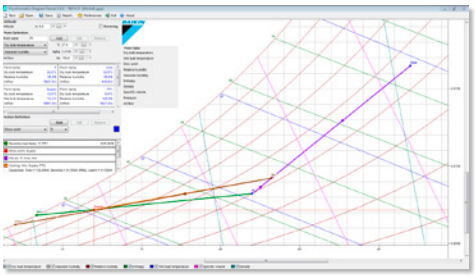
Supporting
tools, software and apps

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

Software

Ventilation Xpress

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



Webbased ASTRA selection for air handling units

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

WAGO selection tool

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

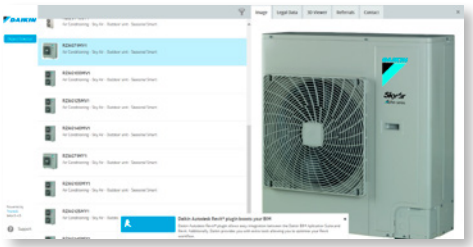
› Easy selection of WAGO materials
› Material list creation
› Time saving
  • Includes wiring schemes
  • Contains commissioning/preset data for

intelligent touch Manager

Plugins and third-party software tools

Building Information Modelling (BIM) support

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

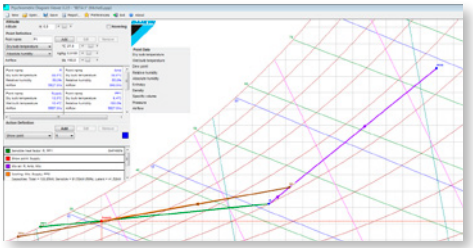


www.daikin.eu/BIM

Energy simulation and design aid tools

Psychrometrics diagram

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



Service tools

Error code app

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

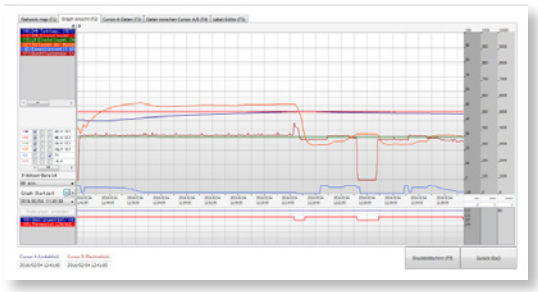
D-Checker

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

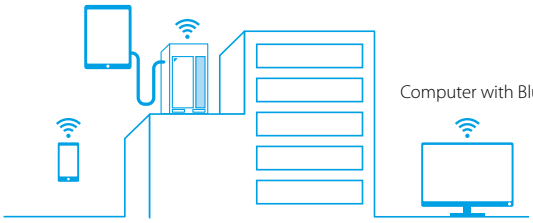
Bluetooth adaptor

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

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



Diagnosis of the Bluetooth system possible:



Online support

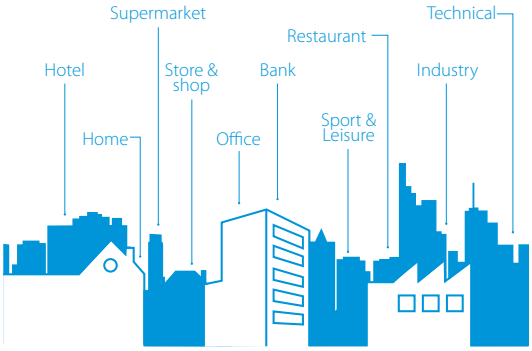
Business portal

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

my.daikin.eu

Internet

Find our solution for different applications:



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

› See our references

www.daikineurope.com/references

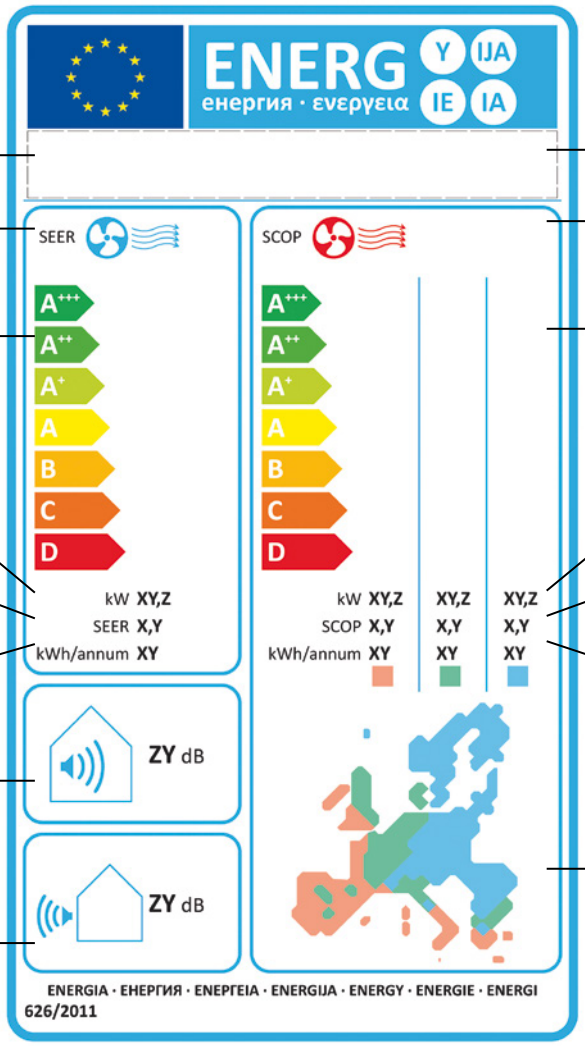
Europe's energy label

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



Name of manufacturer and product

SEER: seasonal efficiency values for cooling

Classifications from A+++ (most energy efficient) to D (least energy efficient

Design load for cooling

Seasonal efficiency ratings for cooling (SEER)

Annual energy consumption during a cooling season, including auxiliary modes

Sound power value for indoor unit

Sound power value for outdoor unit

Combination of indoor and outdoor unit

SCOP: seasonal efficiency values for heating

Classifications from A+++ (most energy efficient) to D (least energy efficient)

Design load for heating

Seasonal efficiency ratings for heating (SCOP)

Annual energy consumption during a heating season, including auxiliary modes

To take the broad range of conditions into account, 3 climate zones are used: cold, average and warm

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

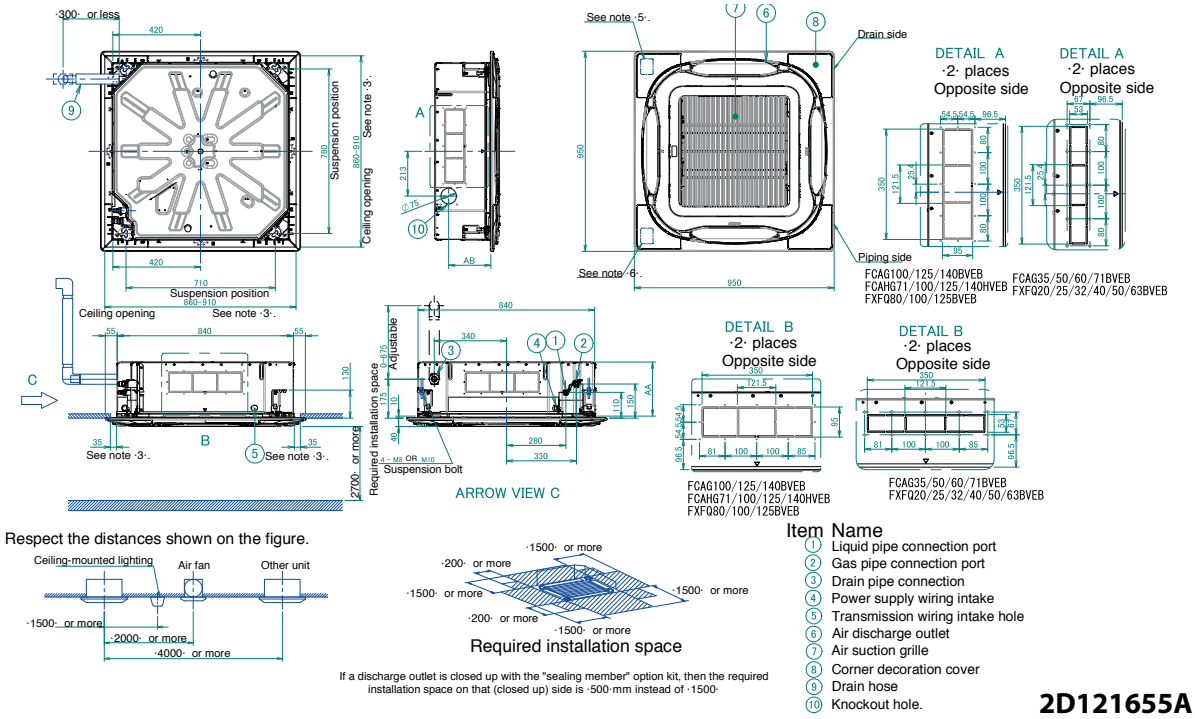
Indoor units	150
Outdoor units	181
Biddle air curtains	212
Ventilation units	215

Technical drawings
Indoor units

FCAG-B / FCAHG-H	151
FFA-A9	153
FDXM-F9	155
FBA-A(9)	158
FDA125A	163
FDA200-250A	165
ADEA-A	167
FAA-A	172
FHA-A(9)	173
FUA-A	176
FVA-A	177
FNA-A9	178

FCAG-B / FCAHG-H WITH STANDARD PANEL

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.

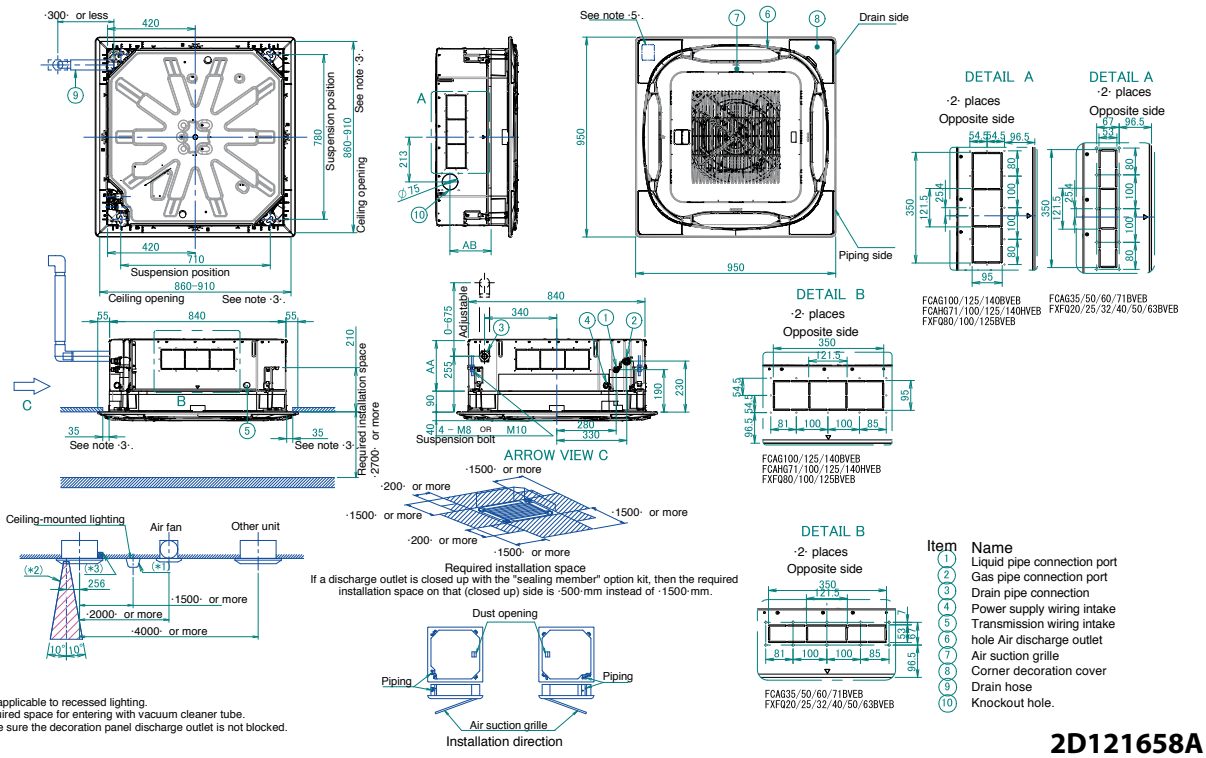


Item	Name
1	Liquid pipe connection port
2	Gas pipe connection port
3	Drain pipe connection
4	Power supply wiring intake
5	Transmission wiring intake hole
6	Air discharge outlet
7	Air suction grille
8	Corner decoration cover
9	Drain hose
10	Knockout hole.

2D121655A

FCAG-B / FCAHG-H WITH AUTO CLEANING PANEL

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.



(*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.

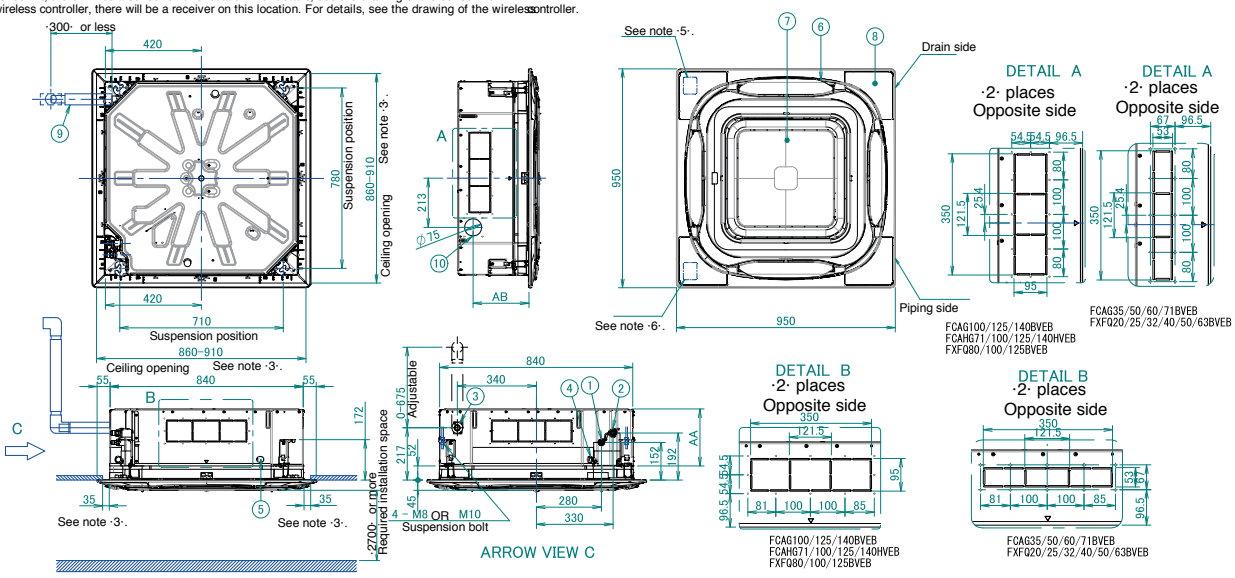
Item	Name
1	Liquid pipe connection port
2	Gas pipe connection port
3	Drain pipe connection
4	Power supply wiring intake
5	Transmission wiring intake
6	hole Air discharge outlet
7	Air suction grille
8	Corner decoration cover
9	Drain hose
10	Knockout hole.

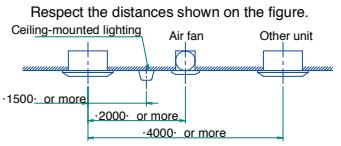
2D121658A

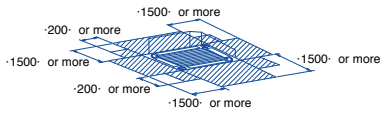
VIEW ALL FCAHG-H TECHNICAL DRAWINGS ON MY.DAIKIN.EU

FCAG-B / FCAHG-H - DESIGNER PANEL

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 10mm).
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.







Required installation space

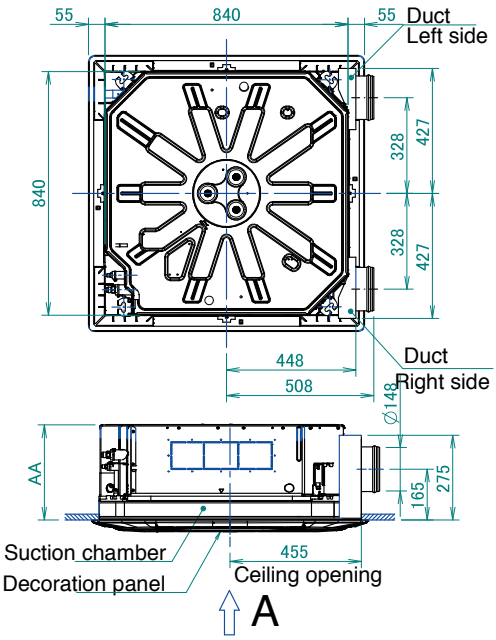
If a discharge outlet is closed up with the "sealing member" option kit, then the required installation space on that (closed up) side is ·500·mm instead of ·1500·mm.

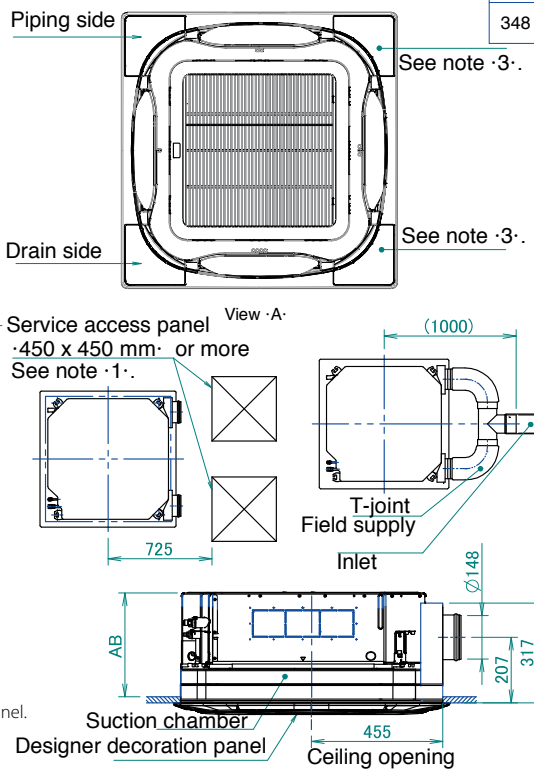
Item	Name
1	Liquid pipe connection port
2	Gas pipe connection port
3	Drain pipe connection
4	Power supply wiring intake
5	Transmission wiring intake
6	hole Air discharge outlet
7	Flat grille assembly
8	Corner decoration cover
9	Drain hose
10	Knockout hole.

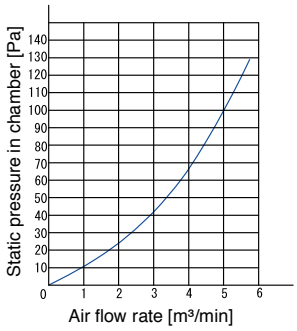
2D121703

FCAG-B / FCAHG-H - FRESH AIR INTAKE

AA	AB	Model name
264	306	FCAG35/50/60/71BVEB
		FXFQ20/25/32/40/50/63BVEB
306	348	FCAG100/125/140BVEB
		FXFQ80/100BVEB
348	390	FCAHG71/100/125/140HVEB
		FXFQ125BVEB



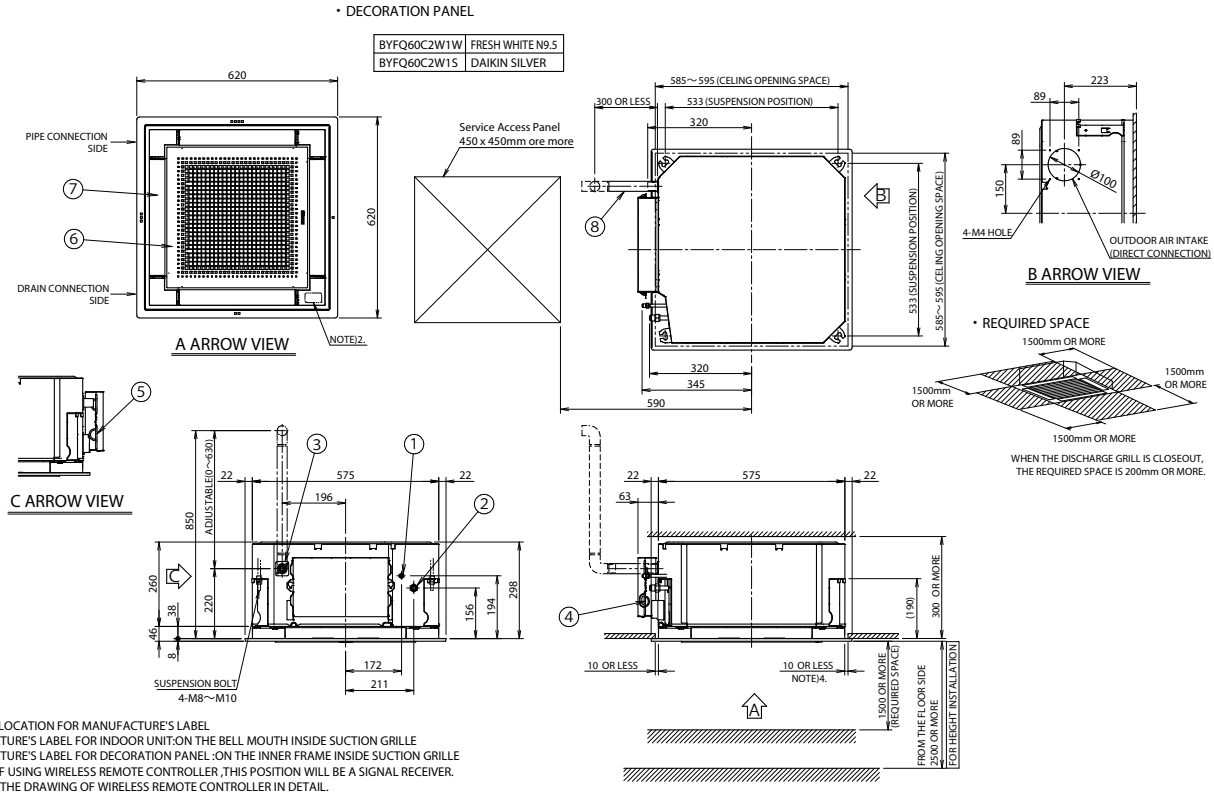




NOTES
1. When installing a fresh air intake kit, provide a service access panel.
2. Field construction
3. This corner discharge outlet needs to be closed.
4. When installing a duct fan, use a wiring adapter to link the duct fan to the fan of the indoor unit.
5. The intake air flow rate is recommended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

3D121741

FFA25-35A9 - FULLY FLAT PANEL

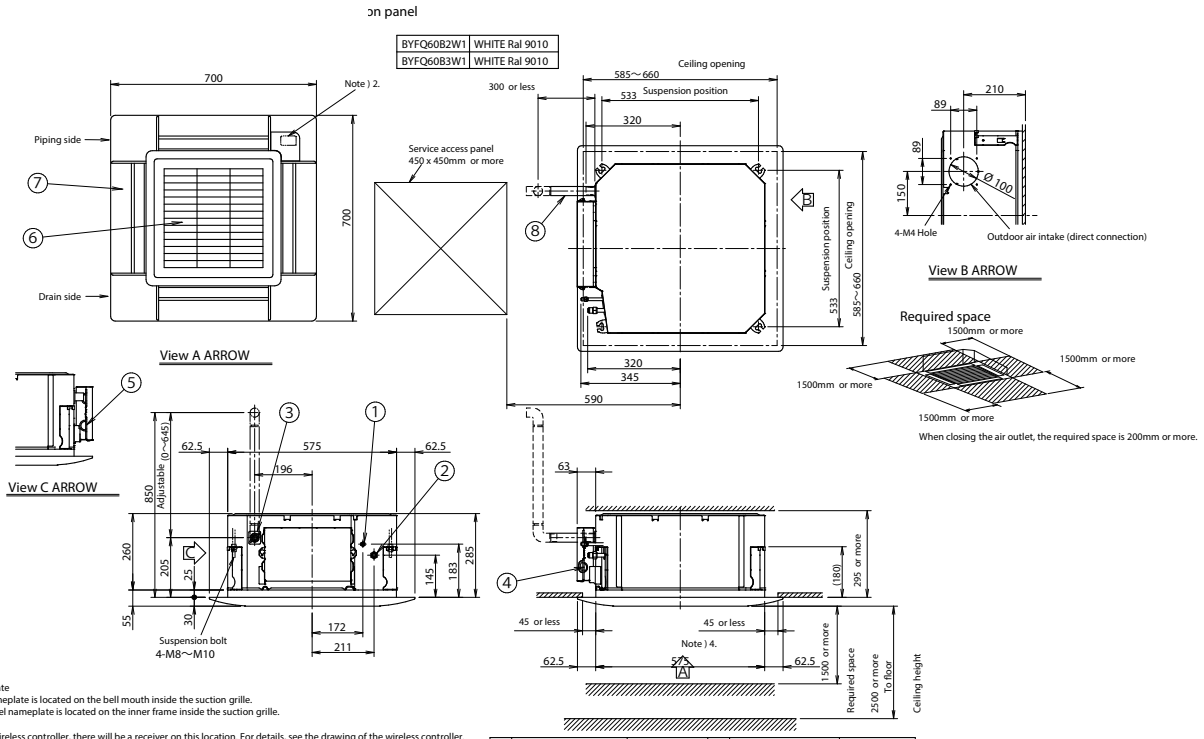


NOTE) 1. STICKING LOCATION FOR MANUFACTURE'S LABEL
MANUFACTURE'S LABEL FOR INDOOR UNIT:ON THE BELL MOUTH INSIDE SUCTION GRILLE
MANUFACTURE'S LABEL FOR DECORATION PANEL :ON THE INNER FRAME INSIDE SUCTION GRILLE
2. IN CASE OF USING WIRELESS REMOTE CONTROLLER ,THIS POSITION WILL BE A SIGNAL RECEIVER. REFER TO THE DRAWING OF WIRELESS REMOTE CONTROLLER IN DETAIL.
3. WHEN THE TEMPERATURE AND HUMIDITY IN THE CEILING EXCEED 30 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	ITEM	PART NAME	REMARK
1	LIQUID PIPE CONNECTION	φ6.4(FRARE CONNECTION)	5	REMOTE CONTROL CODE AND CONTROL WIRING CONNECTION	
2	GAS PIPE CONNECTION	φ9.5(FRARE CONNECTION)	6	AIR DISCHARGE GRILL	
3	DRAIN PIPE CONNECTION	VP20(O.D.φ26)	7	SUCTION GRILL	
4	POWER SUPPLY CONNECTION		8	DRAIN HOSE(ACCESSORY)	I.D.φ25(OUTLET)

3D082433

FFA25-35A9 - STANDARD PANEL



Note)

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 ≥10mm) 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	Item		Remark
1	Liquid pipe connection	φ6.4 Flare connection	5	Remote control wiring intake	
2	Gas pipe connection	φ9.5 Flare connection	6	Air discharge grille	
3	Drain pipe connection	VP20(O.D φ26)	7	Air suction grille	
4	Power supply		8	Drain hose Accessory	I.D.φ25 Outlet

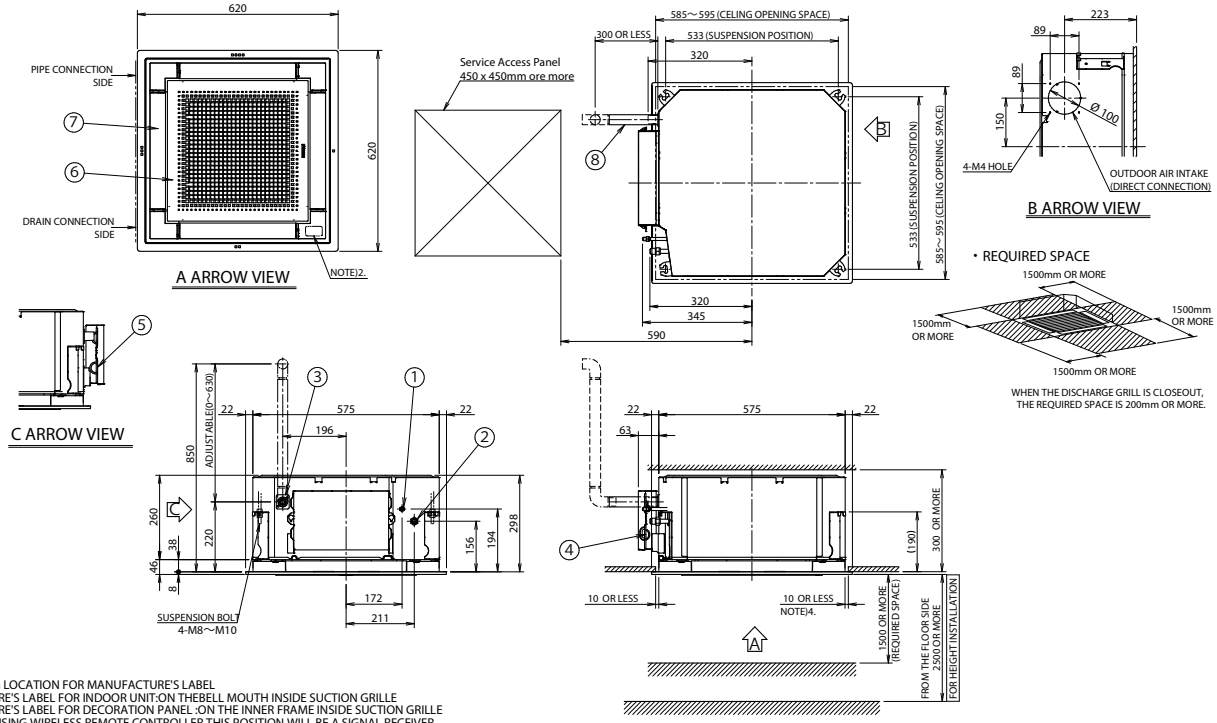
3D082434C

VIEW ALL FFA-A9 TECHNICAL DRAWINGS ON MY.DAIKIN.EU

FFA50-60A9 - FULLY FLAT PANEL

• DECORATION PANEL

BYFQ60C2W1W	FRESH WHITE N9.5
BYFQ60C2W1S	DAIKIN SILVER



WHEN THE DISCHARGE GRILL IS CLOSEOUT, THE REQUIRED SPACE IS 200mm OR MORE.

NOTE) 1.STICKING LOCATION FOR MANUFACTURE'S LABEL
MANUFACTURE'S LABEL FOR INDOOR UNIT:ON THEBELL 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 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.

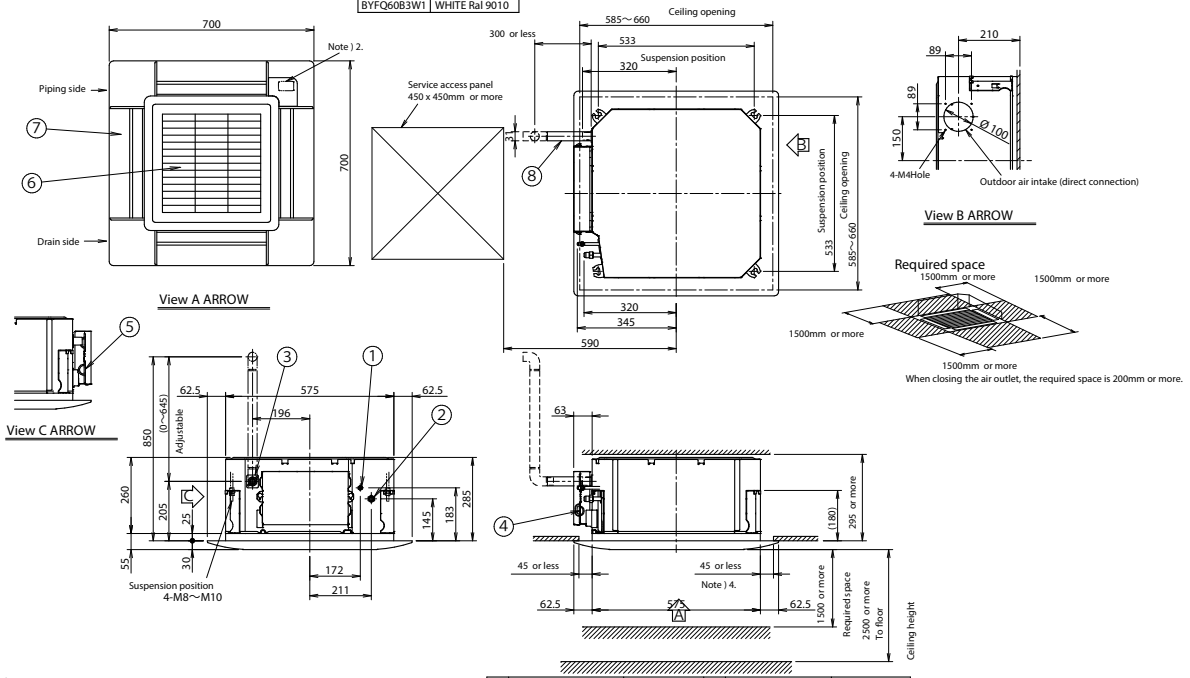
ITEM	PART NAME	REMARK	ITEM	PART NAME	REMARK
1	LIQUID PIPE CONNECTION	φ6.4(FRARE CONNECTION)	5	REMOTE CONTROL CODE AND CONTROL WIRING CONNECTION	
4	GAS PIPE CONNECTION	φ12.7(FRARE CONNECTION)	6	AIR DISCHARGE GRILL	
3	DRAIN PIPE CONNECTION	VP20(O.D.φ26)	7	SUCTION GRILL	
4	POWER SUPPLY CONNECTION		8	DRAIN HOSE(ACCESSORY)	I.D.φ25(OUTLET)

3D082052

FFA50-60A9 - STANDARD PANEL

Decoration panel

BYFQ60B2W1	WHITE Ral 9010
BYFQ60B3W1	WHITE Ral 9010

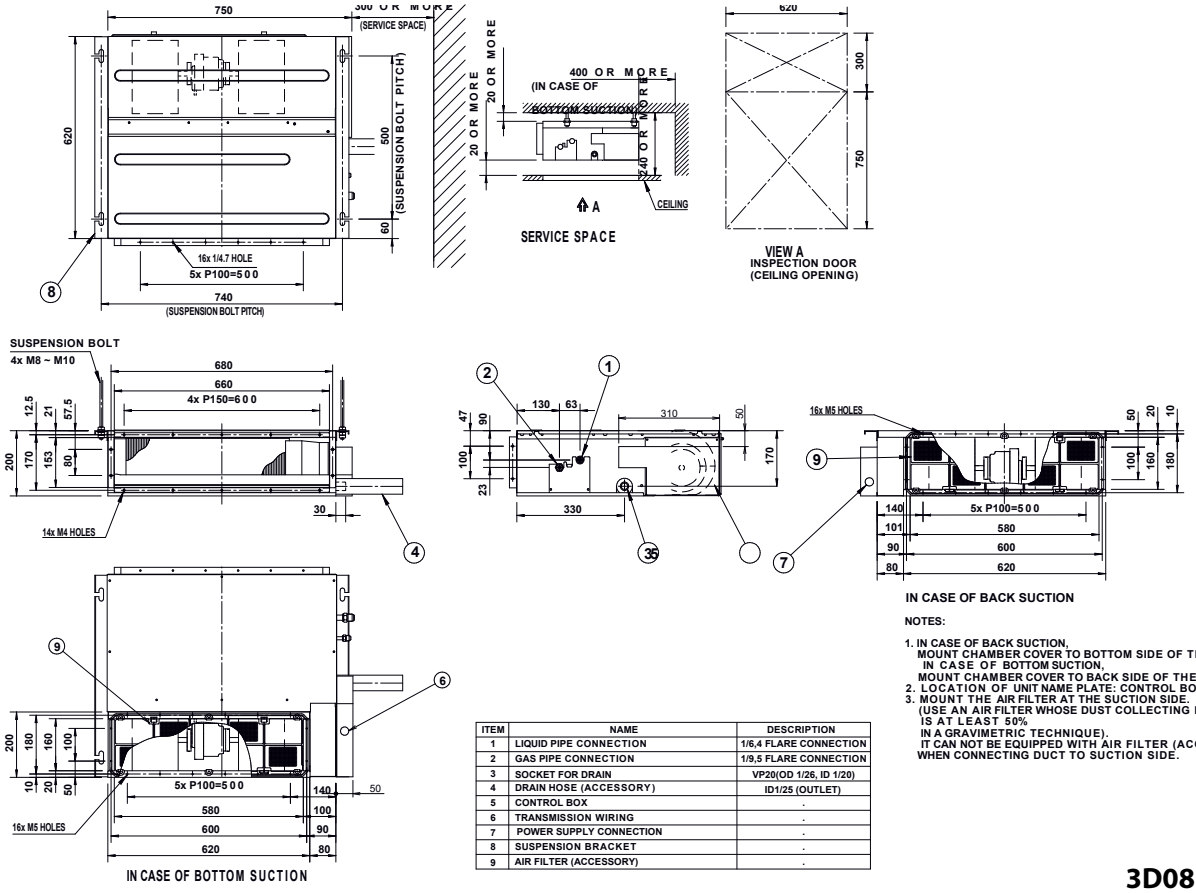


Note)
1. Location of nameplate
The indoor unit nameplate is located on the bell mouth inside the suction grille.
The decoration panel nameplate is located on the inner frame inside the suction grille.
2. When installing a wireless controller, there will be a receiver on this location. For details, see the drawing of the wireless controller.
3. If any of the following conditions are met, additional insulation (glass wool or polyethylene foam,thickness ≥10mm) 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 bet ween the indoor unit and the ceiling opening, so that the panel overlap allowance can be ensured.

Item	Part name	Remark	Item	Part name	Remark
1	Liquid pipe connection	φ6.4 Flare connection	5		
2	Gas pipe connection	φ12.7 Flare connection	6	Air discharge grille	
3	Drain pipe connection	VP20(O.D. φ 26)	7	Air suction grille	
4	Power supply		8	Drain hose Accessory	I.D.φ25 Outlet

3D082161C

FDXM25-35F9



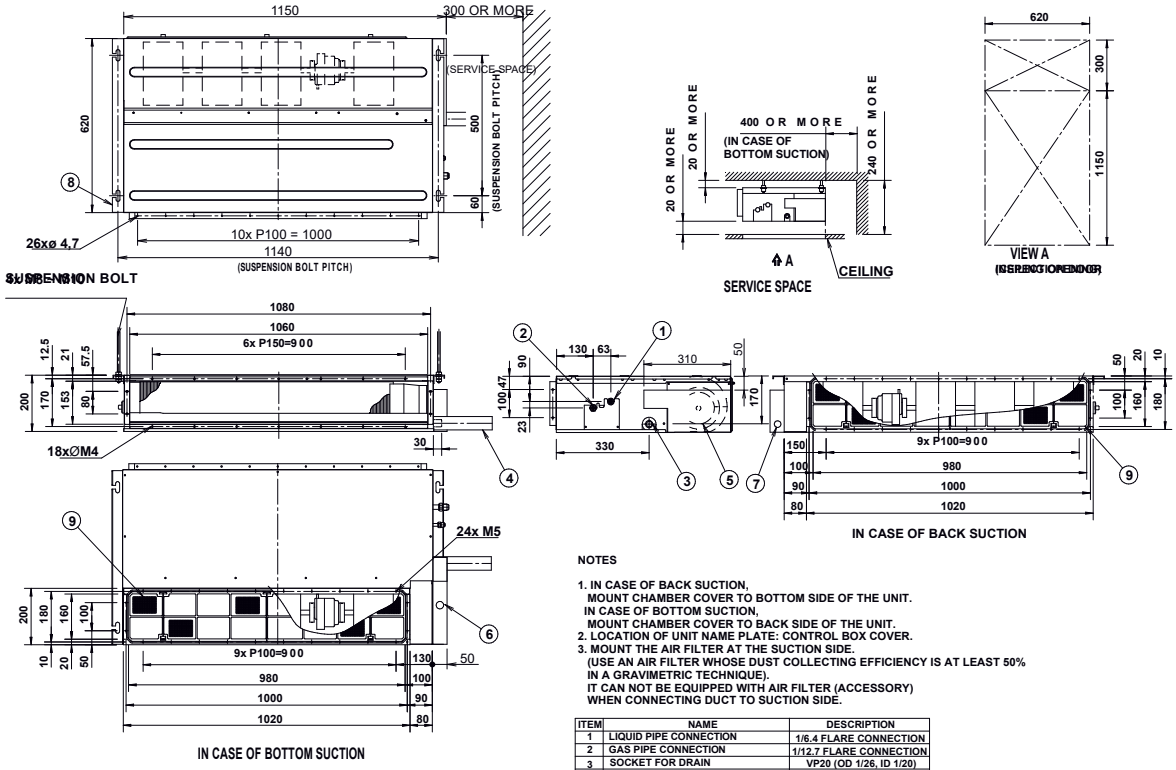
NOTES:

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.

ITEM	NAME	DESCRIPTION
1	LIQUID PIPE CONNECTION	1/6,4 FLARE CONNECTION
2	GAS PIPE CONNECTION	1/9,5 FLARE CONNECTION
3	SOCKET FOR DRAIN	VP20(OD 1/26, ID 1/20)
4	DRAIN HOSE (ACCESSORY)	ID1/25 (OUTLET)
5	CONTROL BOX	.
6	TRANSMISSION WIRING	.
7	POWER SUPPLY CONNECTION	.
8	SUSPENSION BRACKET	.
9	AIR FILTER (ACCESSORY)	.

3D081343

FDXM50-60F9



NOTES

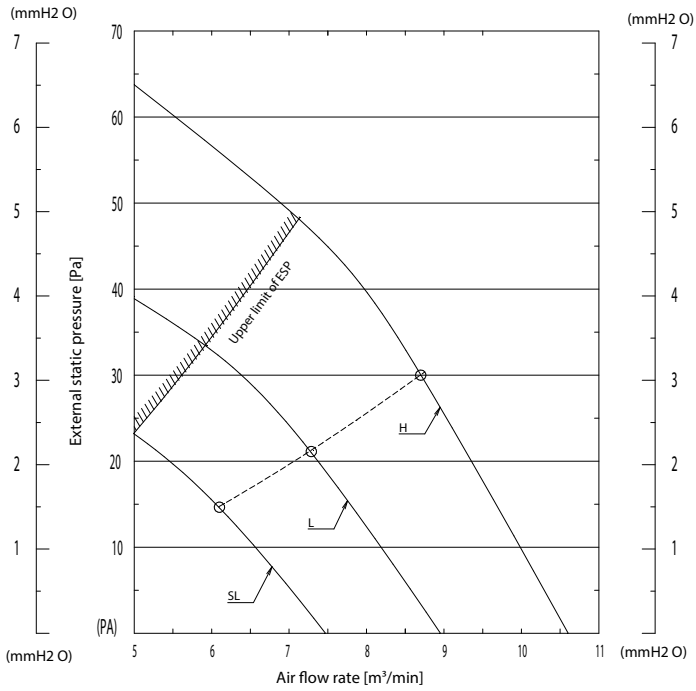
1. IN CASE OF BACK SUCTION,
   MOUNT CHAMBER COVER TO BOTTOM SIDE OF THE UNIT.
   IN CASE OF BOTTOM SUCTION,
   MOUNT CHAMBER COVER TO BACK SIDE OF THE UNIT.
2. LOCATION OF UNIT NAME PLATE: CONTROL BOX COVER.
3. MOUNT THE AIR FILTER AT THE SUCTION SIDE.
   (USE AN AIR FILTER WHOSE DUST COLLECTING EFFICIENCY IS AT LEAST 50% IN A GRAVIMETRIC TECHNIQUE).
   IT CAN NOT BE EQUIPPED WITH AIR FILTER (ACCESSORY) WHEN CONNECTING DUCT TO SUCTION SIDE.

ITEM	NAME	DESCRIPTION
1	LIQUID PIPE CONNECTION	1/6.4 FLARE CONNECTION
2	GAS PIPE CONNECTION	1/12.7 FLARE CONNECTION
3	SOCKET FOR DRAIN	VP20 (OD 1/26, ID 1/20)
4	DRAIN HOSE (ACCESSORY)	ID 1/25 (OUTLET)
5	CONTROL BOX	.
6	TRANSMISSION WIRING	.
7	POWER SUPPLY CONNECTION	.
8	SUSPENSION BRACKET	.
9	AIR FILTER (ACCESSORY)	.

3D081360

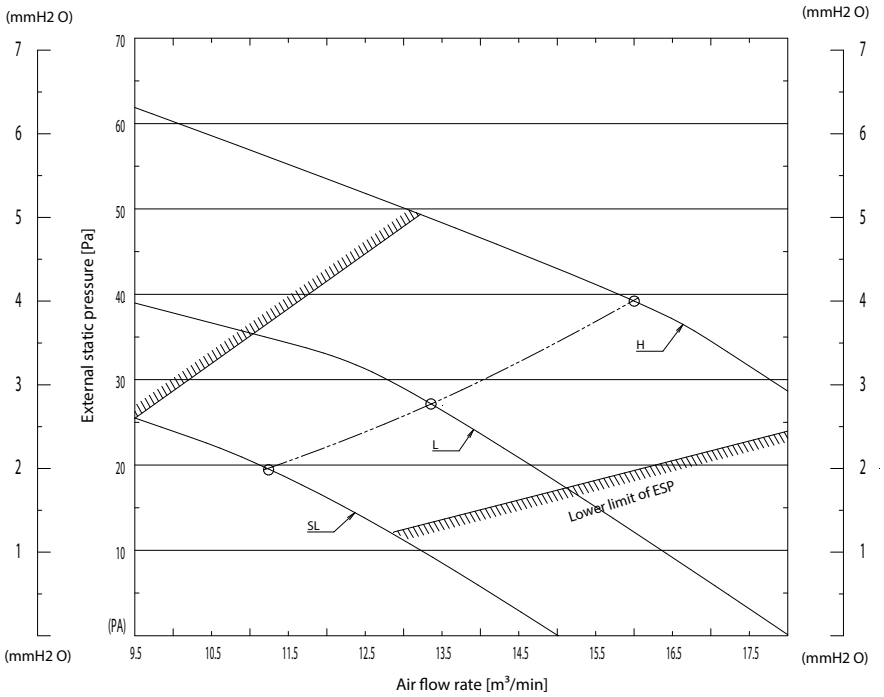
VIEW ALL FDXM-F9 TECHNICAL DRAWINGS ON MY.DAIKIN.EU

FDXM25-35F9



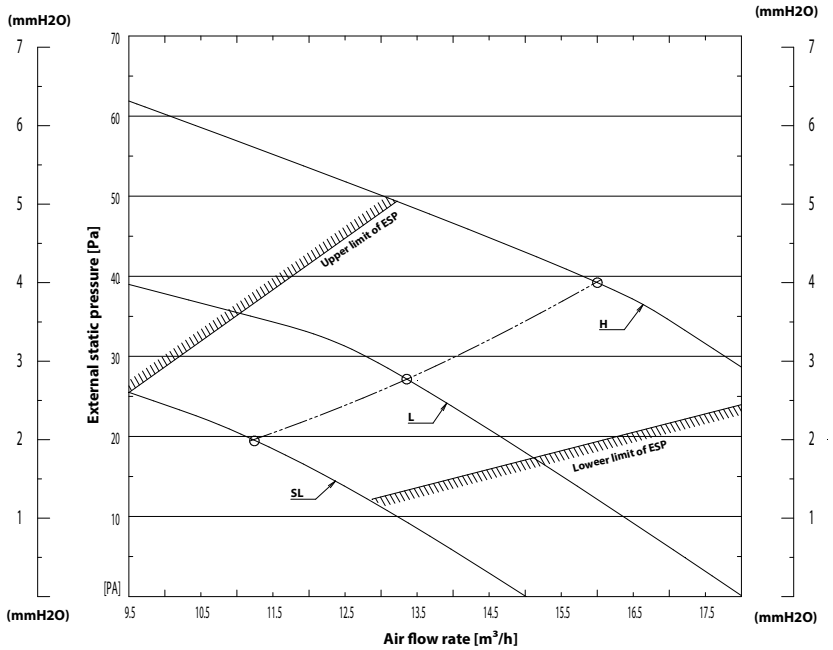
3D081327C

FDXM50F9



3D085960C

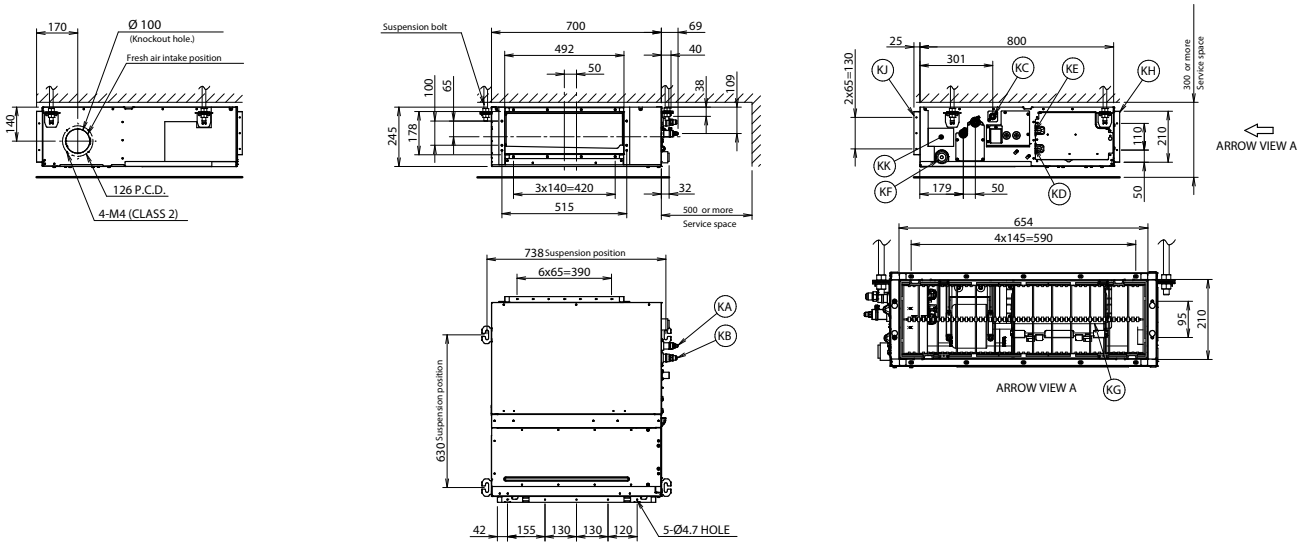
FDXM60F9



3D081329C

VIEW ALL FBA-A(9) TECHNICAL DRAWINGS ON MY.DAIKIN.EU

FBA35A9

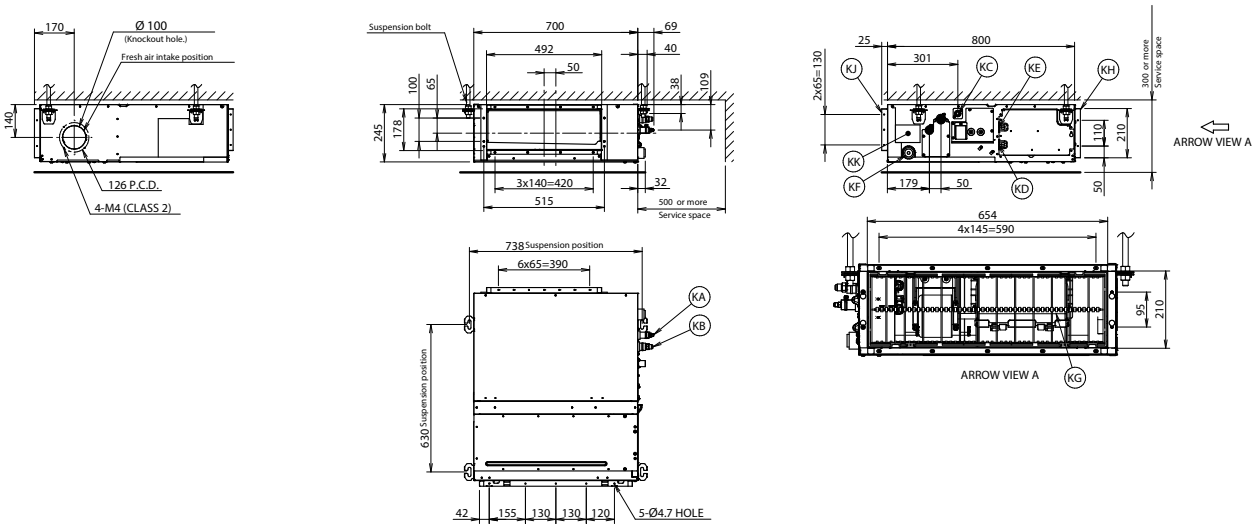


Item	Name	Description
KA	Liquid pipe connection port	Ø6.35 flared connection
KB	Gas pipe connection port	Ø9.52 flared connection
KC	Drain pipe connection	VP20 (OD Ø26, ID Ø20)
KD	Wiring connection	/
KE	Power supply connection	/
KF	Drain outlet	VP20 (OD Ø26, ID Ø20)
KG	Air filter	/
KH	Air suction side	/
KJ	Air discharge side	/
KK	Nameplate	/

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

3D094988B

FBA50A9

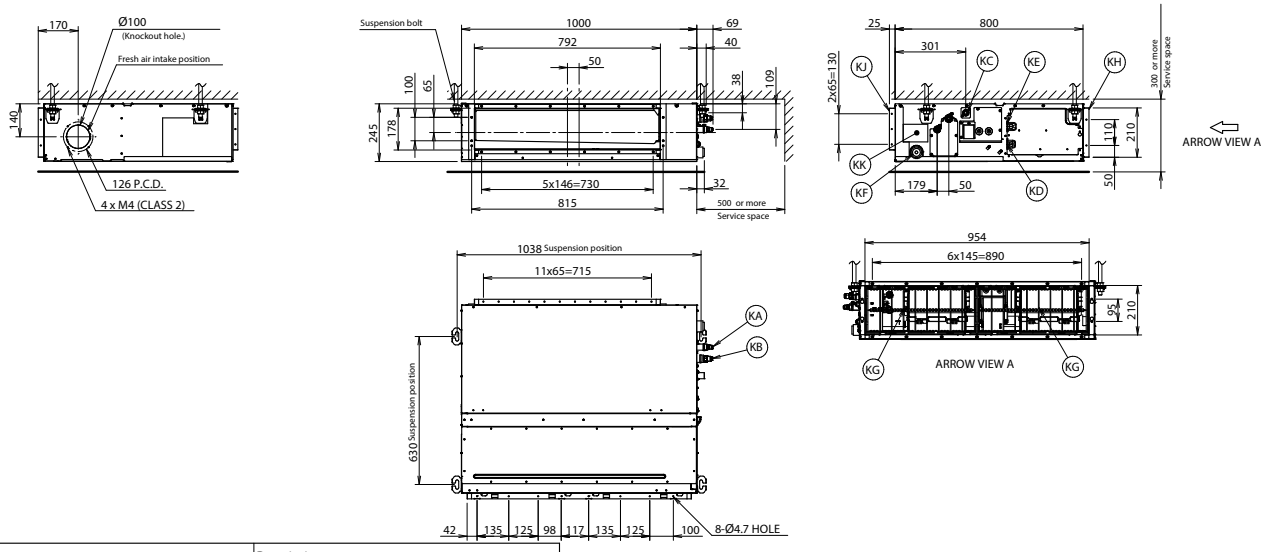


Item	Name	Description
KA	Liquid pipe connection port	Ø6.35 flared connection
KB	Gas pipe connection port	Ø12.70 flared connection
KC	Drain pipe connection	VP20 (OD Ø26, ID Ø20)
KD	Wiring connection	/
KE	Power supply connection	/
KF	Drain outlet	VP20 (OD Ø26, ID Ø20)
KG	Air filter	/
KH	Air suction side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

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

3D094918B

FBA60A9

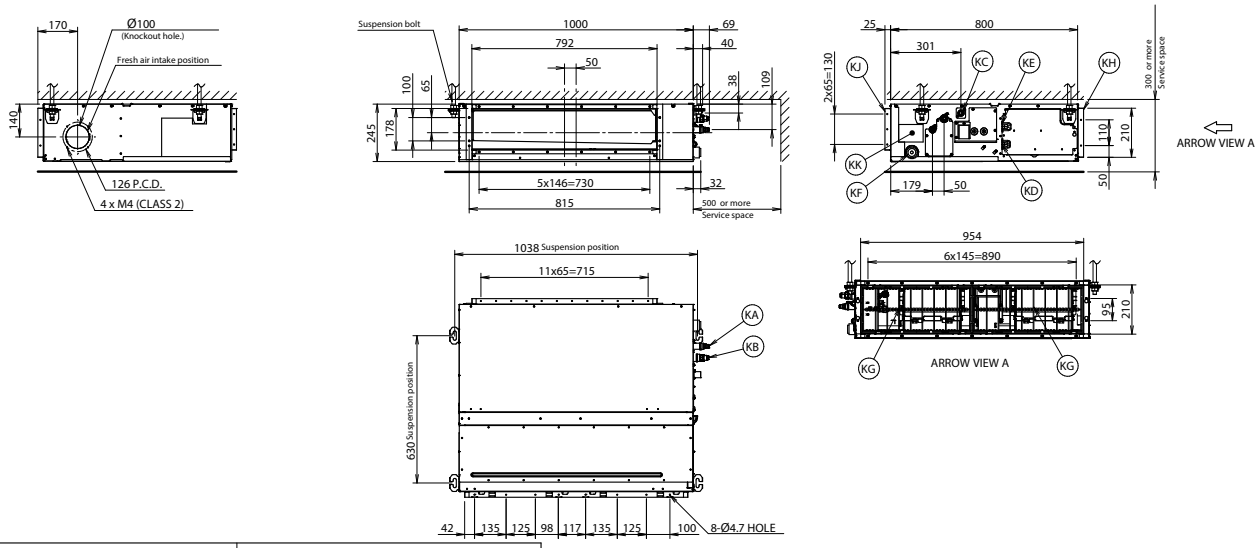


Item	Name	Description
KA	Liquid pipe connection port	Ø6.35 flared connection
KB	Gas pipe connection port	Ø12.70 flared connection
KC	Drain pipe connection	VP20 (OD Ø26, ID Ø20)
KD	Wiring connection	/
KE	Power supply connection	/
KF	Drain outlet	VP20 (OD Ø26, ID Ø20)
KG	Air filter	/
KH	Air suction side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

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

3D094983B

FBA71A9



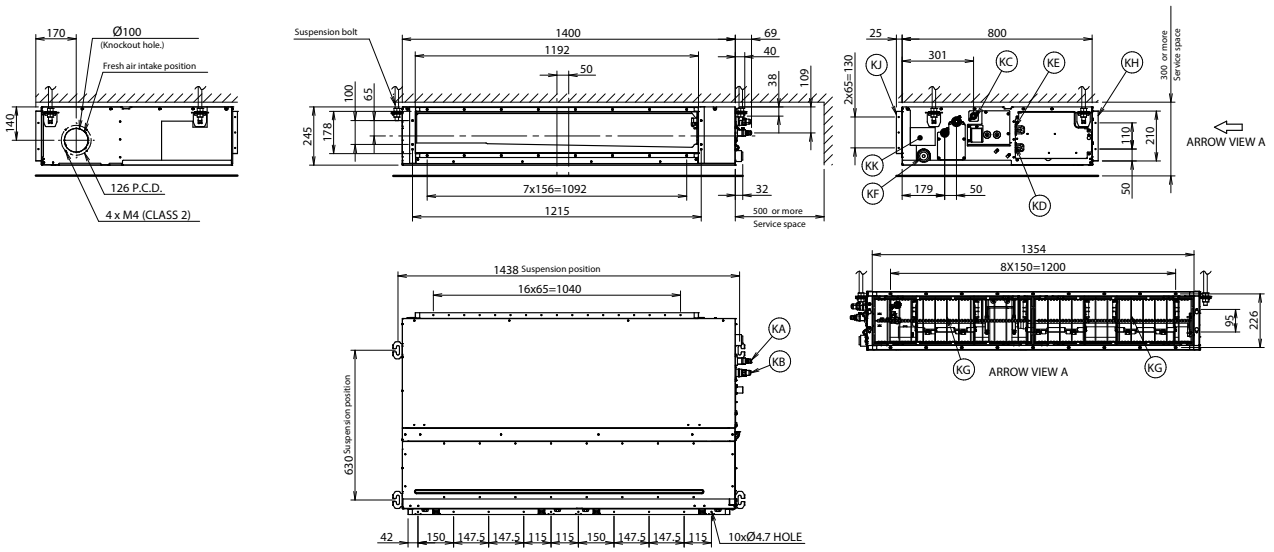
Item	Name	Description
KA	Liquid pipe connection port	Ø9.52 flared connection
KB	Gas pipe connection port	Ø15.90 flared connection
KC	Drain pipe connection	VP20 (OD Ø26, ID Ø20)
KD	Wiring connection	/
KE	Power supply connection	/
KF	Drain outlet	VP20 (OD Ø26, ID Ø20)
KG	Air filter	/
KH	Air suction side	/
KJ	Air discharge side	/
KK	Nameplate	/

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

3D094915B

VIEW ALL FBA-A(9) TECHNICAL DRAWINGS ON MY.DAIKIN.EU

FBA100-140A

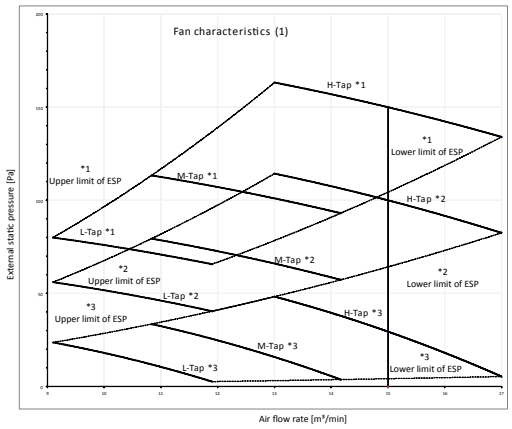


Item	Name	Description
KA	Liquid pipe connection port	Ø9.52 flared connection
KB	Gas pipe connection port	Ø15.90 flared connection
KC	Drain pipe connection	VP20 (OD Ø26, ID Ø20)
KD	Wiring connection	/
KE	Power supply connection	/
KF	Drain outlet	VP20 (OD Ø26, ID Ø20)
KG	Air filter	/
KH	Air suction side	/
KJ	Air discharge side	/
KK	Nameplate	/

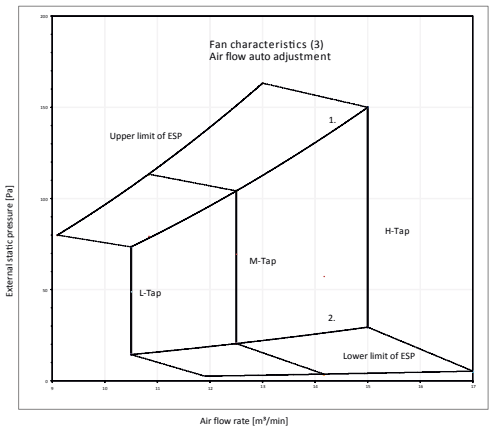
Notes
1. When installing optional accessories, refer to their respective documentation.
2. The ceiling depth varies according to the documentation of the specific system.

3D094914B

FBA35-50A9

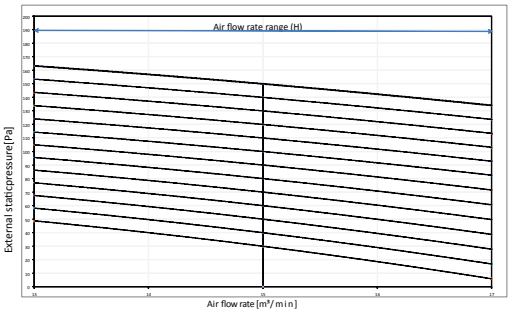


Mark		Lower limit
*1	MAX	100
*2		150
*3	STD	80



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

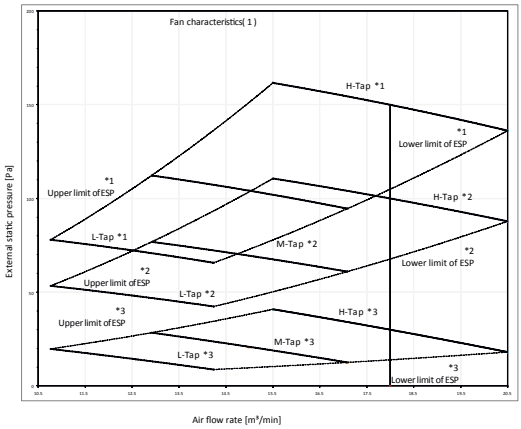
Fan characteristics (2)
Field setting with remote control



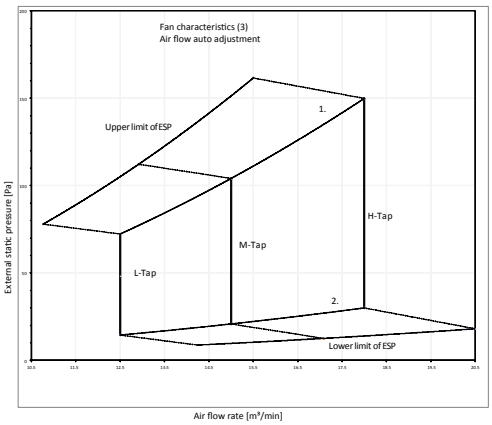
Notes:
1. The fan characteristics shown are in "fan only" mode.
2. ESP: External static pressure.

3D095521B

FBA60-71A9

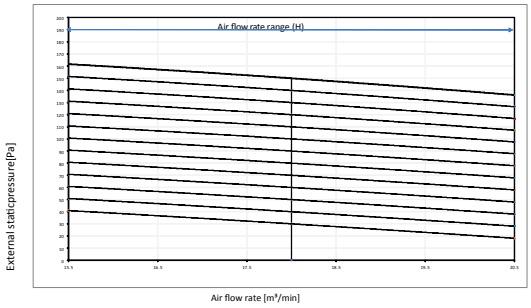


Mark		ESP [Pa]
*1	MAX	150
*2		100
*3	STD	50



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

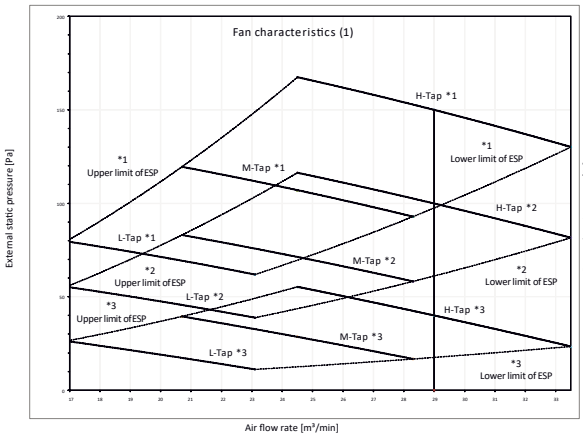
Fan characteristics(2)
Field setting with remote control



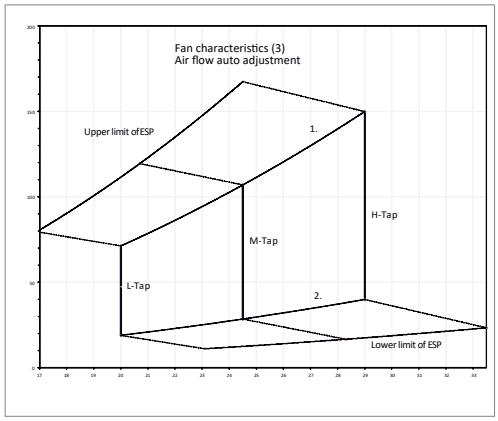
Notes:
1. Fan characteristics as shown are in "fan only" mode.
2. ESP: External static pressure.

3D095524B

FBA100A

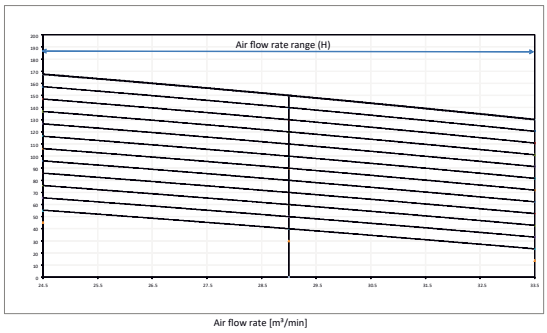


Mark		ESP [Pa]
*1	MAX	150
*2		100
*3	STD	40



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

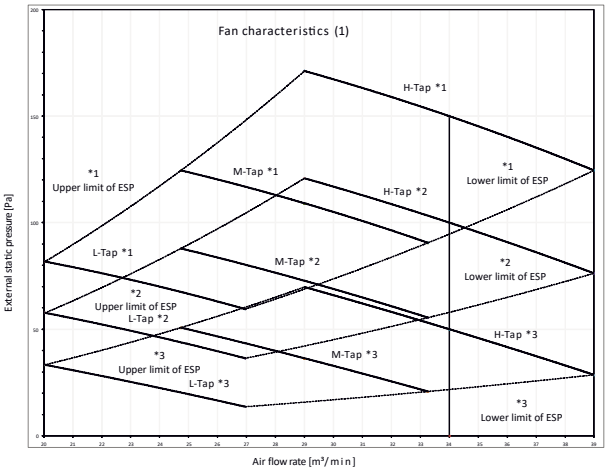


Notes:
1. Fan characteristics as shown are in "fan only" mode.
2. ESP: External static pressure.

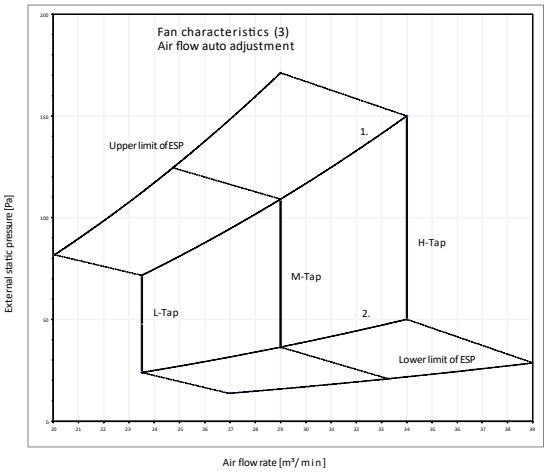
3D095526B

VIEW ALL FBA-A(9) TECHNICAL DRAWINGS ON MY.DAIKIN.EU

FBA125-140A

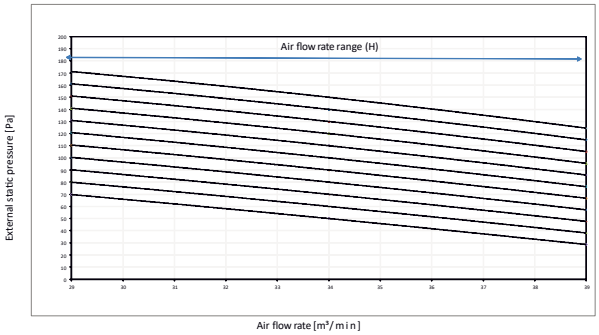


Mark	ESP [Pa]	
*1	MAX	150
*2		100
*3	STD	50



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

Fan characteristics (2)
Field setting with remote control

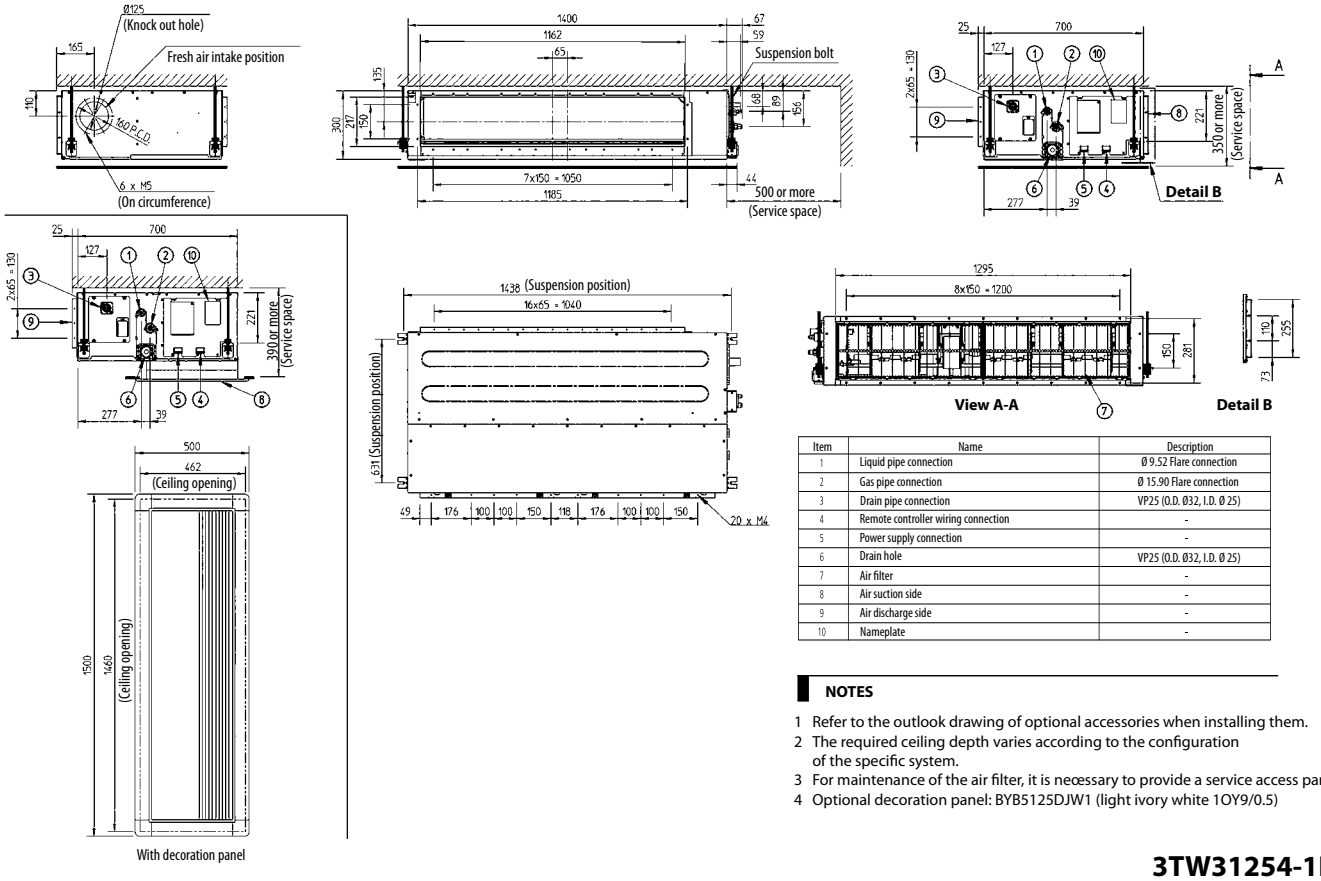


Notes:

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

3D095527B

FDA125A



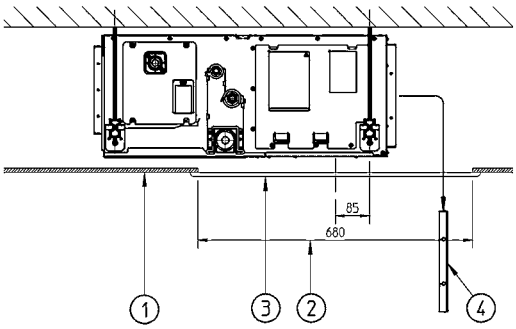
Item	Name	Description
1	Liquid pipe connection	Ø 9.52 Flare connection
2	Gas pipe connection	Ø 15.90 Flare connection
3	Drain pipe connection	VP25 (O.D. Ø32, I.D. Ø 25)
4	Remote controller wiring connection	-
5	Power supply connection	-
6	Drain hole	VP25 (O.D. Ø32, I.D. Ø 25)
7	Air filter	-
8	Air suction side	-
9	Air discharge side	-
10	Nameplate	-

NOTES

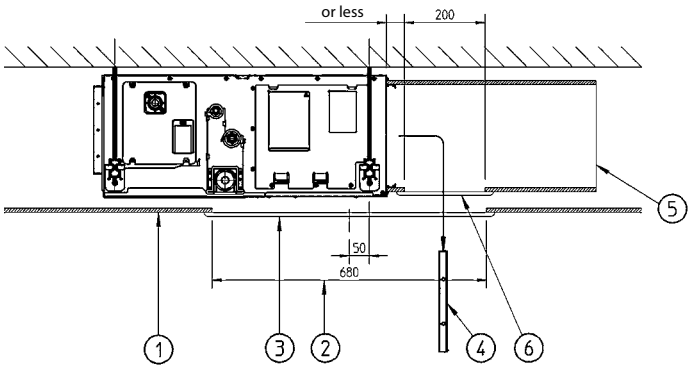
1 Refer to the outlook drawing of optional accessories when installing them.
2 The required ceiling depth varies according to the configuration of the specific system.
3 For maintenance of the air filter, it is necessary to provide a service access panel.
4 Optional decoration panel: BYB5125DJW1 (light ivory white 1OY9/0.5)

3TW31254-1B

FDA125A

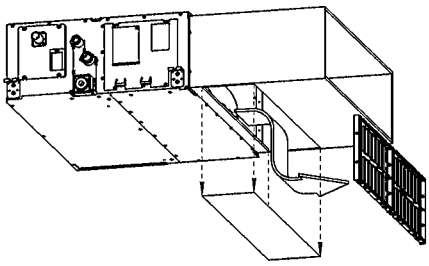


Installation without air inlet duct



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

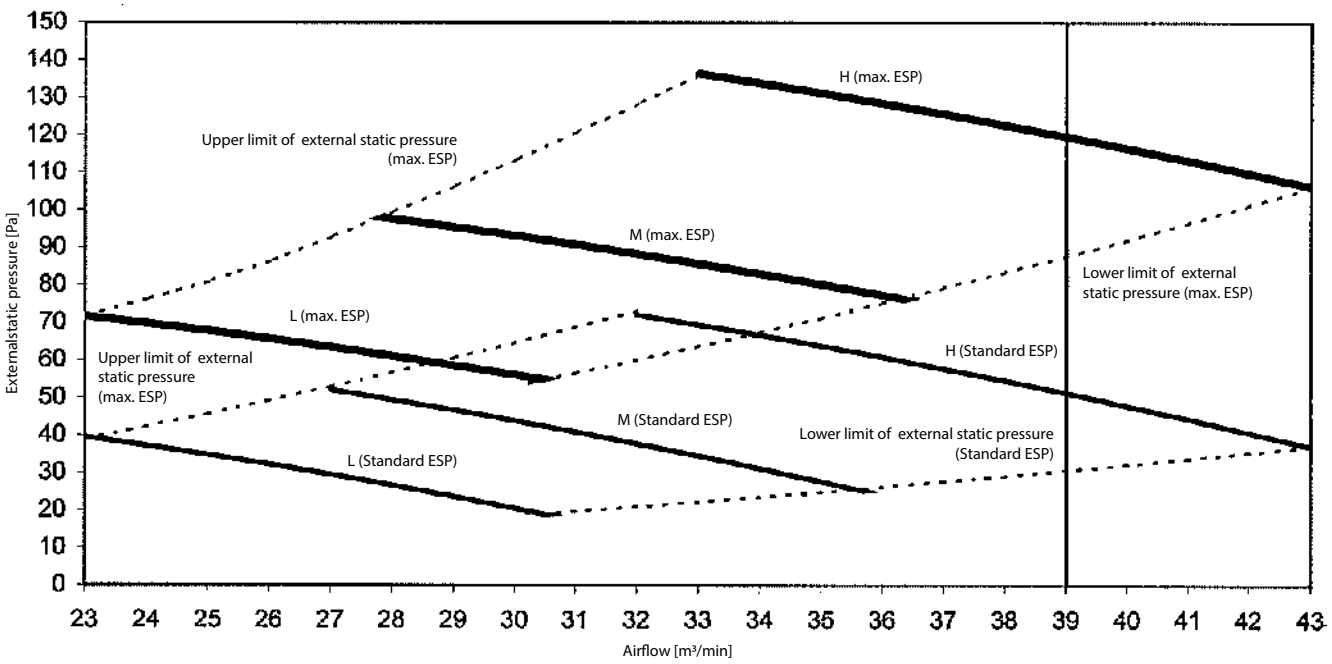
1 When installing the unit with rear suction, a service opening is necessary for the maintenance of the air filters.
2 When installing the unit with a suction duct, a service opening must be provided in the duct.

3TW31184-4

VIEW ALL FDA-A TECHNICAL DRAWINGS ON MY.DAIKIN.EU

FDA125A

Fan characteristics (1)

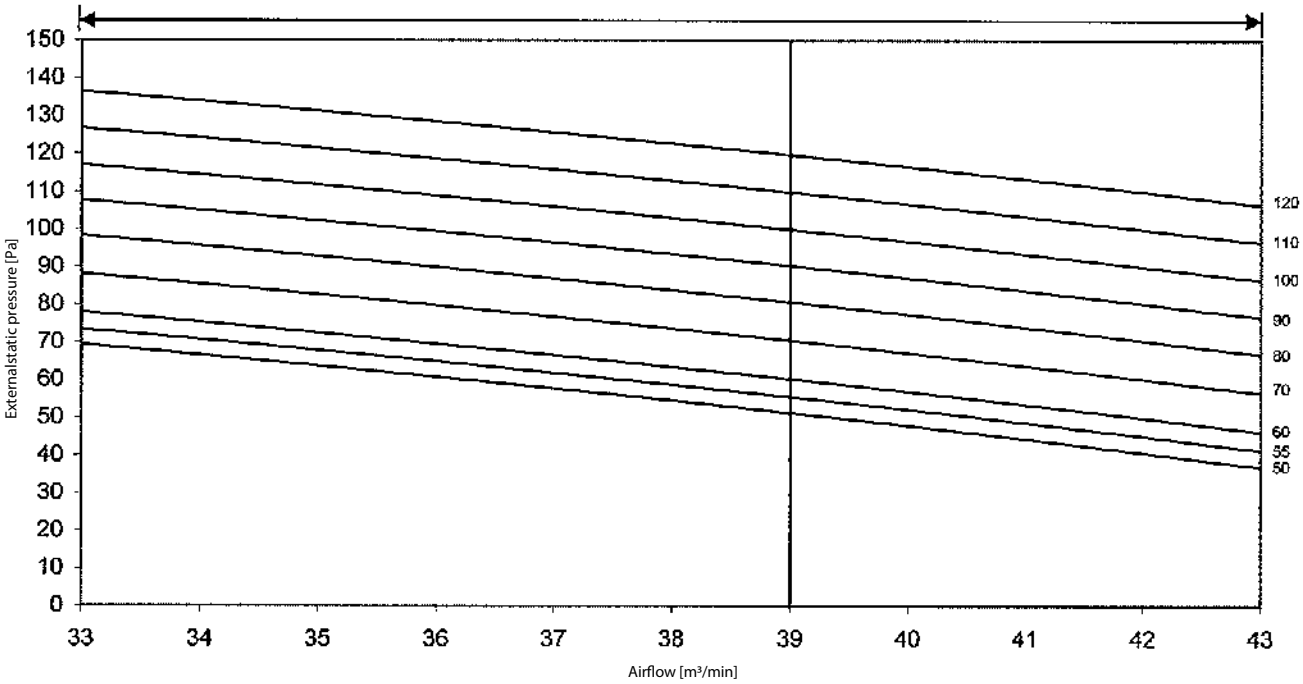


NOTES
1. The fan characteristics shown are in "fan only" mode.
2. ESP: External Static Pressure

3TW31268-1

FDA125A

Fan characteristics (2)
(Field setting with remote controller)
range of available air flow rate (H)

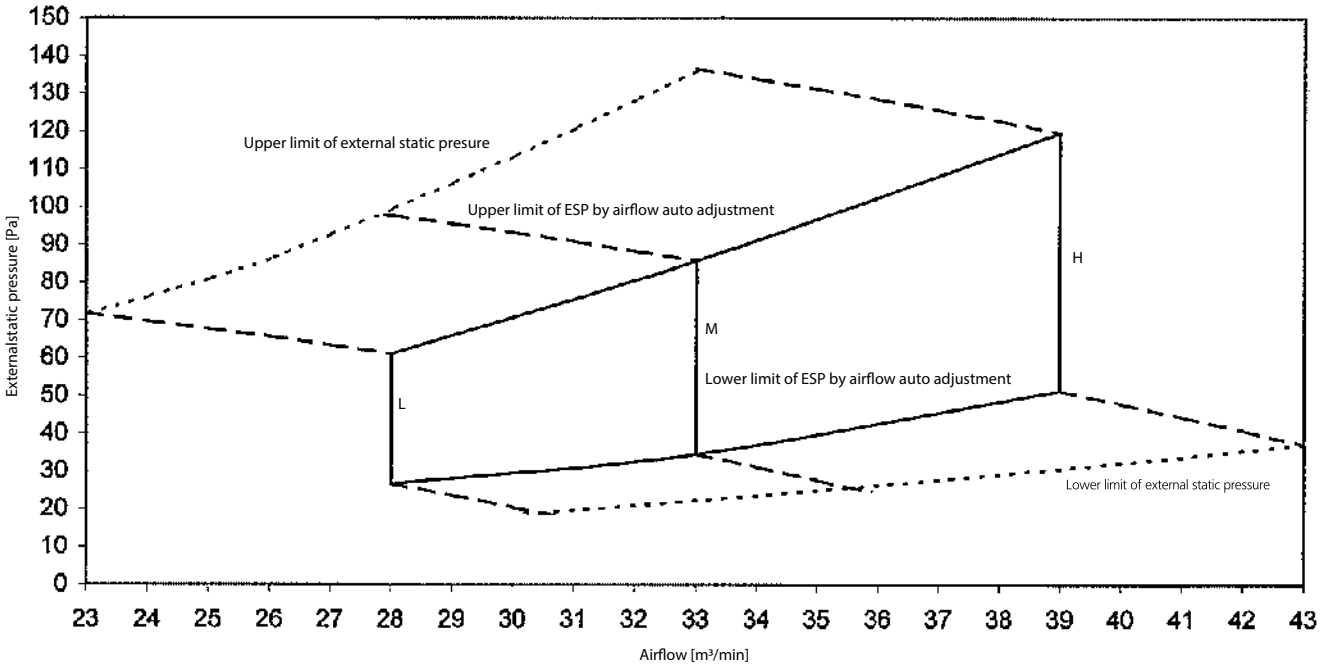


NOTES
1. The fan characteristics shown are in "fan only" mode.
2. ESP: External Static Pressure

3TW31268-1

FDA125A

Fan characteristics (3)
(air flow auto adjustment)

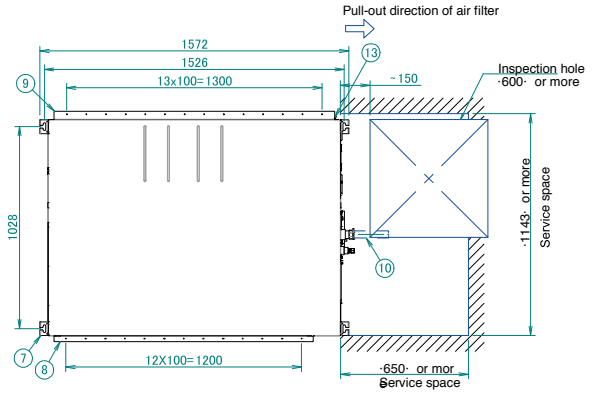


NOTES

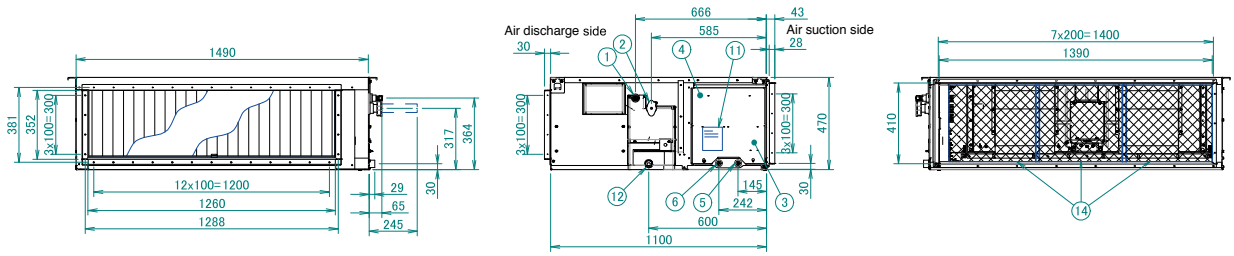
1. The fan characteristics shown are in "fan only" mode.
2. ESP: External Static Pressure

3TW31268-1

FDA200-250A



Number	Part name	Description
1	Liquid pipe connection port	Flare connection
2	Gas pipe connection port	Brazed connection
3	Grounding terminal	Located inside of the unit
4	Control box	
5	Power supply wiring intake	
6	Control wiring intake	
7	Hook	M10
8	Air outlet flange	
9	Air inlet flange with air filter	
10	Accessory pipe	Standard accessory
11	Manufacturer label	
12	Drain pipe connection	·1 inch· BSP (female thread)
13	Maintenance cover	Air filter
14	Air filter	



Piping connections Ø		
Indoor unit	Gas pipe	Liquid pipe
FDA200AXVEB	Φ19. 1 Accessory pipe	Φ9. 5
FDA250AXVEB	Φ22. 2 Accessory pipe	Φ9. 5

Notes

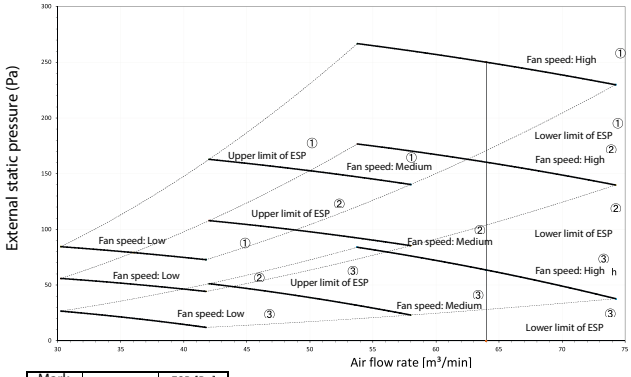
1.The unit nameplate is located on the control box cover.

2D123907

VIEW ALL FDA-A TECHNICAL DRAWINGS ON MY.DAIKIN.EU

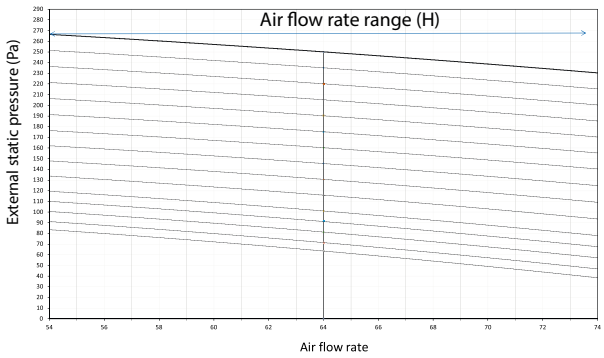
FDA200A

Fan characteristics (1)



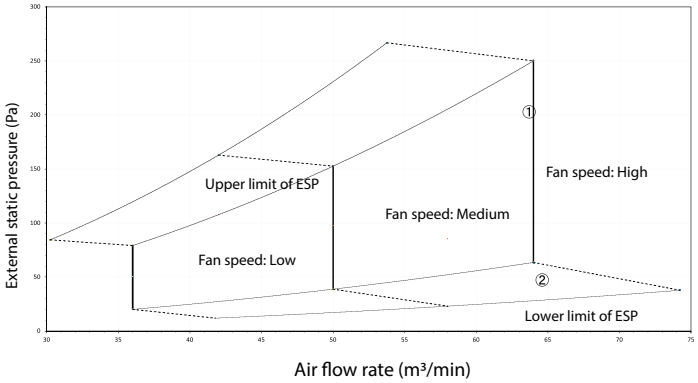
Mark		ESP [Pa]
①	Maximum	
②	-	160
③	Standard	62

Fan characteristics (2)
Field setting with remote control



Fan characteristics (3)

Air flow auto adjustment



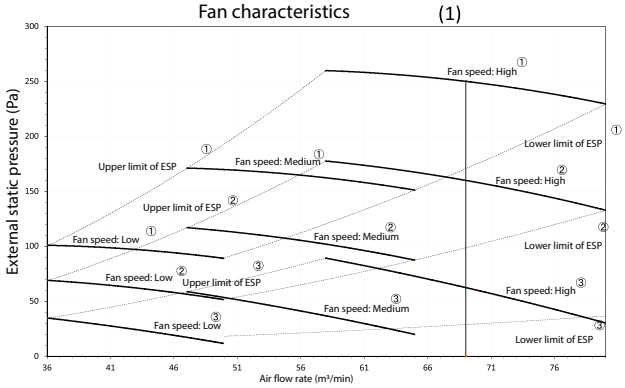
① Upper limit of ESP by air flow auto adjustment

② Lower limit of ESP by air flow auto adjustment

4D124460

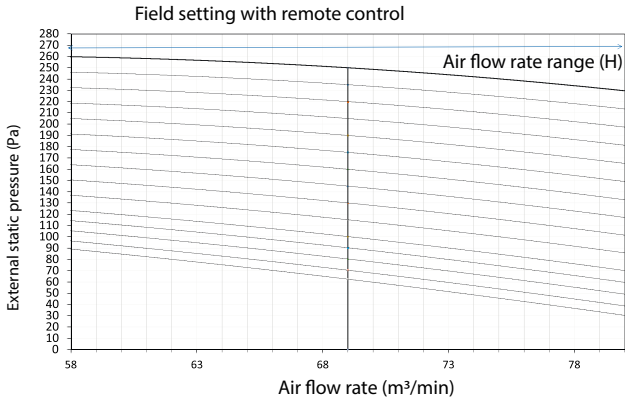
FDA250A

Fan characteristics (1)



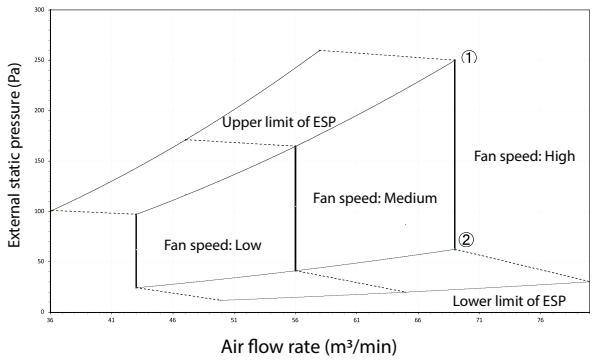
Mark		ESP [Pa]
①	Maximum	250
②	-	160
③	Standard	62

Fan characteristics (2)
Field setting with remote control



Fan characteristics (3)

Air flow auto adjustment

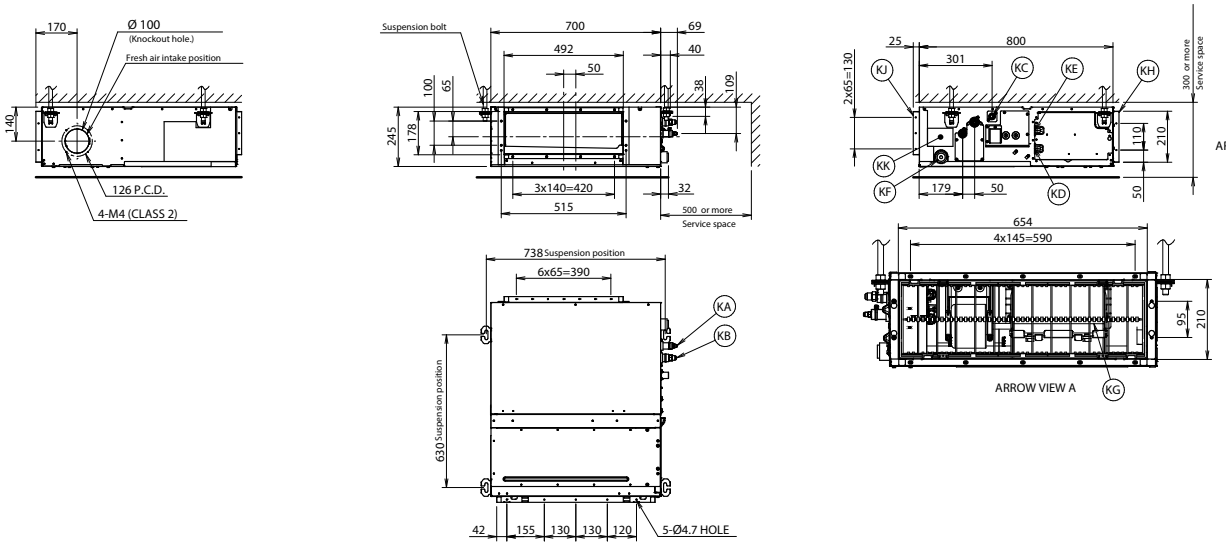


① Upper limit of ESP by air flow auto adjustment

② Lower limit of ESP by air flow auto adjustment

4D124478

ADEA35A9

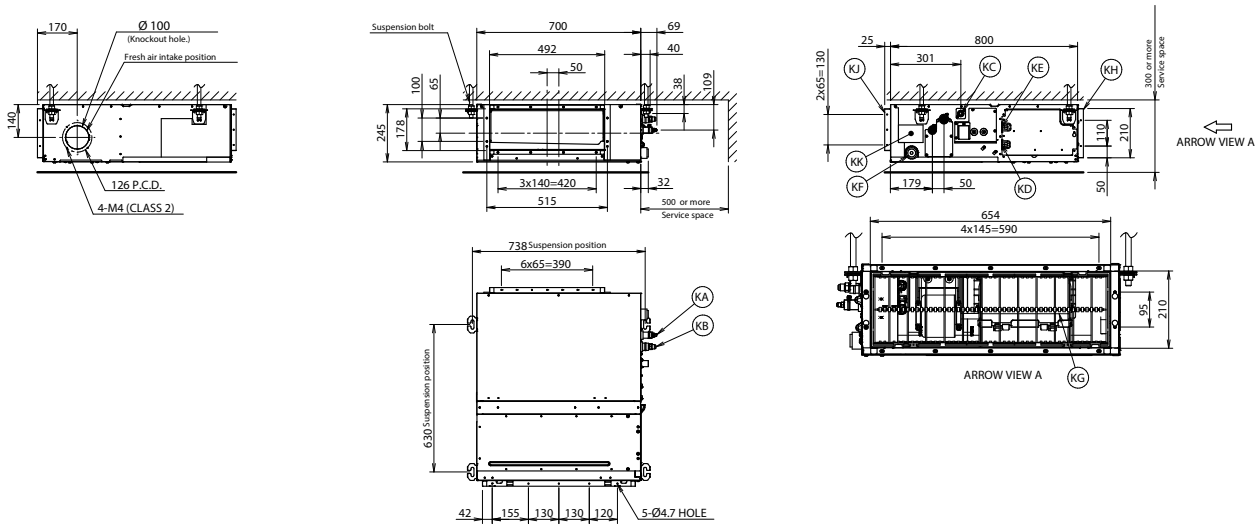


Item	Name	Description
KA	Liquid pipe connection port	Ø6.35 flared connection
KB	Gas pipe connection port	Ø9.52 flared connection
KC	Drain pipe connection	VP20 (OD Ø26, ID Ø20)
KD	Wiring connection	/
KE	Power supply connection	/
KF	Drain outlet	VP20 (OD Ø26, ID Ø20)
KG	Air filter	/
KH	Air suction side	/
KJ	Air discharge side	/
KK	Nameplate	/

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

9D094988D

ADEA50A9



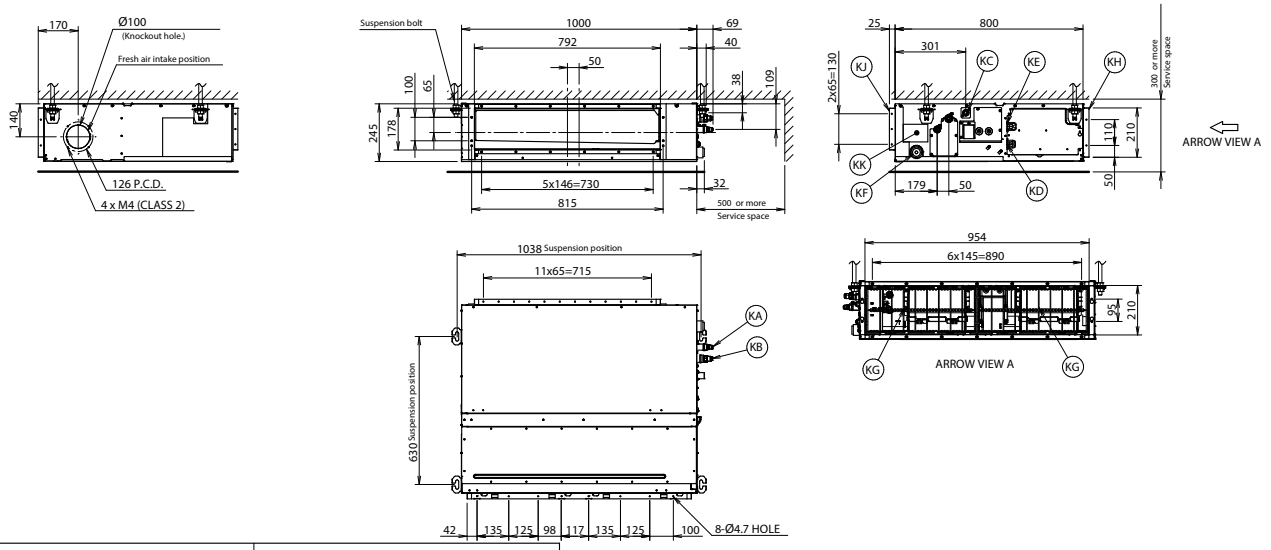
Item	Name	Description
KA	Liquid pipe connection port	Ø6.35 flared connection
KB	Gas pipe connection port	Ø12.70 flared connection
KC	Drain pipe connection	VP20 (OD Ø26, ID Ø20)
KD	Wiring connection	/
KE	Power supply connection	/
KF	Drain outlet	VP20 (OD Ø26, ID Ø20)
KG	Air filter	/
KH	Air suction side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

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

9D094918B

VIEW ALL ADEA-A TECHNICAL DRAWINGS ON MY.DAIKIN.EU

ADEA60A9

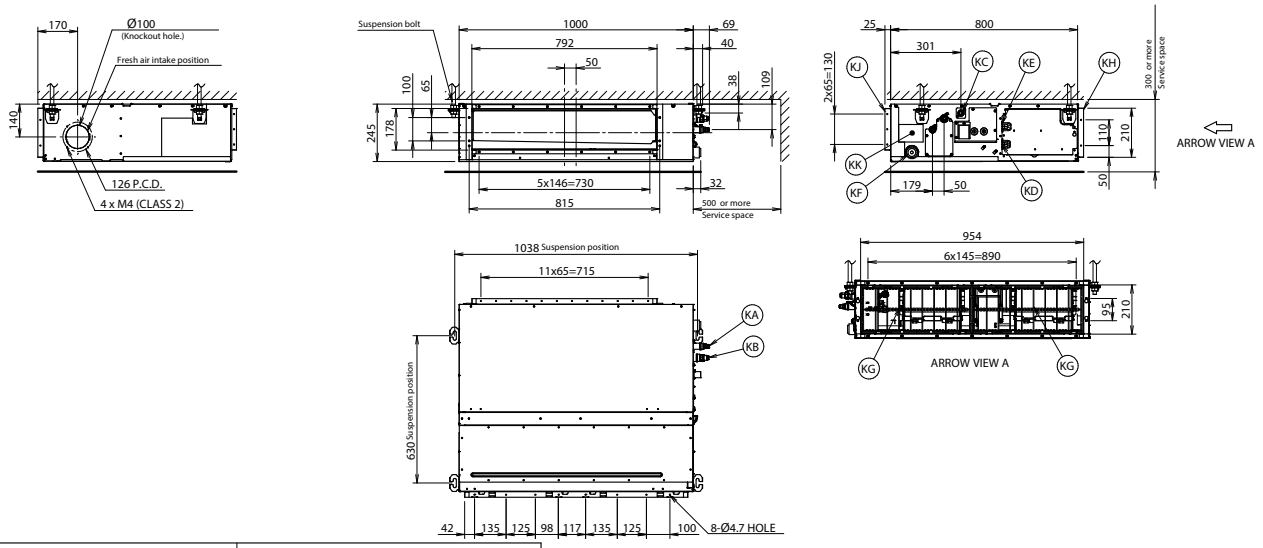


Item	Name	Description
KA	Liquid pipe connection port	Ø6.35 flared connection
KB	Gas pipe connection port	Ø12.70 flared connection
KC	Drain pipe connection	VP20 (OD Ø26, ID Ø20)
KD	Wiring connection	/
KE	Power supply connection	/
KF	Drain outlet	VP20 (OD Ø26, ID Ø20)
KG	Air filter	/
KH	Air suction side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

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

3D094983B

ADEA71A9

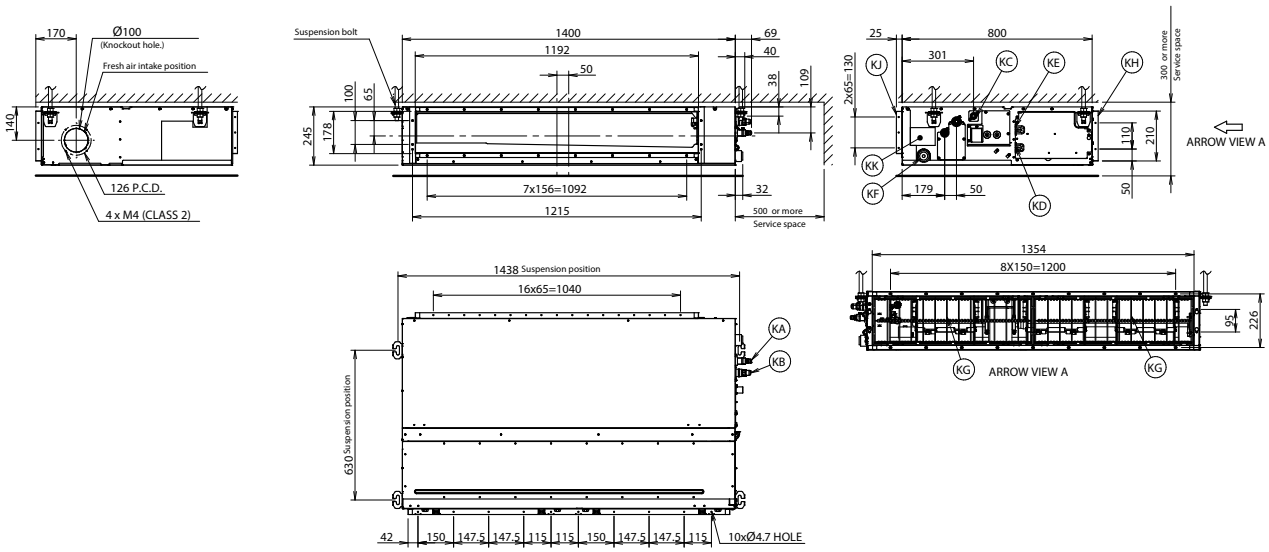


Item	Name	Description
KA	Liquid pipe connection port	Ø9.52 flared connection
KB	Gas pipe connection port	Ø15.90 flared connection
KC	Drain pipe connection	VP20 (OD Ø26, ID Ø20)
KD	Wiring connection	/
KE	Power supply connection	/
KF	Drain outlet	VP20 (OD Ø26, ID Ø20)
KG	Air filter	/
KH	Air suction side	/
KJ	Air discharge side	/
KK	Nameplate	/

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

3D094915B

ADEA100-125A

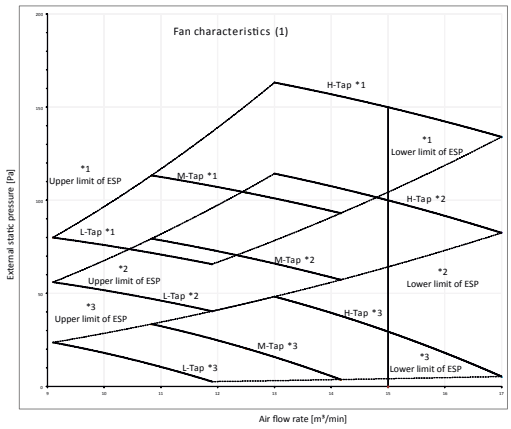


Item	Name	Description
KA	Liquid pipe connection port	Ø9.52 flared connection
KB	Gas pipe connection port	Ø15.90 flared connection
KC	Drain pipe connection	VP20 (OD Ø26, ID Ø20)
KD	Wiring connection	/
KE	Power supply connection	/
KF	Drain outlet	VP20 (OD Ø26, ID Ø20)
KG	Air filter	/
KH	Air suction side	/
KJ	Air discharge side	/
KK	Nameplate	/

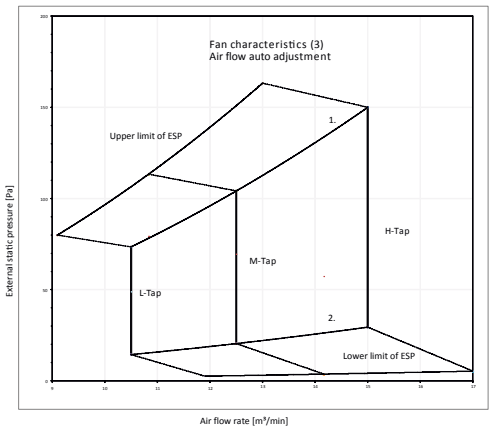
Notes
1. When installing optional accessories, refer to their respective documentation.
2. The ceiling depth varies according to the documentation of the specific system.

9D094914B

ADEA35-50A9

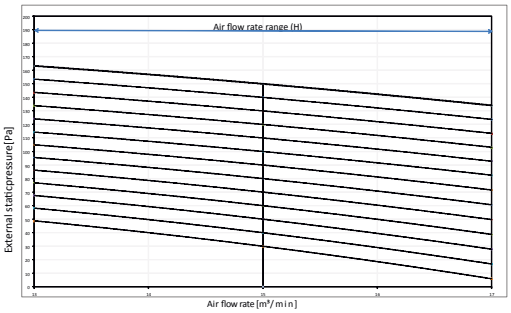


Mark		Lower limit
*1	MAX	100
*2		150
*3	STD	80



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

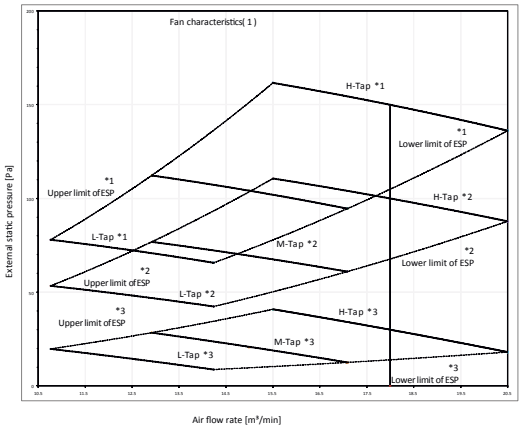


Notes:
1. The fan characteristics shown are in "fan only" mode.
2. ESP: External static pressure.

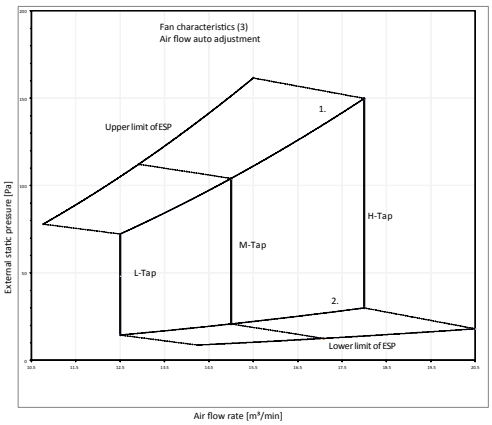
3D095521B

VIEW ALL ADEA-A TECHNICAL DRAWINGS ON MY.DAIKIN.EU

ADEA60-71A9

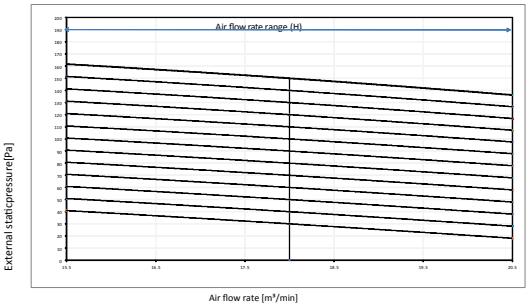


Mark		ESP [Pa]
*1	MAX	150
*2		100
*3	STD	50



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

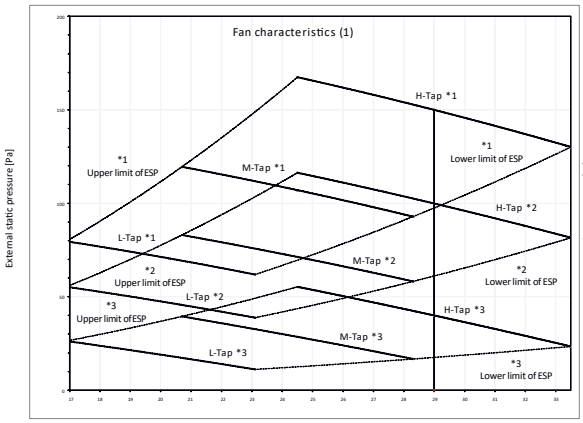
Fan characteristics(2)
Field setting with remote control



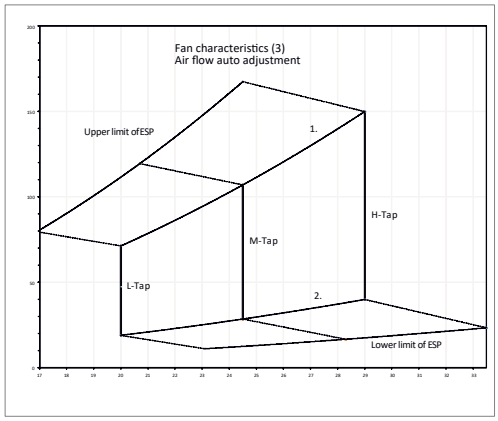
Notes:
1. Fan characteristics as shown are in "fan only" mode.
2. ESP: External static pressure.

3D095524B

ADEA100A

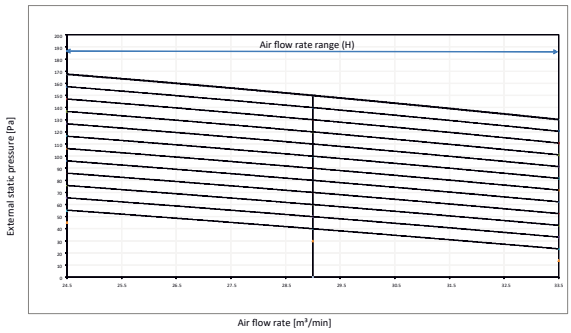


Mark		ESP [Pa]
*1	MAX	150
*2		100
*3	STD	40



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

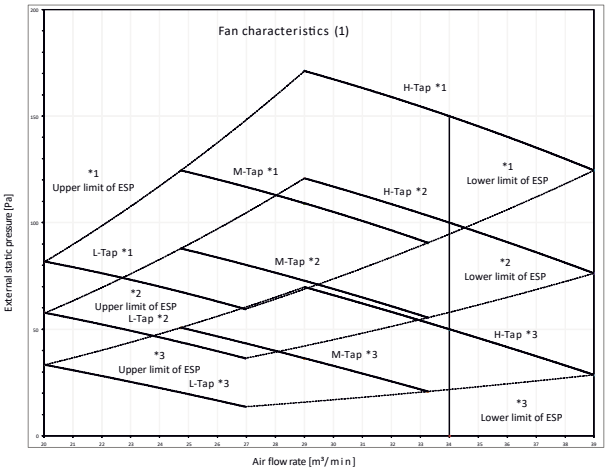
Fan characteristics (2)
Field setting with remote control



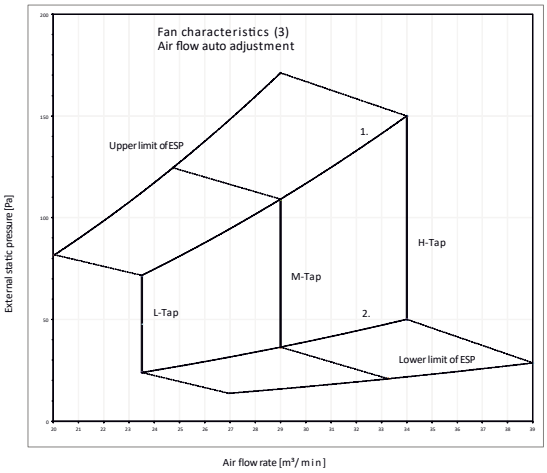
Notes:
1. Fan characteristics as shown are in "fan only" mode.
2. ESP: External static pressure.

3D095526B

ADEA125A

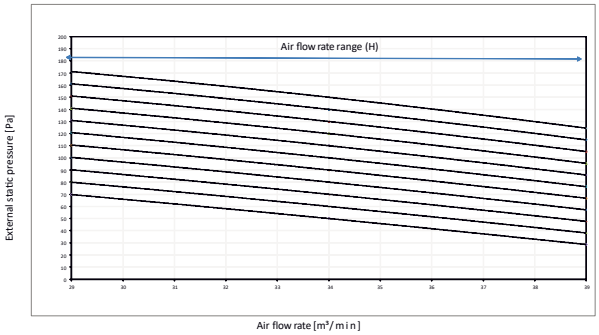


Mark	ESP [Pa]	
*1	MAX	150
*2		100
*3	STD	50



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

Fan characteristics (2)
Field setting with remote control



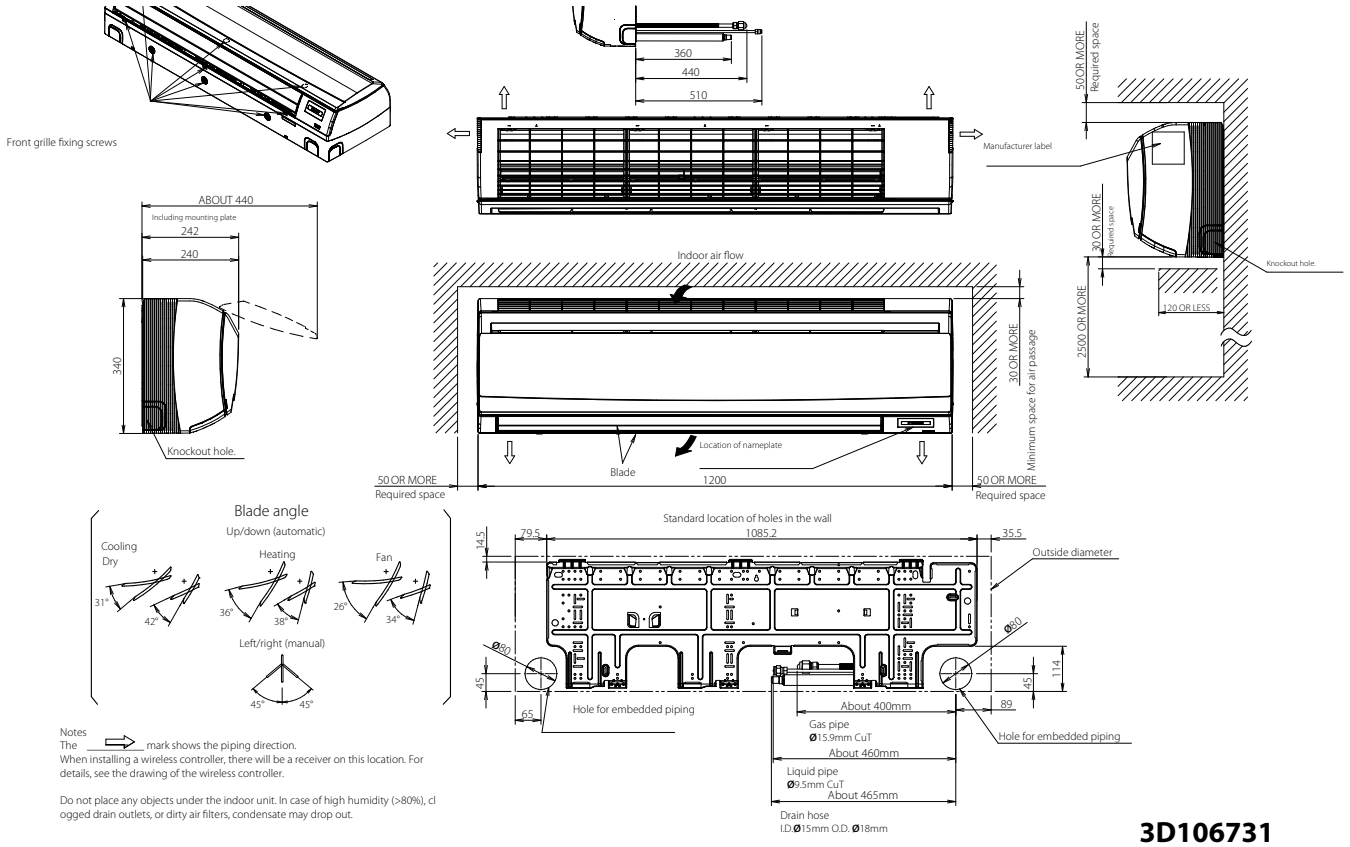
Notes:

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

3D095527B

VIEW ALL FAA-A TECHNICAL DRAWINGS ON MY.DAIKIN.EU

FAA71A

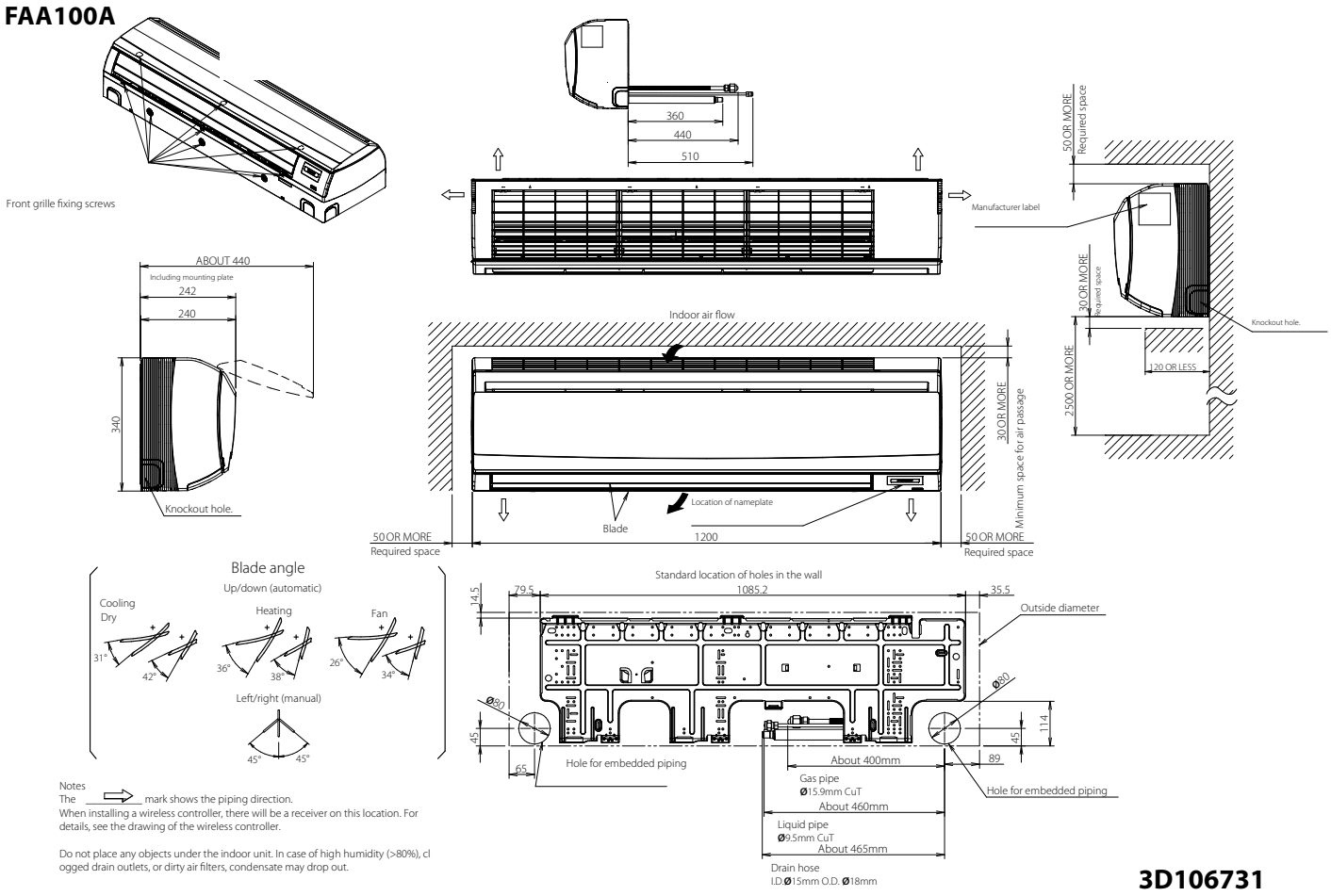


Notes
The ⇨ mark shows the piping direction.
When installing a wireless controller, there will be a receiver on this location. For details, see the drawing of the wireless controller.

Do not place any objects under the indoor unit. In case of high humidity (>80%), cl ogged drain outlets, or dirty air filters, condensate may drop out.

3D106731

FAA100A

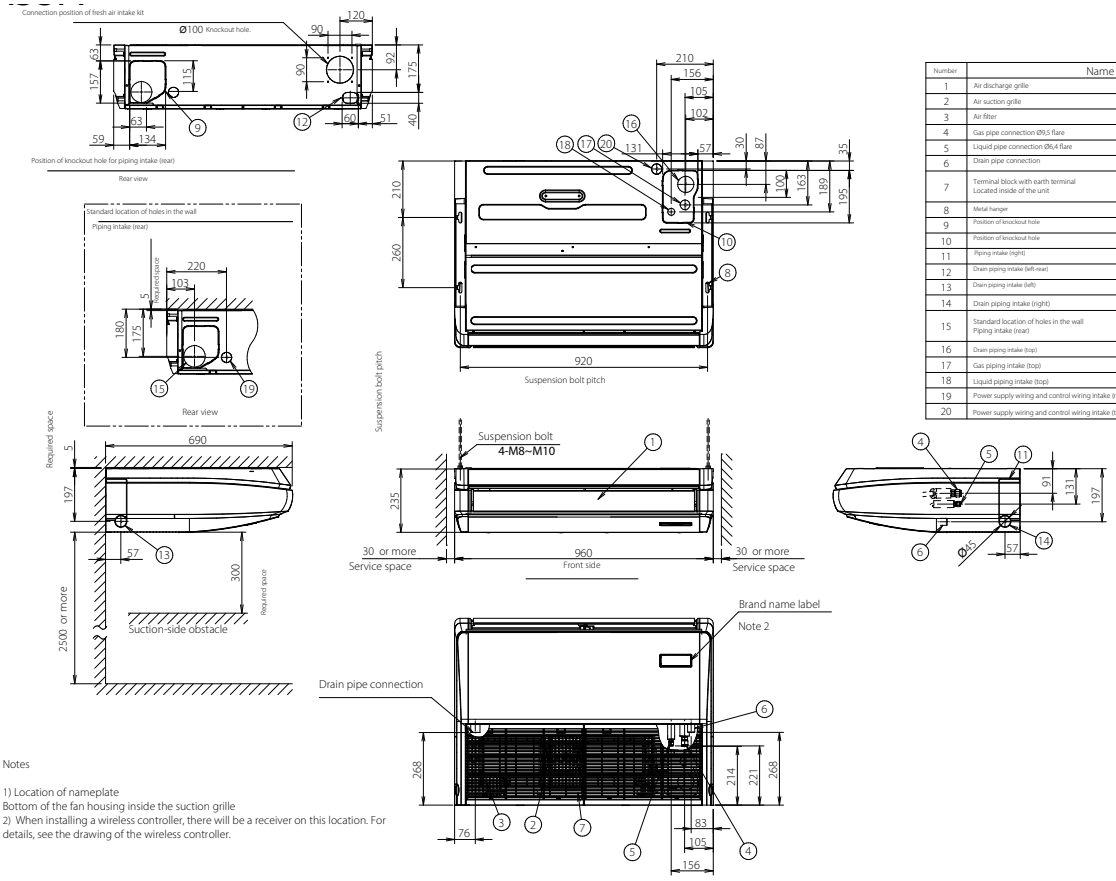


Notes
The ⇨ mark shows the piping direction.
When installing a wireless controller, there will be a receiver on this location. For details, see the drawing of the wireless controller.

Do not place any objects under the indoor unit. In case of high humidity (>80%), cl ogged drain outlets, or dirty air filters, condensate may drop out.

3D106731

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

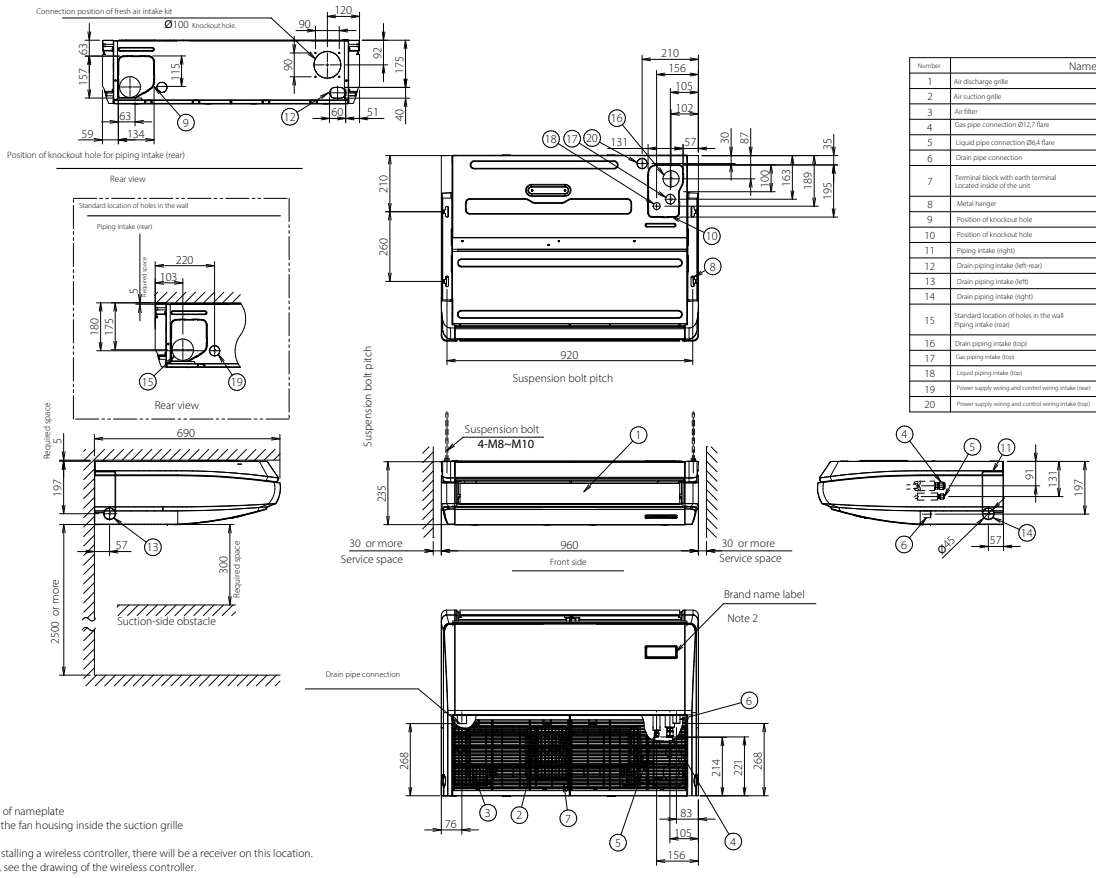
Notes

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

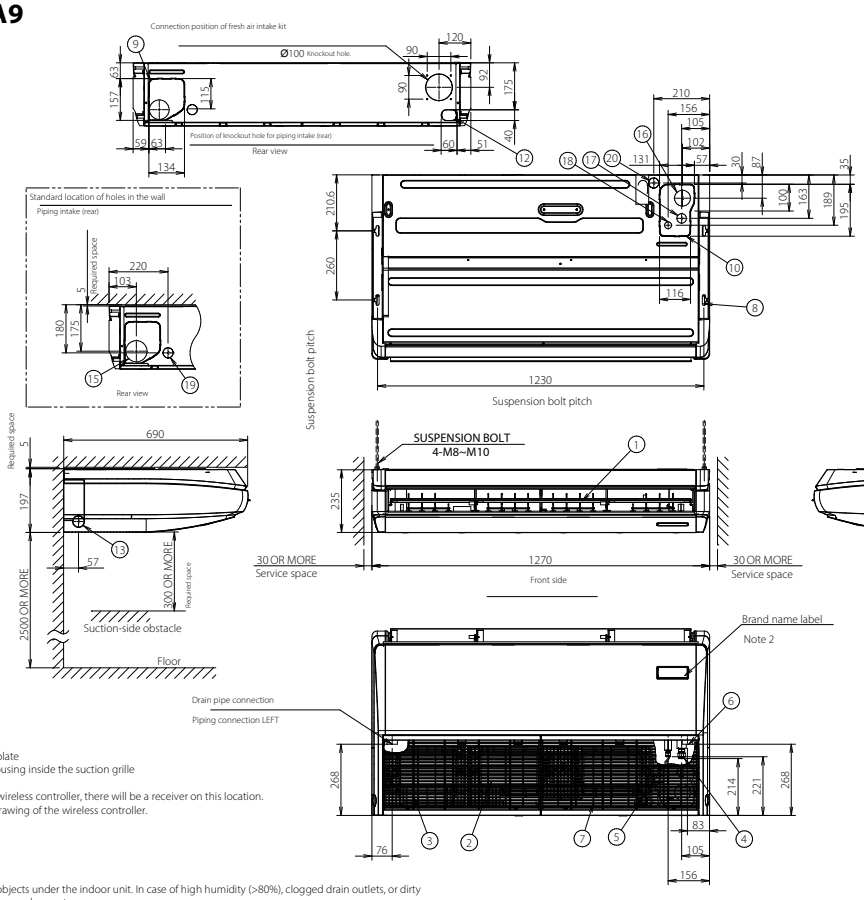
2) When installing a wireless controller, there will be a receiver on this location.
For details, see the drawing of the wireless controller.

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.

3D109224A

VIEW ALL FHA-A(9) TECHNICAL DRAWINGS ON MY.DAIKIN.EU

FHA60A9



Number	Name	Description
1	Air discharge grille	
2	Air suction grille	
3	Air filter	
4	Gas pipe	Ø 12,7 FLARE
5	Liquid pipe	Ø 6,4 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

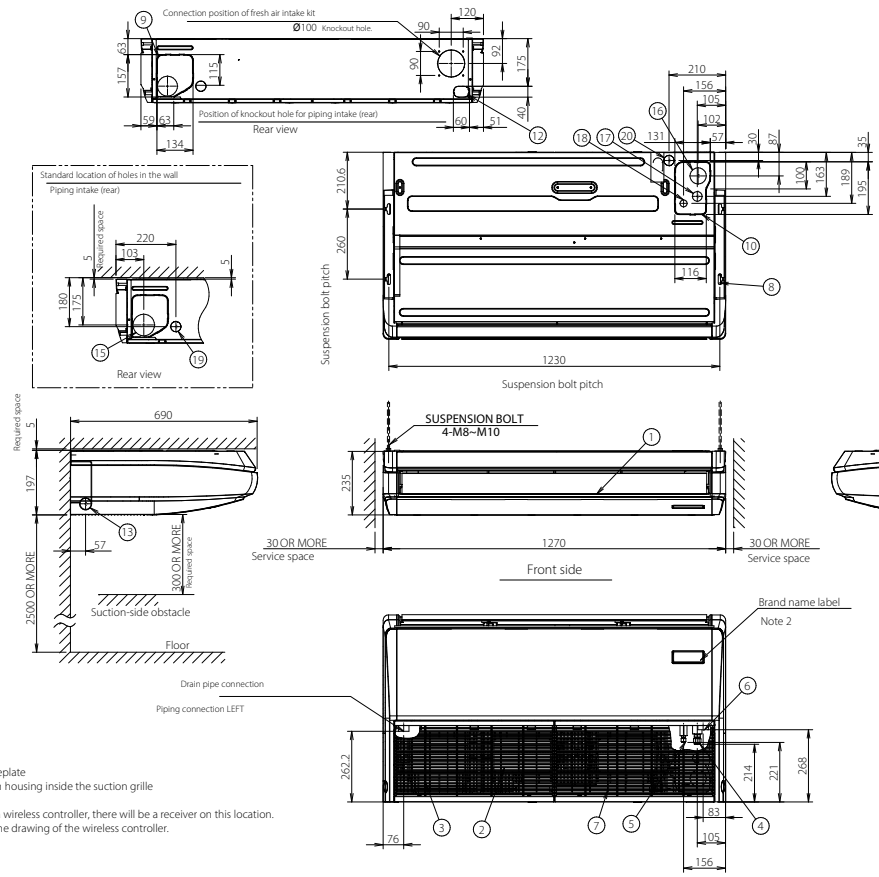
1) Location of nameplate
Bottom of the fan housing inside the suction grille

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

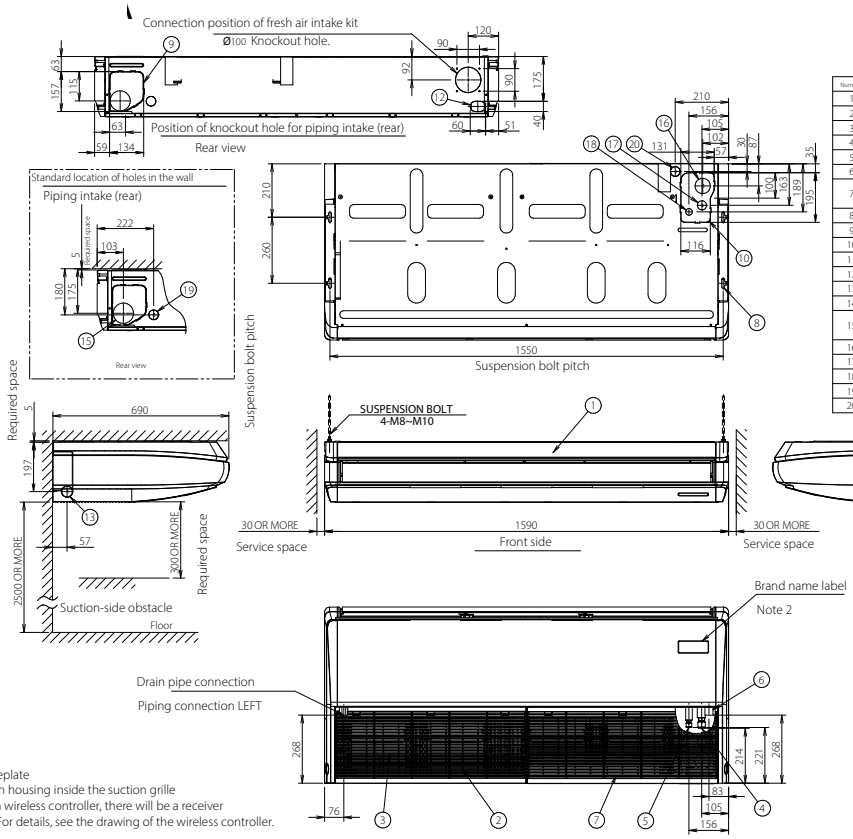
Notes
1) Location of nameplate
Bottom of the fan housing inside the suction grille

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.

3D109222

FHA100-140A



Number	Name	Description
1	Air discharge grille	
2	Air suction grille	
3	Air filter	
4	Gas pipe	Ø15, 9FLARE
5	Liquid pipe	Ø9, 5FLARE
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)	Knockout hole.
13	Drain piping intake (right)	Knockout hole.
14	Drain piping intake (left-rear)	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.

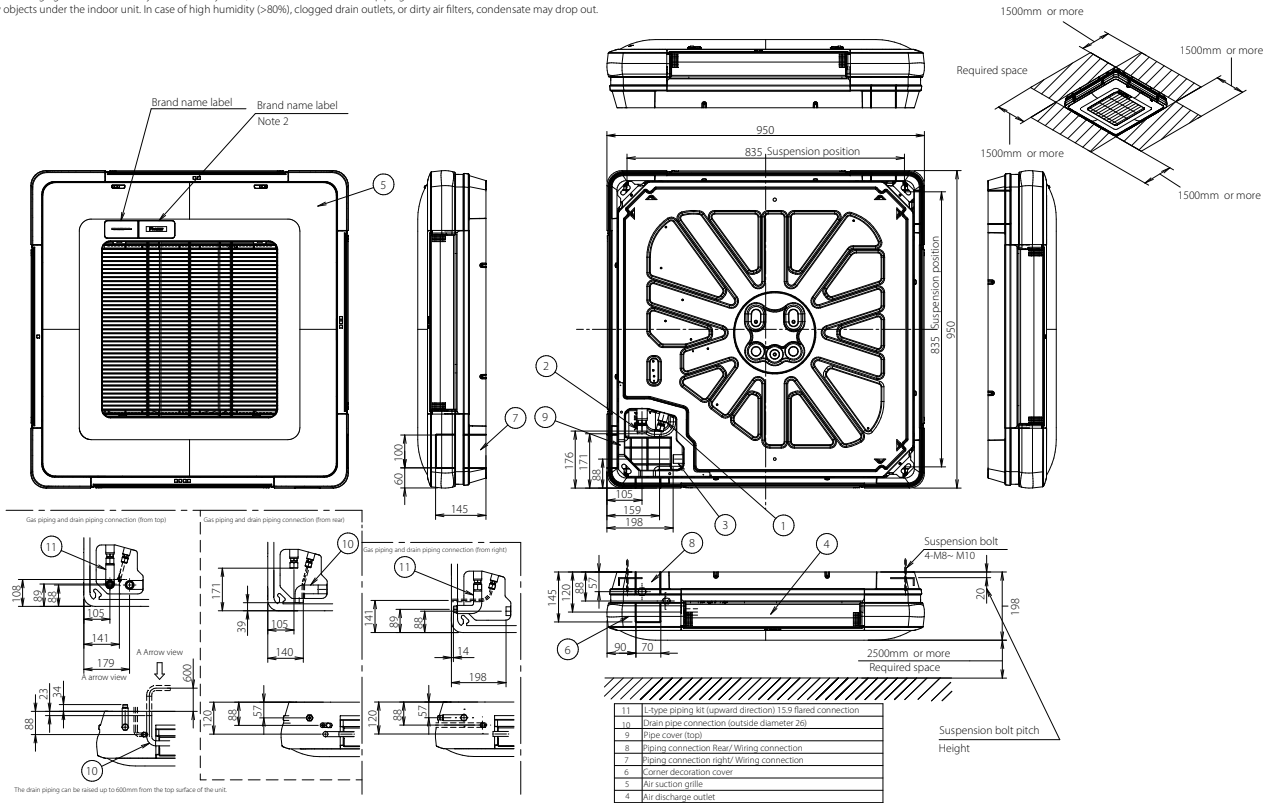
3) Do not place any objects under the indoor unit. In case of high humidity (>80%), clogged drain outlets, or dirty air filters, condensate may drop out.

3D106530A

FUA-A

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.

When closing the air outlet, the required space is 30mm or more. Note (3)

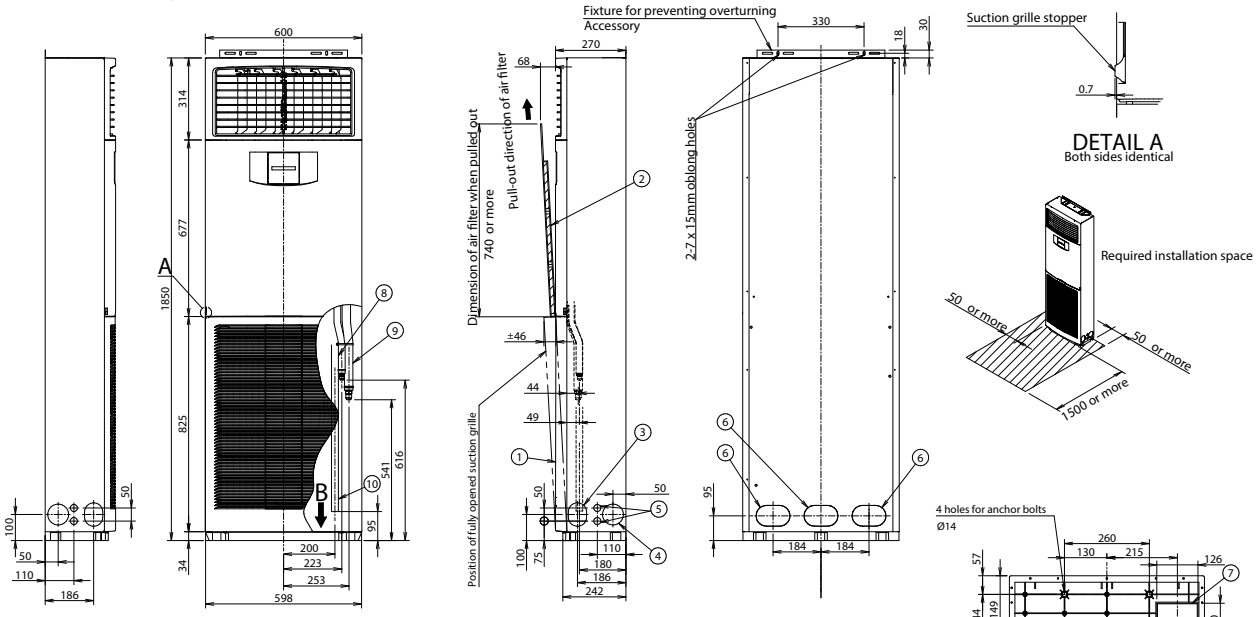


11	L-type piping kit (upward direction) 15.9 flared connection
10	Drain pipe connection (outside diameter 26)
9	Pipe cover (top)
8	Piping connection Rear/ Wiring connection
7	Piping connection right/ Wiring connection
6	Corner decoration cover
5	Air suction grille
4	Air discharge outlet
3	Drain socket VP20
2	Gas pipe connection 15.9 flare
1	Liquid pipe connection 9.5 flare

3D106356

FVA71A

This unit has to be fixed with fixing screws as shown below.
In case of fixing it at the bottom
In case vibration resistance is required, fix it at both the bottom and the rear.



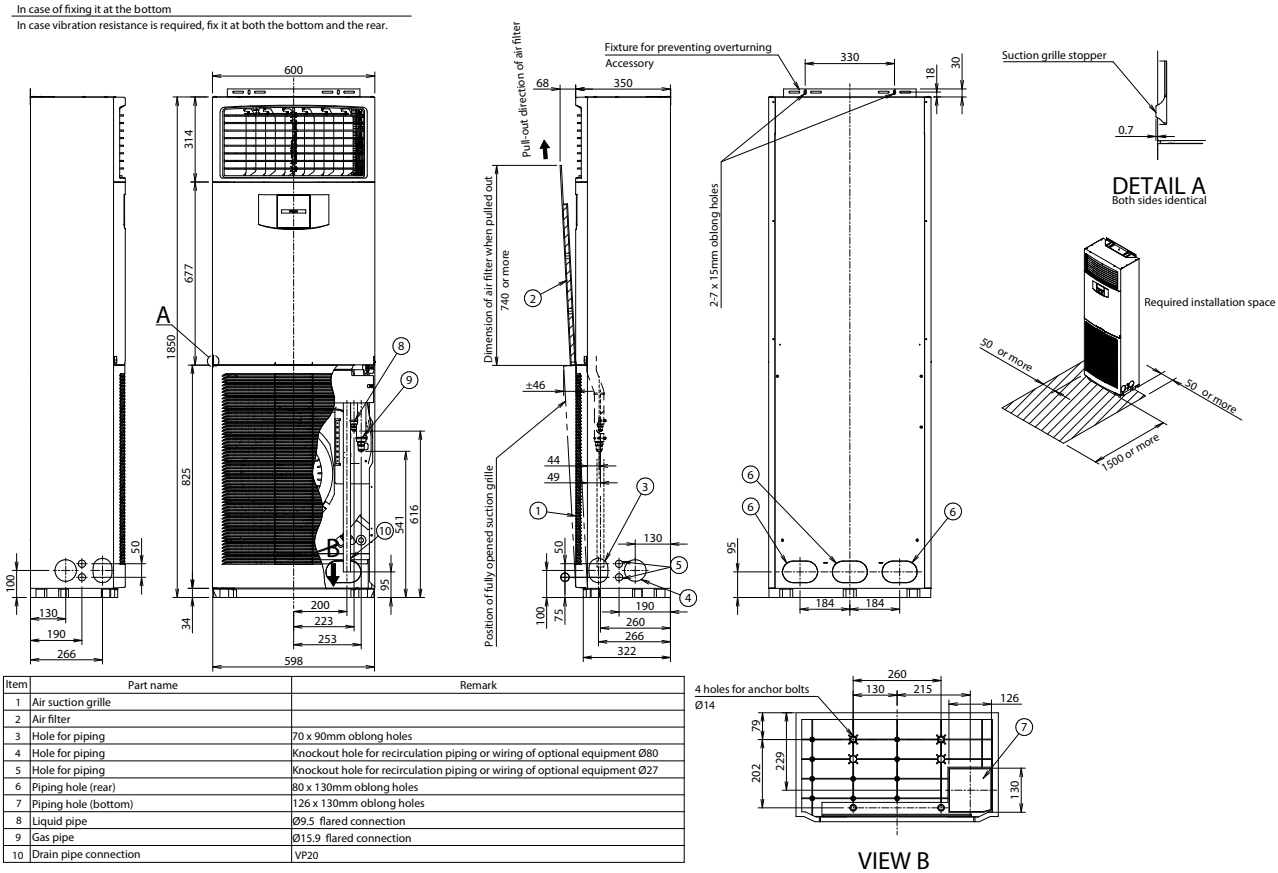
Item	Part name	Remark
1	Air suction grille	
2	Air filter	
3	Hole for piping	70 x 90mm oblong holes
4	Hole for piping	Knockout hole for recirculation piping or wiring of optional equipment Ø80
5	Hole for piping	Knockout hole for recirculation piping or wiring of optional equipment Ø27
6	Piping hole (rear)	80 x 130mm oblong holes
7	Piping hole (bottom)	126 x 130mm oblong holes
8	Liquid pipe	Ø9.5 flared connection
9	Gas pipe	Ø15.9 flared connection
10	Drain pipe connection	VP20

Notes
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.



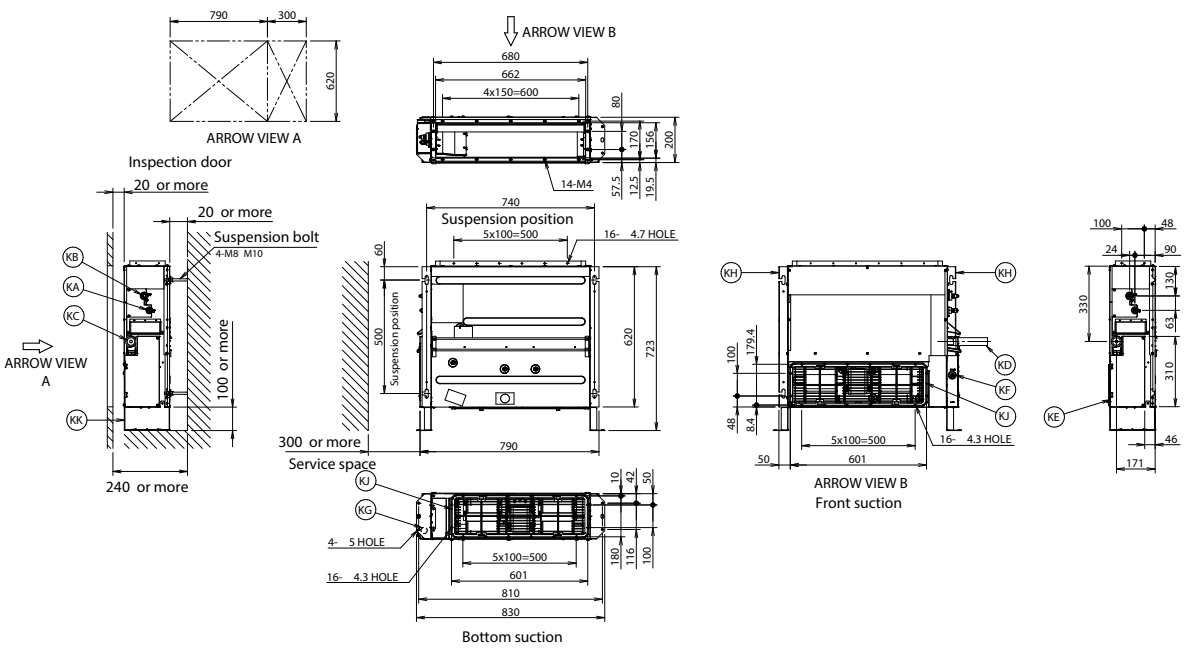
Item	Part name	Remark
1	Air suction grille	
2	Air filter	
3	Hole for piping	70 x 90mm oblong holes
4	Hole for piping	Knockout hole for recirculation piping or wiring of optional equipment Ø80
5	Hole for piping	Knockout hole for recirculation piping or wiring of optional equipment Ø27
6	Piping hole (rear)	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
The unit nameplate is located on the switch box cover, inside the suction grille.

3D110703

VIEW ALL FNA-A9 TECHNICAL DRAWINGS ON MY.DAIKIN.EU

FNA25-35A9



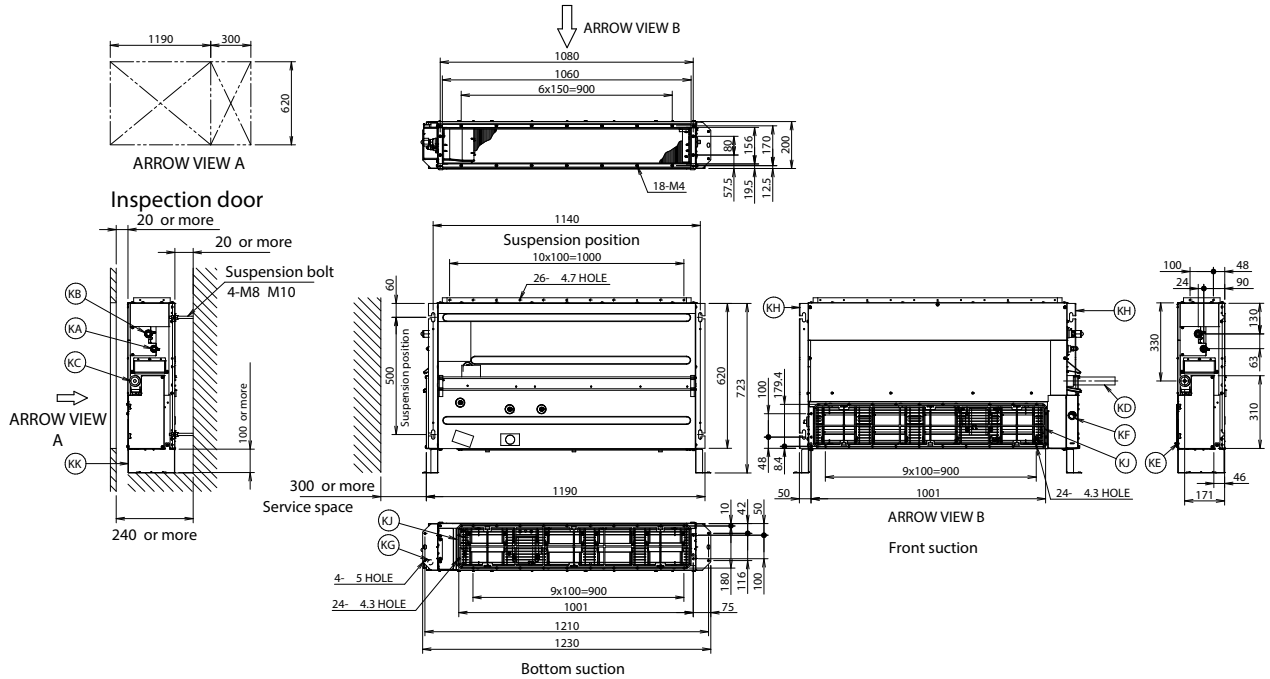
Item	Name	Description
KA	Liquid pipe connection port	Ø6.40 flared connection
KB	Gas pipe connection port	Ø9.50 flared connection
KC	Drain pipe connection	VP20 (OD Ø26, ID Ø20)
KD	Drain hose	ID Ø25
KE	Control box	/
KF	Transmission line	/
KG	Power supply connection	/
KH	Suspension bracket	/
KJ	Air filter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

Notes

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

3D112885

FNA50-60A9



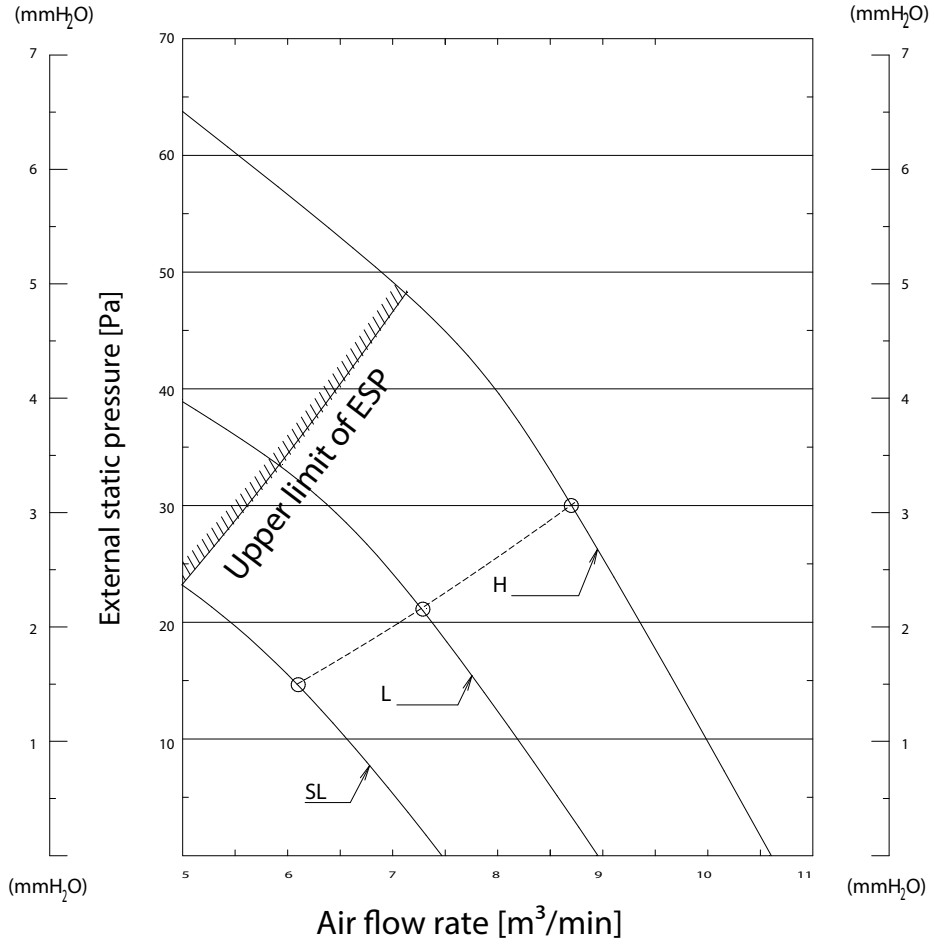
Item	Name	Description
KA	Liquid pipe connection port	Ø6.4 flared connection
KB	Gas pipe connection port	Ø12.70 flared connection
KC	Drain pipe connection	VP20 (OD Ø26, ID Ø20)
KD	Drain hose	ID Ø25
KE	Control box	/
KF	Transmission line	/
KG	Power supply connection	/
KH	Suspension bracket	/
KJ	Air filter	/
KK	Mounting foot	/

Notes

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

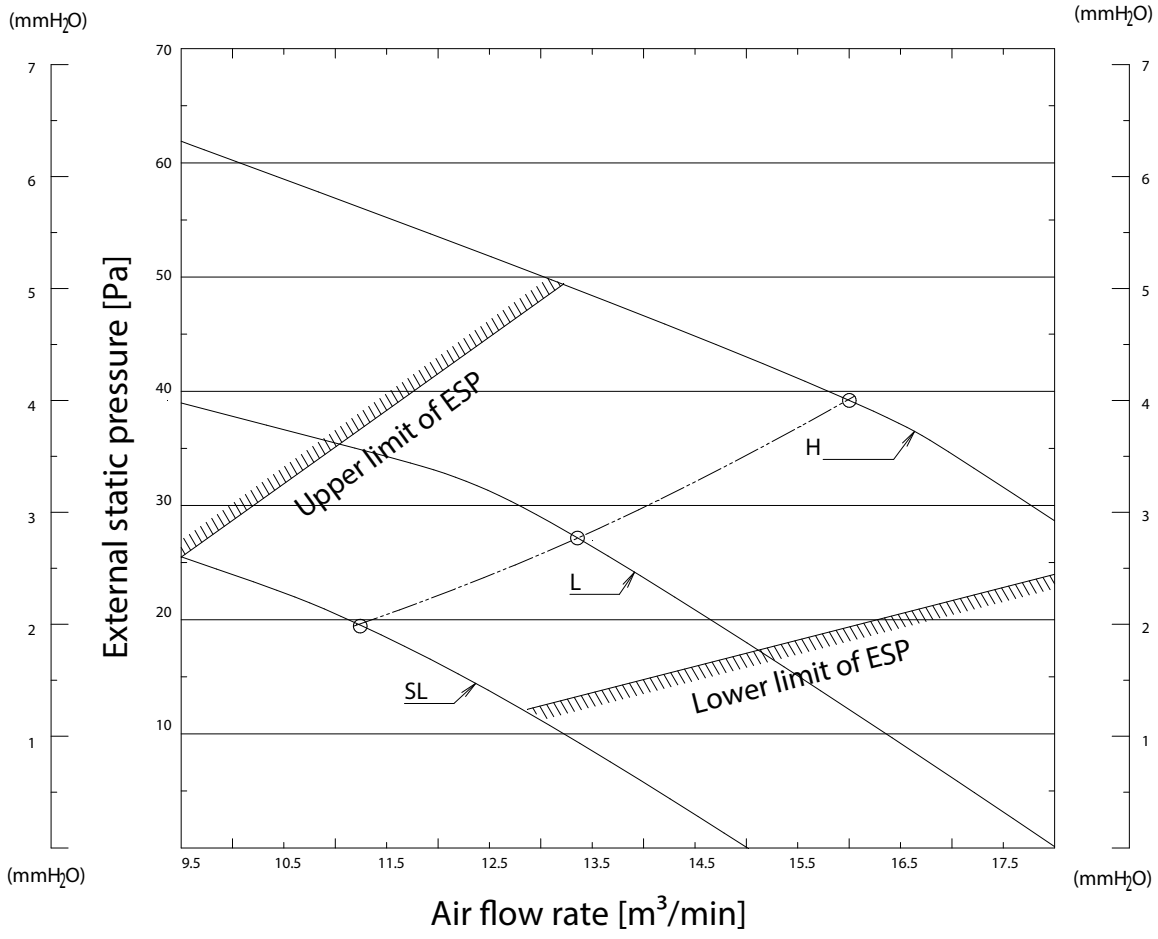
3D112884

FNA25-35A9



3D081327C

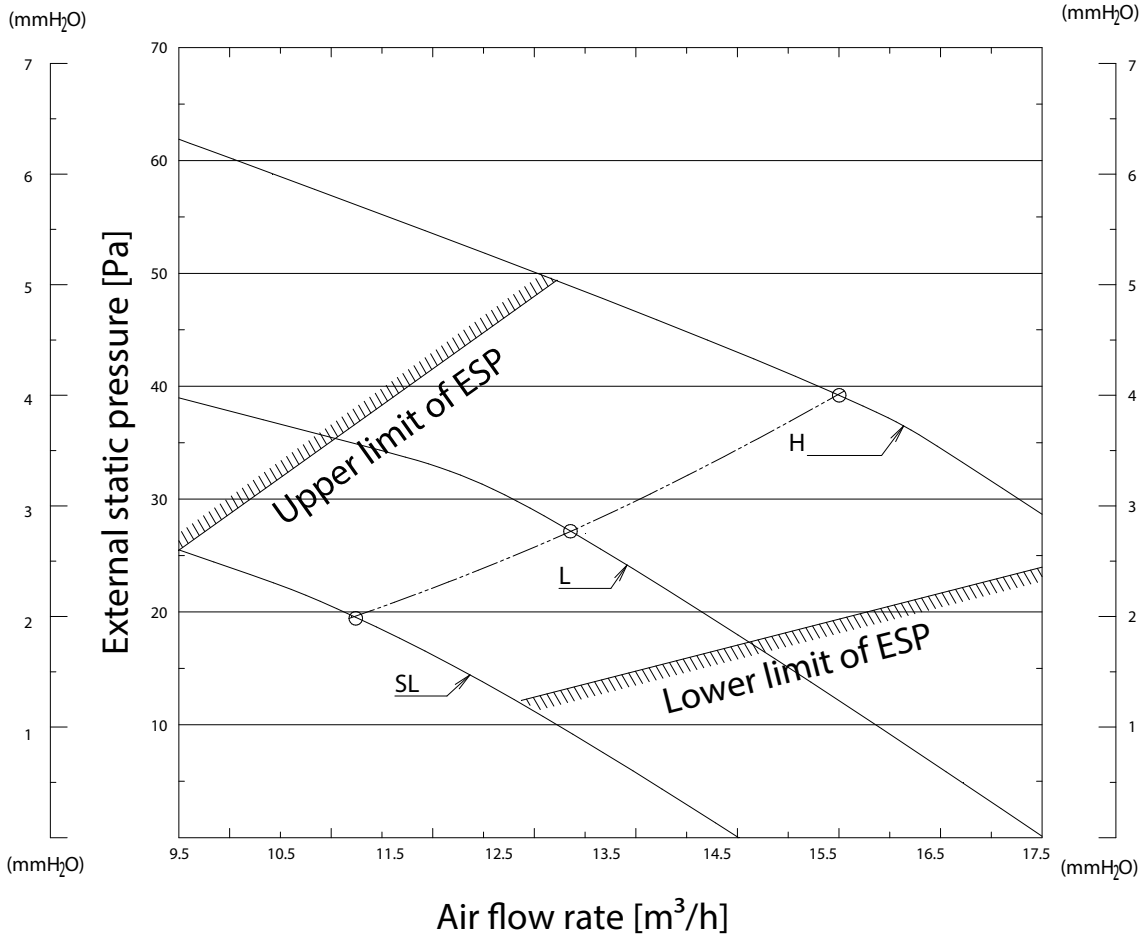
FNA50A9



3D085960C

VIEW ALL FNA-A9 TECHNICAL DRAWINGS ON MY.DAIKIN.EU

FNA60A9



3D081329C

Technical drawings

Outdoor units

RZAG-A	182
RZAG-NV1/NY1	185
RZASG-MV1/MY1	194
RZA-D	201
AZAS-MV1/MY1	206

VIEW ALL RZAG-A TECHNICAL DRAWINGS ON MY.DAIKIN.EU

RZAG35A

Unit combination restrictions		Power supply					Compressor		OFM		IFM	
Outdoor unit	Indoor unit	Hz	Voltage	Voltage range	MCA	MFA	RHz	RLA	kW	FLA	kW	FLA
RZAG35A2V1B	FDXM35F3V1B9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14.53	16	41	4.9	0.058	0.38	0.034	0.3
		50	230					4.7				
		50	240					4.5				
RZAG35A2V1B	FFA35A2VEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14.43	16	38	4.6	0.058	0.38	0.050	0.2
		50	230					4.4				
		50	240					4.2				
RZAG35A2V1B	FBA35A2VEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	15.63	16	33	3.4	0.058	0.38	0.089	1.4
		50	230					3.3				
		50	240					3.2				
RZAG35A2V1B	FCAG35AVEB	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14.53	16	37	4.3	0.058	0.38	0.048	0.3
		50	230					4.1				
		50	240					3.9				
RZAG35A2V1B	FNA35A2VEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14.73	16	41	4.9	0.058	0.38	0.034	0.5
		50	230					4.7				
		50	240					4.5				
RZAG35A2V1B	FTXM35N2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14.48	16	40	5.1	0.058	0.38	0.028	0.25
		50	230					4.9				
		50	240					4.7				
RZAG35A2V1B	FHA35AVEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14.83	16	36	3.8	0.058	0.38	0.090	0.6
		50	230					3.6				
		50	240					3.5				
RZAG35A2V1B	FDXM50F3V1B9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	15.23	16	41	4.8	0.058	0.38	0.060	0.9
		50	230					4.6				
		50	240					4.4				
RZAG35A2V1B	FFA50A2VEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14.63	16	38	4.6	0.058	0.38	0.050	0.4
		50	230					4.4				
		50	240					4.2				
RZAG35A2V1B	FBA50A2VEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	15.63	16	33	3.4	0.058	0.38	0.089	1.4
		50	230					3.3				
		50	240					3.2				
RZAG35A2V1B	FCAG50AVEB	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14.53	16	37	4.3	0.058	0.38	0.048	0.3
		50	230					4.1				
		50	240					3.9				
RZAG35A2V1B	FNA50A2VEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14.73	16	41	4.8	0.058	0.38	0.060	0.5
		50	230					4.6				
		50	240					4.4				
RZAG35A2V1B	FTXM50N2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14.83	16	40	5.0	0.058	0.38	0.046	0.6
		50	230					4.8				
		50	240					4.6				
RZAG35A2V1B	FHA50AVEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14.83	16	36	3.8	0.058	0.38	0.090	0.6
		50	230					3.6				
		50	240					3.5				

RZAG35A 3D118439

RZAG50A

Unit combination restrictions		Power supply					Compressor		OFM		IFM	
Outdoor unit	Indoor unit	Hz	Voltage	Voltage range	MCA	MFA	RHz	RLA	kW	FLA	kW	FLA
RZAG50A2V1B	FDXM50F3V1B9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	15.23	16	57	5.4	0.06	0.38	0.060	0.9
		50	230					5.2				
		50	240					5.0				
RZAG50A2V1B	FFA50A2VEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14.63	16	62	5.5	0.06	0.38	0.050	0.4
		50	230					5.2				
		50	240					5.0				
RZAG50A2V1B	FBA50A2VEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	15.63	16	53	6.8	0.06	0.38	0.089	1.4
		50	230					6.5				
		50	240					6.2				
RZAG50A2V1B	FCAG50AVEB	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14.53	16	56	7.3	0.06	0.38	0.048	0.3
		50	230					7.0				
		50	240					6.7				
RZAG50A2V1B	FNA50A2VEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14.73	16	57	5.4	0.06	0.38	0.060	0.5
		50	230					5.2				
		50	240					5.0				
RZAG50A2V1B	FTXM50N2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14.83	16	54	6.5	0.06	0.38	0.046	0.6
		50	230					6.2				
		50	240					5.9				
RZAG50A2V1B	FHA50AVEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14.83	16	52	5.0	0.06	0.38	0.090	0.6
		50	230					4.8				
		50	240					4.6				
RZAG50A2V1B	FDXM60F3V1B9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	15.23	16	57	5.4	0.06	0.38	0.060	0.9
		50	230					5.2				
		50	240					5.0				
RZAG50A2V1B	FFA60A2VEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14.83	16	62	5.5	0.06	0.38	0.050	0.6
		50	230					5.2				
		50	240					5.0				
RZAG50A2V1B	FBA60A2VEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	15.53	16	53	6.9	0.06	0.38	0.070	1.3
		50	230					6.6				
		50	240					6.3				
RZAG50A2V1B	FCAG60AVEB	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14.53	16	56	7.3	0.06	0.38	0.048	0.3
		50	230					7.0				
		50	240					6.7				
RZAG50A2V1B	FNA60A2VEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14.83	16	57	5.4	0.06	0.38	0.060	0.6
		50	230					5.2				
		50	240					5.0				
RZAG50A2V1B	FTXM60N2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14.83	16	54	6.5	0.06	0.38	0.046	0.6
		50	230					6.2				
		50	240					5.9				
RZAG50A2V1B	FHA60AVEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14.83	16	52	5.0	0.06	0.38	0.091	0.6
		50	230					4.8				
		50	240					4.6				

RZAG50A 3D118440

RZAG60A

Unit combination restrictions		Power supply					Compressor		OFM		IFM	
Outdoor unit	Indoor unit	Hz	Voltage	Voltage range	MCA	MFA	RHz	RLA	kW	FLA	kW	FLA
RZAG60A2V1B	FDXM60F3V1B9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	17.10	20	70	7.3	0.06	0.38	0.060	0.9
		50	230					6.9				
		50	240					6.7				
RZAG60A2V1B	FFA60A2VEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	16.70	20	70	9.0	0.06	0.38	0.050	0.6
		50	230					8.6				
		50	240					8.2				
RZAG60A2V1B	FBA60A2VEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	17.40	20	65	7.0	0.06	0.38	0.070	1.3
		50	230					6.7				
		50	240					6.4				
RZAG60A2V1B	FCAG60AVEB	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	16.40	20	72	7.5	0.06	0.38	0.048	0.3
		50	230					7.2				
		50	240					6.9				
RZAG60A2V1B	FNA60A2VEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	16.70	20	70	9.0	0.06	0.38	0.060	0.6
		50	230					8.6				
		50	240					8.3				
RZAG60A2V1B	FTXM60N2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	16.70	20	71	8.4	0.06	0.38	0.046	0.6
		50	230					8.1				
		50	240					7.7				
RZAG60A2V1B	FHA60AVEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	16.70	20	67	8.1	0.06	0.38	0.091	0.6
		50	230					7.7				
		50	240					7.4				
RZAG60A2V1B	FBA71A2VEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	17.40	20	65	8.9	0.06	0.38	0.070	1.3
		50	230					8.5				
		50	240					8.1				
RZAG60A2V1B	FCAG71AVEB	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	16.40	20	72	7.5	0.06	0.38	0.054	0.3
		50	230					7.2				
		50	240					6.9				
RZAG60A2V1B	FTXM71N2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	16.70	20	71	8.4	0.06	0.38	0.052	0.6
		50	230					8.0				
		50	240					7.7				
RZAG60A2V1B	FHA71AVEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	16.90	20	67	8.1	0.06	0.38	0.091	0.8
		50	230					7.7				
		50	240					7.4				

RZAG60A

3D118441

RZAG-A

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

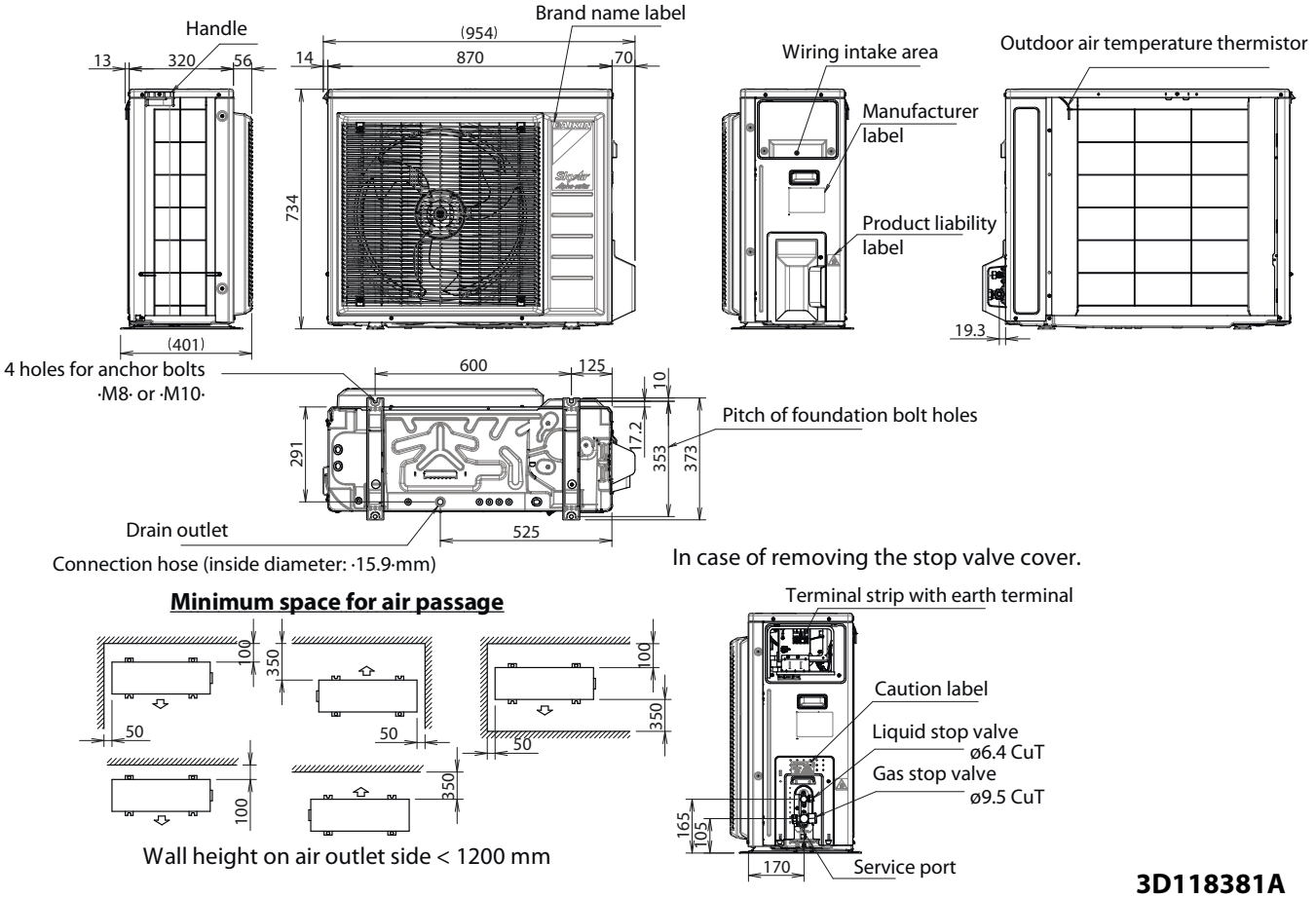
Notes

1 The RLA is based on the following conditions.
Outdoor temperature 35°C DB
Indoor temperature 27°C DB / 19°C WB
2 Select the wire size according to the MCA.
3 The maximum allowable voltage that is unbalanced between phases is 2%.
4 Use a circuit breaker instead of a fuse.

3D118439 - 3D118440 - 3D118441

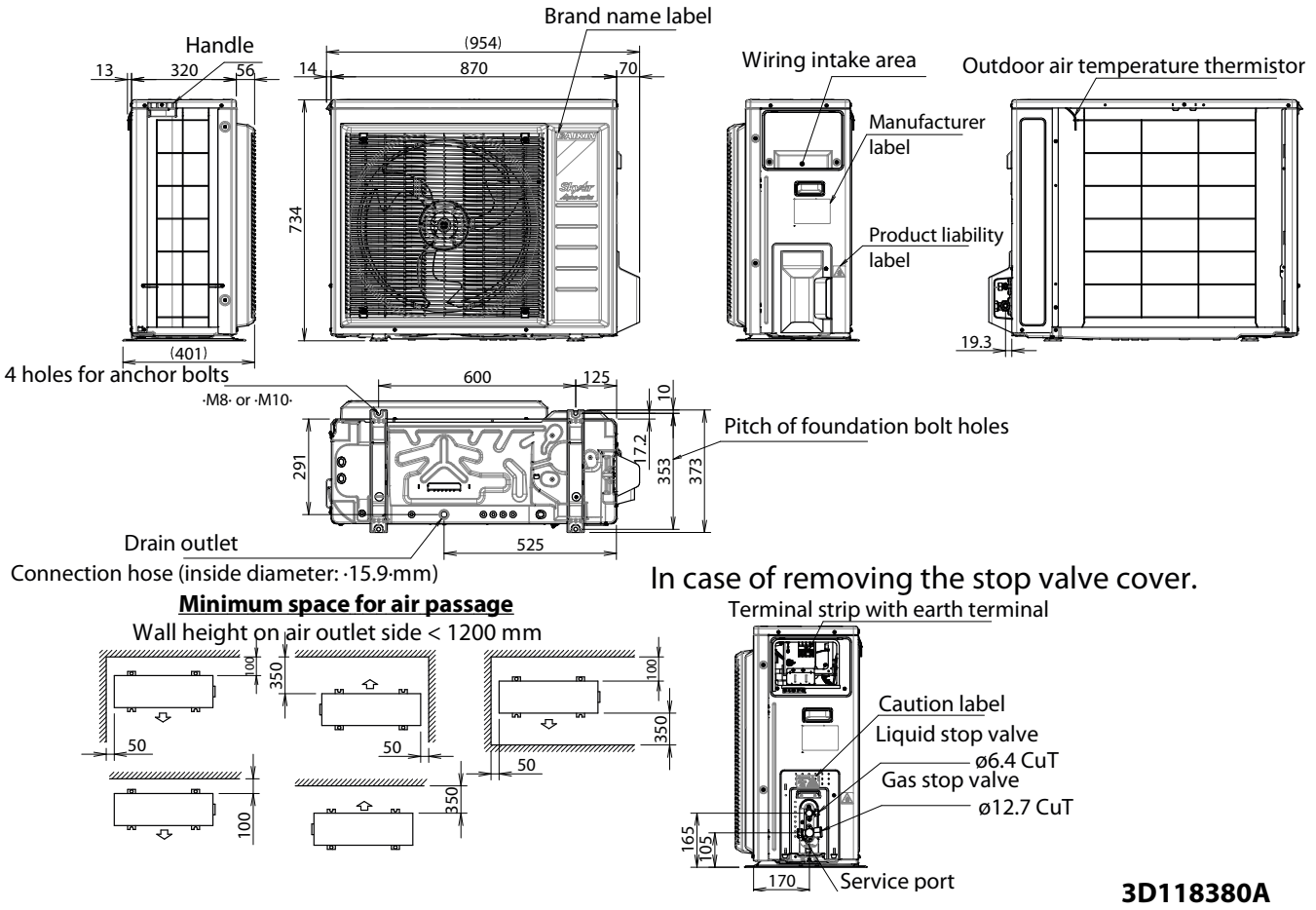
VIEW ALL RZAG-A TECHNICAL DRAWINGS ON MY.DAIKIN.EU

RZAG35A



3D118381A

RZAG50-60A



3D118380A

RZAG71-100NV1 COMFORT COOLING

									Compressor		OFM		IFM	
Indoor		Outdoor	Power supply	Voltage range		MCA	TOCA	MFA	MSC	RLA	kW	FLA	kW	FLA
FCAHG71HVEB		RZAG71N7V1B	50Hz ~ 220-240V	Minimum: ·198 V·	Maximum ·264 V·	17.7	–	20	–	15.5	0.234	0.8	0.091	0.7
FCAG35BVEB	x2	RZAG71N7V1B				17.6	–	20	–	15.5	0.234	0.8	0.044 x2	0.3 x2
FCAG71BVEB		RZAG71N7V1B				17.4	–	20	–	15.5	0.234	0.8	0.054	0.4
FFA35A2VEB	x2	RZAG71N7V1B				17.4	–	20	–	15.5	0.234	0.8	0.050 x2	0.2 x2
FBA35A2VEB	x2	RZAG71N7V1B				19.9	–	20	–	15.5	0.234	0.8	0.089 x2	1.4 x2
FBA71A2VEB		RZAG71N7V1B				18.3	–	20	–	15.5	0.234	0.8	0.070	1.3
FNA35A2VEB	x2	RZAG71N7V1B				18.0	–	20	–	15.5	0.234	0.8	0.034 x2	0.5 x2
FUA71AVEB		RZAG71N7V1B				17.9	–	20	–	15.5	0.234	0.8	0.046	0.9
FAA71AUVEB		RZAG71N7V1B				17.5	–	20	–	15.5	0.234	0.8	0.048	0.5
FVA71AMVEB		RZAG71N7V1B				17.8	–	20	–	15.5	0.234	0.8	0.117	0.8
FDXM35F3V1B	x2	RZAG71N7V1B				17.6	–	20	–	15.5	0.234	0.8	0.034 x2	0.3 x2
FHA35AVEB	x2	RZAG71N7V1B				18.2	–	20	–	15.5	0.234	0.8	0.060 x2	0.6 x2
FHA71AVEB		RZAG71N7V1B				17.8	–	20	–	15.5	0.234	0.8	0.091	0.8
FCAHG100HVEB		RZAG100N7V1B	50Hz ~ 220-240V	Minimum: ·198 V·	Maximum ·264 V·	22.2	–	32	–	18.8	0.234	1.2	0.221	1.3
FCAG35BVEB	x3	RZAG100N7V1B				21.7	–	32	–	18.8	0.234	1.2	0.044 x3	0.3 x3
FCAG50BVEB	x2	RZAG100N7V1B				21.4	–	32	–	18.8	0.234	1.2	0.039 x2	0.3 x2
FCAG100BVEB		RZAG100N7V1B				21.5	–	32	–	18.8	0.234	1.2	0.117	0.7
FFA35A2VEB	x3	RZAG100N7V1B				21.4	–	32	–	18.8	0.234	1.2	0.050 x3	0.2 x3
FFA50A2VEB	x2	RZAG100N7V1B				21.6	–	32	–	18.8	0.234	1.2	0.050 x2	0.4 x2
FBA35A2VEB	x3	RZAG100N7V1B				25.2	–	32	–	18.8	0.234	1.2	0.089 x3	1.4 x3
FBA50A2VEB	x2	RZAG100N7V1B				23.7	–	32	–	18.8	0.234	1.2	0.089 x2	1.4 x2
FBA100A2VEB		RZAG100N7V1B				24.4	–	32	–	18.8	0.234	1.2	0.127	3.5
FNA35A2VEB	x3	RZAG100N7V1B				22.4	–	32	–	18.8	0.234	1.2	0.034 x3	0.5 x3
FNA50A2VEB	x2	RZAG100N7V1B				21.8	–	32	–	18.8	0.234	1.2	0.060 x2	0.5 x2
FUA100AVEB		RZAG100N7V1B				22.2	–	32	–	18.8	0.234	1.2	0.106	1.3
FAA100AUVEB		RZAG100N7V1B				21.3	–	32	–	18.8	0.234	1.2	0.064	0.5
FVA100AMVEB		RZAG100N7V1B				22.4	–	32	–	18.8	0.234	1.2	0.238	1.5
FDXM35F3V1B	x3	RZAG100N7V1B				21.7	–	32	–	18.8	0.234	1.2	0.034 x3	0.3 x3
FDXM50F3V1B	x2	RZAG100N7V1B				22.7	–	32	–	18.8	0.234	1.2	0.060 x2	0.9 x2
FHA35AVEB	x3	RZAG100N7V1B				22.7	–	32	–	18.8	0.234	1.2	0.060 x3	0.6 x3
FHA50AVEB	x2	RZAG100N7V1B				22.0	–	32	–	18.8	0.234	1.2	0.060 x2	0.6 x2
FHA100AVEB		RZAG100N7V1B				22.2	–	32	–	18.8	0.234	1.2	0.150	1.3

RZAG71-100NV1 3D120943

RZAG125-140NV1 COMFORT COOLING

									Compressor		OFM		IFM	
Indoor		Outdoor	Power supply	Voltage range		MCA	TOCA	MFA	MSC	RLA	kW	FLA	kW	FLA
FCAHG125HVEB		RZAG125N7V1B	50Hz ~ 220-240V	Minimum: ·198 V·	Maximum ·264 V·	27.5	–	32	–	23.8	0.234	1.2	0.244	1.4
FCAG35BVEB	x4	RZAG125N7V1B				27.2	–	32	–	23.8	0.234	1.2	0.044 x4	0.3 x4
FCAG50BVEB	x3	RZAG125N7V1B				26.9	–	32	–	23.8	0.234	1.2	0.039 x3	0.3 x3
FCAG60BVEB	x2	RZAG125N7V1B				26.6	–	32	–	23.8	0.234	1.2	0.044 x2	0.3 x2
FCAG125BVEB		RZAG125N7V1B				27.0	–	32	–	23.8	0.234	1.2	0.168	1.0
FFA35A2VEB	x4	RZAG125N7V1B				26.8	–	32	–	23.8	0.234	1.2	0.050 x4	0.2 x4
FFA50A2VEB	x3	RZAG125N7V1B				27.2	–	32	–	23.8	0.234	1.2	0.050 x3	0.4 x3
FFA60A2VEB	x2	RZAG125N7V1B				27.2	–	32	–	23.8	0.234	1.2	0.050 x2	0.6 x2
FBA35A2VEB	x4	RZAG125N7V1B				31.8	–	32	–	23.8	0.234	1.2	0.089 x4	1.4 x4
FBA50A2VEB	x3	RZAG125N7V1B				30.4	–	32	–	23.8	0.234	1.2	0.089 x3	1.4 x3
FBA60A2VEB	x2	RZAG125N7V1B				28.7	–	32	–	23.8	0.234	1.2	0.070 x2	1.3 x2
FBA125A2VEB		RZAG125N7V1B				30.1	–	32	–	23.8	0.234	1.2	0.187	3.9
FNA35A2VEB	x4	RZAG125N7V1B				28.1	–	32	–	23.8	0.234	1.2	0.034 x4	0.5 x4
FNA50A2VEB	x3	RZAG125N7V1B				27.6	–	32	–	23.8	0.234	1.2	0.060 x3	0.5 x3
FNA60A2VEB	x2	RZAG125N7V1B				27.2	–	32	–	23.8	0.234	1.2	0.060 x2	0.6 x2
FUA125AVEB		RZAG125N7V1B				27.5	–	32	–	23.8	0.234	1.2	0.106	1.4
FDA125A5VEB		RZAG125N7V1B				28.2	–	32	–	23.8	0.234	1.2	0.350	2.1
FVA125AMVEB		RZAG125N7V1B				27.6	–	32	–	23.8	0.234	1.2	0.238	1.5
FDXM35F3V1B	x4	RZAG125N7V1B				27.2	–	32	–	23.8	0.234	1.2	0.034 x4	0.3 x4
FDXM50F3V1B	x3	RZAG125N7V1B				28.8	–	32	–	23.8	0.234	1.2	0.060 x3	0.9 x3
FDXM60F3V1B	x2	RZAG125N7V1B				27.9	–	32	–	23.8	0.234	1.2	0.060 x2	0.9 x2
FHA35AVEB	x4	RZAG125N7V1B				28.5	–	32	–	23.8	0.234	1.2	0.060 x4	0.6 x4
FHA50AVEB	x3	RZAG125N7V1B				27.9	–	32	–	23.8	0.234	1.2	0.060 x3	0.6 x3
FHA60AVEB	x2	RZAG125N7V1B				27.2	–	32	–	23.8	0.234	1.2	0.091 x2	0.6 x2
FHA125AVEB		RZAG125N7V1B				27.6	–	32	–	23.8	0.234	1.2	0.150	1.5
FCAHG71HVEB	x2	RZAG140N7V1B	50Hz ~ 220-240V	Minimum: ·198 V·	Maximum ·264 V·	27.5	–	32	–	23.6	0.234	1.4	0.091 x2	0.7 x2
FCAHG140HVEB		RZAG140N7V1B				27.5	–	32	–	23.6	0.234	1.4	0.244	1.4
FCAG35BVEB	x4	RZAG140N7V1B				27.2	–	32	–	23.6	0.234	1.4	0.044 x4	0.3 x4
FCAG50BVEB	x3	RZAG140N7V1B				26.9	–	32	–	23.6	0.234	1.4	0.039 x3	0.3 x3
FCAG71BVEB	x2	RZAG140N7V1B				26.8	–	32	–	23.6	0.234	1.4	0.054 x2	0.4 x2
FCAG140BVEB		RZAG140N7V1B				27.4	–	32	–	23.6	0.234	1.4	0.168	1.3
FFA35A2VEB	x4	RZAG140N7V1B				26.8	–	32	–	23.6	0.234	1.4	0.050 x4	0.2 x4
FFA50A2VEB	x3	RZAG140N7V1B				27.2	–	32	–	23.6	0.234	1.4	0.050 x3	0.4 x3
FBA35A2VEB	x4	RZAG140N7V1B				31.8	–	32	–	23.6	0.234	1.4	0.089 x4	1.4 x4
FBA50A2VEB	x3	RZAG140N7V1B				30.4	–	32	–	23.6	0.234	1.4	0.089 x3	1.4 x3
FBA71A2VEB	x2	RZAG140N7V1B				28.7	–	32	–	23.6	0.234	1.4	0.070 x2	1.3 x2
FBA140A2VEB		RZAG140N7V1B				30.1	–	32	–	23.6	0.234	1.4	0.187	3.9
FNA35A2VEB	x4	RZAG140N7V1B				28.1	–	32	–	23.6	0.234	1.4	0.034 x4	0.5 x4
FNA50A2VEB	x3	RZAG140N7V1B				27.6	–	32	–	23.6	0.234	1.4	0.060 x3	0.5 x3
FUA71AVEB	x2	RZAG140N7V1B				27.9	–	32	–	23.6	0.234	1.4	0.046 x2	0.9 x2
FAA71AUVEB	x2	RZAG140N7V1B				27.0	–	32	–	23.6	0.234	1.4	0.048 x2	0.5 x2
FVA71AMVEB	x2	RZAG140N7V1B				27.7	–	32	–	23.6	0.234	1.4	0.117 x2	0.8 x2
FVA140AMVEB		RZAG140N7V1B				27.9	–	32	–	23.6	0.234	1.4	0.276	1.8
FDXM35F3V1B	x4	RZAG140N7V1B				27.2	–	32	–	23.6	0.234	1.4	0.034 x4	0.3 x4
FDXM50F3V1B	x3	RZAG140N7V1B				28.8	–	32	–	23.6	0.234	1.4	0.060 x3	0.9 x3
FHA35AVEB	x4	RZAG140N7V1B				28.5	–	32	–	23.6	0.234	1.4	0.060 x4	0.6 x4
FHA50AVEB	x3	RZAG140N7V1B				27.9	–	32	–	23.6	0.234	1.4	0.060 x3	0.6 x3
FHA71AVEB	x2	RZAG140N7V1B				27.7	–	32	–	23.6	0.234	1.4	0.091 x2	0.8 x2
FHA140AVEB		RZAG140N7V1B				27.9	–	32	–	23.6	0.234	1.4	0.150	1.8

RZAG125-140NV1 3D120943

VIEW ALL RZAG-NV1 TECHNICAL DRAWINGS ON MY.DAIKIN.EU

VIEW ALL RZAG-NY1 TECHNICAL DRAWINGS ON MY.DAIKIN.EU

RZAG71-100NY1 COMFORT COOLING

								Compressor		OFM		IFM	
Indoor		Outdoor	Power supply	Voltage range	MCA	TOCA	MFA	MSC	RLA	kW	FLA	kW	FLA
FCAHG71HVEB		RZAG71N7Y1B	3N~ 50Hz 380-415V	Minimum: ·342 V· Maximum ·457 V·	11.1	–	16	–	9.2	0.234	0.8	0.091	0.7
FCAG35BVEB	x2	RZAG71N7Y1B			11.0	–	16	–	9.2	0.234	0.8	0.044 x2	0.3 x2
FCAG71BVEB		RZAG71N7Y1B			10.8	–	16	–	9.2	0.234	0.8	0.054	0.4
FFA35A2VEB	x2	RZAG71N7Y1B			10.8	–	16	–	9.2	0.234	0.8	0.050 x2	0.2 x2
FBA35A2VEB	x2	RZAG71N7Y1B			(10.4)*	–	16	–	9.2	0.234	0.8	0.089 x2	1.4 x2
FBA71A2VEB		RZAG71N7Y1B			(10.4)*	–	16	–	9.2	0.234	0.8	0.070	1.3
FNA35A2VEB	x2	RZAG71N7Y1B			11.4	–	16	–	9.2	0.234	0.8	0.034 x2	0.5 x2
FUA71AVEB		RZAG71N7Y1B			11.3	–	16	–	9.2	0.234	0.8	0.046	0.9
FAA71AUVEB		RZAG71N7Y1B			10.9	–	16	–	9.2	0.234	0.8	0.048	0.5
FVA71AMVEB		RZAG71N7Y1B			11.2	–	16	–	9.2	0.234	0.8	0.117	0.8
FDXM35F3V1B	x2	RZAG71N7Y1B			11.0	–	16	–	9.2	0.234	0.8	0.034 x2	0.3 x2
FHA35AVEB	x2	RZAG71N7Y1B			11.6	–	16	–	9.2	0.234	0.8	0.060 x2	0.6 x2
FHA71AVEB		RZAG71N7Y1B			11.2	–	16	–	9.2	0.234	0.8	0.091	0.8
FCAHG100HVEB		RZAG100N7Y1B	3N~ 50Hz 380-415V	Minimum: ·342 V· Maximum ·457 V·	14.9	–	16	–	11.8	0.234	1.2	0.221	1.3
FCAG35BVEB	x3	RZAG100N7Y1B			13.0	–	16	–	10.4	0.234	1.2	0.044 x3	0.3 x3
FCAG50BVEB	x2	RZAG100N7Y1B			12.7	–	16	–	10.4	0.234	1.2	0.039 x2	0.3 x2
FCAG100BVEB		RZAG100N7Y1B			14.2	–	16	–	11.8	0.234	1.2	0.117	0.7
FFA35A2VEB	x3	RZAG100N7Y1B			12.7	–	16	–	10.4	0.234	1.2	0.050 x3	0.2 x3
FFA50A2VEB	x2	RZAG100N7Y1B			12.9	–	16	–	10.4	0.234	1.2	0.050 x2	0.4 x2
FBA35A2VEB	x3	RZAG100N7Y1B			(12.1)*	–	16	–	10.4	0.234	1.2	0.089 x3	1.4 x3
FBA50A2VEB	x2	RZAG100N7Y1B			(12.1)*	–	16	–	10.4	0.234	1.2	0.089 x2	1.4 x2
FBA100A2VEB		RZAG100N7Y1B			(13.5)*	–	16	–	11.8	0.234	1.2	0.127	3.5
FNA35A2VEB	x3	RZAG100N7Y1B			13.6	–	16	–	10.4	0.234	1.2	0.034 x3	0.5 x3
FNA50A2VEB	x2	RZAG100N7Y1B			13.1	–	16	–	10.4	0.234	1.2	0.060 x2	0.5 x2
FUA100AVEB		RZAG100N7Y1B			14.9	–	16	–	11.8	0.234	1.2	0.106	1.3
FAA100AUVEB		RZAG100N7Y1B			14.0	–	16	–	11.8	0.234	1.2	0.064	0.5
FVA100AMVEB		RZAG100N7Y1B			15.1	–	16	–	11.8	0.234	1.2	0.238	1.5
FDXM35F3V1B	x3	RZAG100N7Y1B			13.0	–	16	–	10.4	0.234	1.2	0.034 x3	0.3 x3
FDXM50F3V1B	x2	RZAG100N7Y1B			13.9	–	16	–	10.4	0.234	1.2	0.060 x2	0.9 x2
FHA35AVEB	x3	RZAG100N7Y1B			13.9	–	16	–	10.4	0.234	1.2	0.060 x3	0.6 x3
FHA50AVEB	x2	RZAG100N7Y1B			13.3	–	16	–	10.4	0.234	1.2	0.060 x2	0.6 x2
FHA100AVEB		RZAG100N7Y1B			14.9	–	16	–	11.8	0.234	1.2	0.150	1.3

* Use a separate power supply for the indoor unit. The value between brackets is the MCA of the outdoor unit. For the MCA of the indoor unit, see the installation manual of the indoor unit.

RZAG71-100NY1 3D120943

RZAG125-140NY1 COMFORT COOLING

								Compressor		OFM		IFM	
Indoor		Outdoor	Power supply	Voltage range	MCA	TOCA	MFA	MSC	RLA	kW	FLA	kW	FLA
FCAHG125HVEB		RZAG125N7Y1B	3N~ 50Hz 380-415V	Minimum: ·342 V· Maximum ·457 V·	15.0	–	16	–	11.8	0.234	1.2	0.244	1.4
FCAG35BVEB	x4	RZAG125N7Y1B			12.2	–	16	–	9.3	0.234	1.2	0.044 x4	0.3 x4
FCAG50BVEB	x3	RZAG125N7Y1B			12.9	–	16	–	10.3	0.234	1.2	0.039 x3	0.3 x3
FCAG60BVEB	x2	RZAG125N7Y1B			14.1	–	16	–	11.8	0.234	1.2	0.044 x2	0.3 x2
FCAG125BVEB		RZAG125N7Y1B			14.6	–	16	–	11.8	0.234	1.2	0.168	1.0
FFA35A2VEB	x4	RZAG125N7Y1B			11.8	–	16	–	9.3	0.234	1.2	0.050 x4	0.2 x4
FFA50A2VEB	x3	RZAG125N7Y1B			13.2	–	16	–	10.3	0.234	1.2	0.050 x3	0.4 x3
FFA60A2VEB	x2	RZAG125N7Y1B			14.8	–	16	–	11.8	0.234	1.2	0.050 x2	0.6 x2
FBA35A2VEB	x4	RZAG125N7Y1B			(10.9)*	–	16	–	9.3	0.234	1.2	0.089 x4	1.4 x4
FBA50A2VEB	x3	RZAG125N7Y1B			(12.0)*	–	16	–	10.3	0.234	1.2	0.089 x3	1.4 x3
FBA60A2VEB	x2	RZAG125N7Y1B			(13.5)*	–	16	–	11.8	0.234	1.2	0.070 x2	1.3 x2
FBA125A2VEB		RZAG125N7Y1B			(13.5)*	–	16	–	11.8	0.234	1.2	0.187	3.9
FNA35A2VEB	x4	RZAG125N7Y1B			13.0	–	16	–	9.3	0.234	1.2	0.034 x4	0.5 x4
FNA50A2VEB	x3	RZAG125N7Y1B			13.5	–	16	–	10.3	0.234	1.2	0.060 x3	0.5 x3
FNA60A2VEB	x2	RZAG125N7Y1B			14.8	–	16	–	11.8	0.234	1.2	0.060 x2	0.6 x2
FUA125AVEB		RZAG125N7Y1B			15.0	–	16	–	11.8	0.234	1.2	0.106	1.4
FDA125A5VEB		RZAG125N7Y1B			15.7	–	16	–	11.8	0.234	1.2	0.350	2.1
FVA125AMVEB		RZAG125N7Y1B			15.1	–	16	–	11.8	0.234	1.2	0.238	1.5
FDXM35F3V1B	x4	RZAG125N7Y1B			12.2	–	16	–	9.3	0.234	1.2	0.034 x4	0.3 x4
FDXM50F3V1B	x3	RZAG125N7Y1B			14.8	–	16	–	10.3	0.234	1.2	0.060 x3	0.9 x3
FDXM60F3V1B	x2	RZAG125N7Y1B			15.4	–	16	–	11.8	0.234	1.2	0.060 x2	0.9 x2
FHA35AVEB	x4	RZAG125N7Y1B			13.4	–	16	–	9.3	0.234	1.2	0.060 x4	0.6 x4
FHA50AVEB	x3	RZAG125N7Y1B			13.8	–	16	–	10.3	0.234	1.2	0.060 x3	0.6 x3
FHA60AVEB	x2	RZAG125N7Y1B			14.8	–	16	–	11.8	0.234	1.2	0.091 x2	0.6 x2
FHA125AVEB		RZAG125N7Y1B			15.1	–	16	–	11.8	0.234	1.2	0.150	1.5
FCAHG71HVEB	x2	RZAG140N7Y1B	3N~ 50Hz 380-415V	Minimum: ·342 V· Maximum ·457 V·	15.0	–	16	–	11.6	0.234	1.4	0.091 x2	0.7 x2
FCAHG140HVEB		RZAG140N7Y1B			15.0	–	16	–	11.6	0.234	1.4	0.244	1.4
FCAG35BVEB	x4	RZAG140N7Y1B			12.2	–	16	–	9.1	0.234	1.4	0.044 x4	0.3 x4
FCAG50BVEB	x3	RZAG140N7Y1B			12.9	–	16	–	10.1	0.234	1.4	0.039 x3	0.3 x3
FCAG71BVEB	x2	RZAG140N7Y1B			14.4	–	16	–	11.6	0.234	1.4	0.054 x2	0.4 x2
FCAG140BVEB		RZAG140N7Y1B			14.9	–	16	–	11.6	0.234	1.4	0.168	1.3
FFA35A2VEB	x4	RZAG140N7Y1B			11.8	–	16	–	9.1	0.234	1.4	0.050 x4	0.2 x4
FFA50A2VEB	x3	RZAG140N7Y1B			13.2	–	16	–	10.1	0.234	1.4	0.050 x3	0.4 x3
FBA35A2VEB	x4	RZAG140N7Y1B			(10.9)*	–	16	–	9.1	0.234	1.4	0.089 x4	1.4 x4
FBA50A2VEB	x3	RZAG140N7Y1B			(12.0)*	–	16	–	10.1	0.234	1.4	0.089 x3	1.4 x3
FBA71A2VEB	x2	RZAG140N7Y1B			(13.5)*	–	16	–	11.6	0.234	1.4	0.070 x2	1.3 x2
FBA140A2VEB		RZAG140N7Y1B			(13.5)*	–	16	–	11.6	0.234	1.4	0.187	3.9
FNA35A2VEB	x4	RZAG140N7Y1B			13.0	–	16	–	9.1	0.234	1.4	0.034 x4	0.5 x4
FNA50A2VEB	x3	RZAG140N7Y1B			13.5	–	16	–	10.1	0.234	1.4	0.060 x3	0.5 x3
FUA71AVEB	x2	RZAG140N7Y1B			15.4	–	16	–	11.6	0.234	1.4	0.046 x2	0.9 x2
FAA71AUVEB	x2	RZAG140N7Y1B			14.6	–	16	–	11.6	0.234	1.4	0.048 x2	0.5 x2
FVA71AMVEB	x2	RZAG140N7Y1B			15.2	–	16	–	11.6	0.234	1.4	0.117 x2	0.8 x2
FVA140AMVEB		RZAG140N7Y1B			15.4	–	16	–	11.6	0.234	1.4	0.276	1.8
FDXM35F3V1B	x4	RZAG140N7Y1B			12.2	–	16	–	9.1	0.234	1.4	0.034 x4	0.3 x4
FDXM50F3V1B	x3	RZAG140N7Y1B			14.8	–	16	–	10.1	0.234	1.4	0.060 x3	0.9 x3
FHA35AVEB	x4	RZAG140N7Y1B			13.4	–	16	–	9.1	0.234	1.4	0.060 x4	0.6 x4
FHA50AVEB	x3	RZAG140N7Y1B			13.8	–	16	–	10.1	0.234	1.4	0.060 x3	0.6 x3
FHA71AVEB	x2	RZAG140N7Y1B			15.2	–	16	–	11.6	0.234	1.4	0.091 x2	0.8 x2
FHA140AVEB		RZAG140N7Y1B			15.4	–	16	–	11.6	0.234	1.4	0.150	1.8

* Use a separate power supply for the indoor unit. The value between brackets is the MCA of the outdoor unit. For the MCA of the indoor unit, see the installation manual of the indoor unit.

RZAG125-140NY1 3D120943

RZAG-NV1/NY1

Symbols		Notes
MCA	Minimum Circuit Ampere [A]	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
TOCA	Total overcurrent amps [A]	2 ·TOCA· is the total value of each overcurrent set.
MFA	Maximum Fuse Ampere [A]	3 Voltage range
MSC	Maximum current of the starting compressor [A]	4 The maximum allowable voltage that is unbalanced between phases is ·2·%.
RLA	Rated load amps [A]	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.
OFM	Outdoor fan motor	6 Select the wire size according to the MCA.
IFM	Indoor fan motor	7 ·MFA· is used to select the circuit breaker and the ground fault circuit interruptor. Earth leakage circuit breaker
FLA	Full Load Ampere [A]	
kW	Fan motor rated output [kW]	

3D120943

RZAG71-100NV1 INFRASTRUCTURE COOLING

									Compressor		OFM		IFM	
Indoor		Outdoor	Power supply	Voltage range		MCA	TOCA	MFA	MSC	RLA	kW	FLA	kW	FLA
FCAHG100HVEB		RZAG71N7V1B	50Hz ~ 220-240V	Minimum: ·198 V·	Maximum ·264 V·	18.3	–	20	–	15.5	0.234	0.8	0.221	1.3
FCAG35BVEB	x3	RZAG71N7V1B				17.9	–	20	–	15.5	0.234	0.8	0.044 x3	0.3 x3
FCAG50BVEB	x2	RZAG71N7V1B				17.6	–	20	–	15.5	0.234	0.8	0.039 x2	0.3 x2
FCAG100BVEB		RZAG71N7V1B				17.7	–	20	–	15.5	0.234	0.8	0.117	0.7
FFA35A2VEB	x3	RZAG71N7V1B				17.6	–	20	–	15.5	0.234	0.8	0.050 x3	0.2 x3
FFA50A2VEB	x2	RZAG71N7V1B				17.8	–	20	–	15.5	0.234	0.8	0.050 x2	0.4 x2
FBA35A2VEB	x3	RZAG71N7V1B				21.3	–	20	–	15.5	0.234	0.8	0.089 x3	1.4 x3
FBA50A2VEB	x2	RZAG71N7V1B				19.9	–	20	–	15.5	0.234	0.8	0.089 x2	1.4 x2
FBA100A2VEB		RZAG71N7V1B				20.6	–	20	–	15.5	0.234	0.8	0.127	3.5
FUA100AVEB		RZAG71N7V1B				18.3	–	20	–	15.5	0.234	0.8	0.106	1.3
FAA100AUVEB		RZAG71N7V1B				17.5	–	20	–	15.5	0.234	0.8	0.064	0.5
FVA100AMVEB		RZAG71N7V1B				18.5	–	20	–	15.5	0.234	0.8	0.238	1.5
FDXM35F3V1B	x3	RZAG71N7V1B				17.9	–	20	–	15.5	0.234	0.8	0.034 x3	0.3 x3
FDXM50F3V1B	x2	RZAG71N7V1B				18.8	–	20	–	15.5	0.234	0.8	0.060 x2	0.9 x2
FHA35AVEB	x3	RZAG71N7V1B				18.8	–	20	–	15.5	0.234	0.8	0.060 x3	0.6 x3
FHA50AVEB	x2	RZAG71N7V1B				18.2	–	20	–	15.5	0.234	0.8	0.060 x2	0.6 x2
FHA100AVEB		RZAG71N7V1B				18.3	–	20	–	15.5	0.234	0.8	0.15	1.3
FCAHG71HVEB	x2	RZAG100N7V1B	50Hz ~ 220-240V	Minimum: ·198 V·	Maximum ·264 V·	22.3	–	32	–	18.8	0.234	1.2	0.091 x2	0.7 x2
FCAHG140HVEB		RZAG100N7V1B				22.3	–	32	–	18.8	0.234	1.2	0.244	1.4
FCAG35BVEB x4		RZAG100N7V1B				22.0	–	32	–	18.8	0.234	1.2	0.044 x4	0.3 x4
FCAG50BVEB	x3	RZAG100N7V1B				21.7	–	32	–	18.8	0.234	1.2	0.039 x3	0.3 x3
FCAG71BVEB	x2	RZAG100N7V1B				21.6	–	32	–	18.8	0.234	1.2	0.054 x2	0.4 x2
FCAG140BVEB		RZAG100N7V1B				22.2	–	32	–	18.8	0.234	1.2	0.168	1.3
FFA35A2VEB x4		RZAG100N7V1B				21.6	–	32	–	18.8	0.234	1.2	0.050 x4	0.8
FFA50A2VEB	x3	RZAG100N7V1B				22.0	–	32	–	18.8	0.234	1.2	0.050 x3	0.4 x3
FBA35A2VEB x4		RZAG100N7V1B				26.6	–	32	–	18.8	0.234	1.2	0.089 x4	1.4 x4
FBA50A2VEB	x3	RZAG100N7V1B				25.2	–	32	–	18.8	0.234	1.2	0.089 x3	1.4 x3
FBA71A2VEB	x2	RZAG100N7V1B				23.5	–	32	–	18.8	0.234	1.2	0.07 x2	1.3 x2
FBA140A2VEB		RZAG100N7V1B				24.9	–	32	–	18.8	0.234	1.2	0.187	3.9
FUA71AVEB	x2	RZAG100N7V1B				22.7	–	32	–	18.8	0.234	1.2	0.046 x2	0.9 x2
FAA71AUVEB	x2	RZAG100N7V1B				21.8	–	32	–	18.8	0.234	1.2	0.048 x2	0.5 x2
FVA140AMVEB		RZAG100N7V1B				22.7	–	32	–	18.8	0.234	1.2	0.276	1.8
FDXM35F3V1B x4		RZAG100N7V1B				22.0	–	32	–	18.8	0.234	1.19523	0.034 x4	0.3 x4
FDXM50F3V1B	x3	RZAG100N7V1B				23.6	–	32	–	18.8	0.234	1.19523	0.060 x3	0.9 x3
FHA35AVEB x4		RZAG100N7V1B				23.3	–	32	–	18.8	0.234	1.19523	0.060 x4	0.6 x4
FHA50AVEB	x3	RZAG100N7V1B				22.7	–	32	–	18.8	0.234	1.19523	0.060 x3	0.6 x3
FHA71AVEB	x2	RZAG100N7V1B				22.5	–	32	–	18.8	0.234	1.19523	0.091 x2	0.8 x2
FHA140AVEB		RZAG100N7V1B				22.7	–	32	–	18.8	0.234	1.19523	0.15	1.8

RZAG71-100NV1

3D120944

VIEW ALL RZAG-NV1 TECHNICAL DRAWINGS ON MY.DAIKIN.EU

VIEW ALL RZAG-NY1 TECHNICAL DRAWINGS ON MY.DAIKIN.EU

RZAG125-140NV1 INFRASTRUCTURE COOLING

									Compressor		OFM		IFM	
Indoor		Outdoor	Power supply	Voltage range		MCA	TOCA	MFA	MSC	RLA	kW	FLA	kW	FLA
FCAHG71HVEB	x2	RZAG125N7V1B	50Hz ~ 220-240V	Minimum: ·198 V·	Maximum ·264 V·	27.5	–	32	–	23.8	0.234	1.2	0.091 x2	0.7 x2
FCAHG140HVEB		RZAG125N7V1B				27.5	–	32	–	23.8	0.234	1.2	0.244	1.4
FCAG35BVEB	x4	RZAG125N7V1B				27.2	–	32	–	23.8	0.234	1.2	0.044 x4	0.3 x4
FCAG50BVEB	x3	RZAG125N7V1B				26.9	–	32	–	23.8	0.234	1.2	0.039 x3	0.3 x3
FCAG71BVEB	x2	RZAG125N7V1B				26.8	–	32	–	23.8	0.234	1.2	0.054 x2	0.4 x2
FCAG140BVEB		RZAG125N7V1B				27.4	–	32	–	23.8	0.234	1.2	0.168	1.3
FFA35A2VEB	x4	RZAG125N7V1B				26.8	–	32	–	23.8	0.234	1.2	0.050 x4	0.2 x4
FFA50A2VEB	x3	RZAG125N7V1B				27.2	–	32	–	23.8	0.234	1.2	0.050 x3	0.4 x3
FBA35A2VEB	x4	RZAG125N7V1B				31.8	–	32	–	23.8	0.234	1.2	0.089 x4	1.4 x4
FBA50A2VEB	x3	RZAG125N7V1B				30.4	–	32	–	23.8	0.234	1.2	0.089 x3	1.4 x3
FBA71A2VEB	x2	RZAG125N7V1B				28.7	–	32	–	23.8	0.234	1.2	0.07 x2	1.3 x2
FBA140A2VEB		RZAG125N7V1B				30.1	–	32	–	23.8	0.234	1.2	0.187	3.9
FUA71AVEB	x2	RZAG125N7V1B				27.9	–	32	–	23.8	0.234	1.2	0.046 x2	0.9 x2
FAA71AUVEB	x2	RZAG125N7V1B				27.0	–	32	–	23.8	0.234	1.2	0.048 x2	0.5 x2
FVA140AMVEB		RZAG125N7V1B				27.9	–	32	–	23.8	0.234	1.2	0.276	1.8
FDXM35F3V1B	x4	RZAG125N7V1B				27.2	–	32	–	23.8	0.234	1.2	0.034 x4	0.3 x4
FDXM50F3V1B	x3	RZAG125N7V1B				28.8	–	32	–	23.8	0.234	1.2	0.060 x3	0.9 x3
FHA35AVEB	x4	RZAG125N7V1B				28.5	–	32	–	23.8	0.234	1.2	0.060 x4	0.6 x4
FHA50AVEB	x3	RZAG125N7V1B				27.9	–	32	–	23.8	0.234	1.2	0.060 x3	0.6 x3
FHA71AVEB	x2	RZAG125N7V1B				27.7	–	32	–	23.8	0.234	1.2	0.091 x2	0.8 x2
FHA140AVEB		RZAG125N7V1B				27.9	–	32	–	23.8	0.234	1.2	0.15	1.8
FCAHG71HVEB	x2	RZAG140N7V1B	50Hz ~ 220-240V	Minimum: ·198 V·	Maximum ·264 V·	27.5	–	32	–	23.6	0.234	1.4	0.091 x2	0.7 x2
FCAHG140HVEB		RZAG140N7V1B				27.5	–	32	–	23.6	0.234	1.4	0.244	1.4
FCAG35BVEB	x4	RZAG140N7V1B				27.2	–	32	–	23.6	0.234	1.4	0.044 x4	0.3 x4
FCAG50BVEB	x3	RZAG140N7V1B				26.9	–	32	–	23.6	0.234	1.4	0.039 x3	0.3 x3
FCAG71BVEB	x2	RZAG140N7V1B				26.8	–	32	–	23.6	0.234	1.4	0.054 x2	0.4 x2
FCAG140BVEB		RZAG140N7V1B				27.4	–	32	–	23.6	0.234	1.4	0.168	1.3
FFA35A2VEB	x4	RZAG140N7V1B				26.8	–	32	–	23.6	0.234	1.4	0.050 x4	0.2 x4
FFA50A2VEB	x3	RZAG140N7V1B				27.2	–	32	–	23.6	0.234	1.4	0.050 x3	0.4 x3
FBA35A2VEB	x4	RZAG140N7V1B				31.8	–	32	–	23.6	0.234	1.4	0.089 x4	1.4 x4
FBA50A2VEB	x3	RZAG140N7V1B				30.4	–	32	–	23.6	0.234	1.4	0.089 x3	1.4 x3
FBA71A2VEB	x2	RZAG140N7V1B				28.7	–	32	–	23.6	0.234	1.4	0.07 x2	1.3 x2
FBA140A2VEB		RZAG140N7V1B				30.1	–	32	–	23.6	0.234	1.41271	0.187	3.9
FUA71AVEB	x2	RZAG140N7V1B				27.9	–	32	–	23.6	0.234	1.41271	0.046 x2	0.9 x2
FAA71AUVEB	x2	RZAG140N7V1B				27.0	–	32	–	23.6	0.234	1.41271	0.048 x2	0.5 x2
FVA140AMVEB		RZAG140N7V1B				27.9	–	32	–	23.6	0.234	1.41271	0.276	1.8
FDXM35F3V1B	x4	RZAG140N7V1B				27.2	–	32	–	23.6	0.234	1.41271	0.034 x4	0.3 x4
FDXM50F3V1B	x3	RZAG140N7V1B				28.8	–	32	–	23.6	0.234	1.41271	0.060 x3	0.9 x3
FHA35AVEB	x4	RZAG140N7V1B				28.5	–	32	–	23.6	0.234	1.41271	0.060 x4	0.6 x4
FHA50AVEB	x3	RZAG140N7V1B				27.9	–	32	–	23.6	0.234	1.41271	0.060 x3	0.6 x3
FHA71AVEB	x2	RZAG140N7V1B				27.7	–	32	–	23.6	0.234	1.41271	0.091 x2	0.8 x2
FHA140AVEB		RZAG140N7V1B				27.9	–	32	–	23.6	0.234	1.41271	0.15	1.8

RZAG125-140NV1 3D120944

RZAG71-100NY1 INFRASTRUCTURE COOLING

									Compressor		OFM		IFM	
Indoor		Outdoor	Power supply	Voltage range		MCA	TOCA	MFA	MSC	RLA	kW	FLA	kW	FLA
FCAHG100HVEB		RZAG71N7Y1B	3N~ 50Hz 380-415V	Minimum: ·342 V·	Maximum ·456 V·	11.8	–	16	–	9.2	0.234	0.8	0.221	1.3
FCAG35BVEB	x3	RZAG71N7Y1B				11.3	–	16	–	9.2	0.234	0.8	0.044 x3	0.3 x3
FCAG50BVEB	x2	RZAG71N7Y1B				11.0	–	16	–	9.2	0.234	0.8	0.039 x2	0.3 x2
FCAG100BVEB		RZAG71N7Y1B				11.1	–	16	–	9.2	0.234	0.8	0.117	0.7
FFA35A2VEB	x3	RZAG71N7Y1B				11.0	–	16	–	9.2	0.234	0.8	0.050 x3	0.2 x3
FFA50A2VEB	x2	RZAG71N7Y1B				11.2	–	16	–	9.2	0.234	0.8	0.050 x2	0.4 x2
FBA35A2VEB	x3	RZAG71N7Y1B				(10.4)*	–	16	–	9.2	0.234	0.8	0.089 x3	1.4 x3
FBA50A2VEB	x2	RZAG71N7Y1B				(10.4)*	–	16	–	9.2	0.234	0.8	0.089 x2	1.4 x2
FBA100A2VEB		RZAG71N7Y1B				(10.4)*	–	16	–	9.2	0.234	0.8	0.127	3.5
FUA100AVEB		RZAG71N7Y1B				11.8	–	16	–	9.2	0.234	0.8	0.106	1.3
FAA100AUVEB		RZAG71N7Y1B				10.9	–	16	–	9.2	0.234	0.8	0.064	0.5
FVA100AMVEB		RZAG71N7Y1B				12.0	–	16	–	9.2	0.234	0.8	0.238	1.5
FDXM35F3V1B	x3	RZAG71N7Y1B				11.3	–	16	–	9.2	0.234	0.8	0.034 x3	0.3 x3
FDXM50F3V1B	x2	RZAG71N7Y1B				12.3	–	16	–	9.2	0.234	0.8	0.060 x2	0.9 x2
FHA35AVEB	x3	RZAG71N7Y1B				12.3	–	16	–	9.2	0.234	0.8	0.060 x3	0.6 x3
FHA50AVEB	x2	RZAG71N7Y1B				11.6	–	16	–	9.2	0.234	0.8	0.060 x2	0.6 x2
FHA100AVEB		RZAG71N7Y1B				11.8	–	16	–	9.2	0.234	0.8	0.15	1.3
FCAHG71HVEB	x2	RZAG100N7Y1B	3N~ 50Hz 380-415V	Minimum: ·342 V·	Maximum ·456 V·	13.5	–	16	–	10.4	0.234	1.2	0.091 x2	0.7 x2
FCAHG140HVEB		RZAG100N7Y1B				15.0	–	16	–	11.8	0.234	1.2	0.244	1.4
FCAG35BVEB x4		RZAG100N7Y1B				13.3	–	16	–	10.4	0.234	1.2	0.044 x4	0.3 x4
FCAG50BVEB	x3	RZAG100N7Y1B				13.0	–	16	–	10.4	0.234	1.2	0.039 x3	0.3 x3
FCAG71BVEB	x2	RZAG100N7Y1B				12.9	–	16	–	10.4	0.234	1.2	0.054 x2	0.4 x2
FCAG140BVEB		RZAG100N7Y1B				14.9	–	16	–	11.8	0.234	1.2	0.168	1.3
FFA35A2VEB x4		RZAG100N7Y1B				12.9	–	16	–	10.4	0.234	1.2	0.050 x4	0.8
FFA50A2VEB	x3	RZAG100N7Y1B				13.3	–	16	–	10.4	0.234	1.2	0.050 x3	0.4 x3
FBA35A2VEB x4		RZAG100N7Y1B				(12.1)*	–	16	–	10.4	0.234	1.2	0.089 x4	1.4 x4
FBA50A2VEB	x3	RZAG100N7Y1B				(12.1)*	–	16	–	10.4	0.234	1.2	0.089 x3	1.4 x3
FBA71A2VEB	x2	RZAG100N7Y1B				(12.1)*	–	16	–	10.4	0.234	1.2	0.07 x2	1.3 x2
FBA140A2VEB		RZAG100N7Y1B				(13.5)*	–	16	–	11.8	0.234	1.2	0.187	3.9
FUA71AVEB	x2	RZAG100N7Y1B				13.9	–	16	–	10.4	0.234	1.2	0.046 x2	0.9 x2
FAA71AUVEB	x2	RZAG100N7Y1B				13.1	–	16	–	10.4	0.234	1.2	0.048 x2	0.5 x2
FVA140AMVEB		RZAG100N7Y1B				15.4	–	16	–	11.8	0.234	1.2	0.276	1.8
FDXM35F3V1B x4		RZAG100N7Y1B				13.3	–	16	–	10.4	0.234	1.19523	0.034 x4	0.3 x4
FDXM50F3V1B	x3	RZAG100N7Y1B				14.9	–	16	–	10.4	0.234	1.19523	0.060 x3	0.9 x3
FHA35AVEB x4		RZAG100N7Y1B				14.6	–	16	–	10.4	0.234	1.19523	0.060 x4	0.6 x4
FHA50AVEB	x3	RZAG100N7Y1B				13.9	–	16	–	10.4	0.234	1.19523	0.060 x3	0.6 x3
FHA71AVEB	x2	RZAG100N7Y1B				13.7	–	16	–	10.4	0.234	1.19523	0.091 x2	0.8 x2
FHA140AVEB		RZAG100N7Y1B				15.4	–	16	–	11.8	0.234	1.19523	0.15	1.8

* Use a separate power supply for the indoor unit. The value between brackets is the MCA of the indoor unit. For the actual MCA value, see the installation manual of the indoor unit.

RZAG71-100NY1 3D120944

RZAG125-140NY1 INFRASTRUCTURE COOLING

									Compressor		OFM		IFM	
Indoor		Outdoor	Power supply	Voltage range		MCA	TOCA	MFA	MSC	RLA	kW	FLA	kW	FLA
FCAHG71HVEB	x2	RZAG125N7Y1B	3N~ 50Hz 380-415V	Minimum: ·342 V·	Maximum ·456 V·	15.0	–	16	–	11.8	0.234	1.2	0.091 x2	0.7 x2
FCAHG140HVEB		RZAG125N7Y1B				15.0	–	16	–	11.8	0.234	1.2	0.244	1.4
FCAG35BVEB	x4	RZAG125N7Y1B				12.2	–	16	–	9.3	0.234	1.2	0.044 x4	0.3 x4
FCAG50BVEB	x3	RZAG125N7Y1B				12.9	–	16	–	10.3	0.234	1.2	0.039 x3	0.3 x3
FCAG71BVEB	x2	RZAG125N7Y1B				14.4	–	16	–	11.8	0.234	1.2	0.054 x2	0.4 x2
FCAG140BVEB		RZAG125N7Y1B				14.9	–	16	–	11.8	0.234	1.2	0.168	1.3
FFA35A2VEB	x4	RZAG125N7Y1B				11.8	–	16	–	9.3	0.234	1.2	0.050 x4	0.2 x4
FFA50A2VEB	x3	RZAG125N7Y1B				13.2	–	16	–	10.3	0.234	1.2	0.050 x3	0.4 x3
FBA35A2VEB	x4	RZAG125N7Y1B				(10.9)*	–	16	–	9.3	0.234	1.2	0.089 x4	1.4 x4
FBA50A2VEB	x3	RZAG125N7Y1B				(12.0)*	–	16	–	10.3	0.234	1.2	0.089 x3	1.4 x3
FBA71A2VEB	x2	RZAG125N7Y1B				(13.5)*	–	16	–	11.8	0.234	1.2	0.07 x2	1.3 x2
FBA140A2VEB		RZAG125N7Y1B				(13.5)*	–	16	–	11.8	0.234	1.2	0.187	3.9
FUA71AVEB	x2	RZAG125N7Y1B				15.4	–	16	–	11.8	0.234	1.2	0.046 x2	0.9 x2
FAA71AUVEB	x2	RZAG125N7Y1B				14.6	–	16	–	11.8	0.234	1.2	0.048 x2	0.5 x2
FVA140AMVEB		RZAG125N7Y1B				15.4	–	16	–	11.8	0.234	1.2	0.276	1.8
FDXM35F3V1B	x4	RZAG125N7Y1B				12.2	–	16	–	9.3	0.234	1.2	0.034 x4	0.3 x4
FDXM50F3V1B	x3	RZAG125N7Y1B				14.8	–	16	–	10.3	0.234	1.2	0.060 x3	0.9 x3
FHA35AVEB	x4	RZAG125N7Y1B				13.4	–	16	–	9.3	0.234	1.2	0.060 x4	0.6 x4
FHA50AVEB	x3	RZAG125N7Y1B				13.8	–	16	–	10.3	0.234	1.2	0.060 x3	0.6 x3
FHA71AVEB	x2	RZAG125N7Y1B				15.2	–	16	–	11.8	0.234	1.2	0.091 x2	0.8 x2
FHA140AVEB		RZAG125N7Y1B				15.4	–	16	–	11.8	0.234	1.2	0.15	1.8
FCAHG71HVEB	x2	RZAG140N7Y1B	3N~ 50Hz 380-415V	Minimum: ·342 V·	Maximum ·456 V·	15.0	–	16	–	11.6	0.234	1.4	0.091 x2	0.7 x2
FCAHG140HVEB		RZAG140N7Y1B				15.0	–	16	–	11.6	0.234	1.4	0.244	1.4
FCAG35BVEB	x4	RZAG140N7Y1B				12.2	–	16	–	9.1	0.234	1.4	0.044 x4	0.3 x4
FCAG50BVEB	x3	RZAG140N7Y1B				12.9	–	16	–	10.1	0.234	1.4	0.039 x3	0.3 x3
FCAG71BVEB	x2	RZAG140N7Y1B				14.4	–	16	–	11.6	0.234	1.4	0.054 x2	0.4 x2
FCAG140BVEB		RZAG140N7Y1B				14.9	–	16	–	11.6	0.234	1.4	0.168	1.3
FFA35A2VEB	x4	RZAG140N7Y1B				11.8	–	16	–	9.1	0.234	1.4	0.050 x4	0.2 x4
FFA50A2VEB	x3	RZAG140N7Y1B				13.2	–	16	–	10.1	0.234	1.4	0.050 x3	0.4 x3
FBA35A2VEB	x4	RZAG140N7Y1B				(10.9)*	–	16	–	9.1	0.234	1.4	0.089 x4	1.4 x4
FBA50A2VEB	x3	RZAG140N7Y1B				(12.0)*	–	16	–	10.1	0.234	1.4	0.089 x3	1.4 x3
FBA71A2VEB	x2	RZAG140N7Y1B				(13.5)*	–	16	–	11.6	0.234	1.4	0.07 x2	1.3 x2
FBA140A2VEB		RZAG140N7Y1B				(13.5)*	–	16	–	11.6	0.234	1.41271	0.187	3.9
FUA71AVEB	x2	RZAG140N7Y1B				15.4	–	16	–	11.6	0.234	1.41271	0.046 x2	0.9 x2
FAA71AUVEB	x2	RZAG140N7Y1B				14.6	–	16	–	11.6	0.234	1.41271	0.048 x2	0.5 x2
FVA140AMVEB		RZAG140N7Y1B				15.4	–	16	–	11.6	0.234	1.41271	0.276	1.8
FDXM35F3V1B	x4	RZAG140N7Y1B				12.2	–	16	–	9.1	0.234	1.41271	0.034 x4	0.3 x4
FDXM50F3V1B	x3	RZAG140N7Y1B				14.8	–	16	–	10.1	0.234	1.41271	0.060 x3	0.9 x3
FHA35AVEB	x4	RZAG140N7Y1B				13.4	–	16	–	9.1	0.234	1.41271	0.060 x4	0.6 x4
FHA50AVEB	x3	RZAG140N7Y1B				13.8	–	16	–	10.1	0.234	1.41271	0.060 x3	0.6 x3
FHA71AVEB	x2	RZAG140N7Y1B				15.2	–	16	–	11.6	0.234	1.41271	0.091 x2	0.8 x2
FHA140AVEB		RZAG140N7Y1B				15.4	–	16	–	11.6	0.234	1.41271	0.15	1.8

* Use a separate power supply for the indoor unit. The value between brackets is the MCA of the indoor unit. For the actual MCA value, see the installation manual of the indoor unit.

RZAG125-140NY1

3D120944

RZAG-NV1/NY1

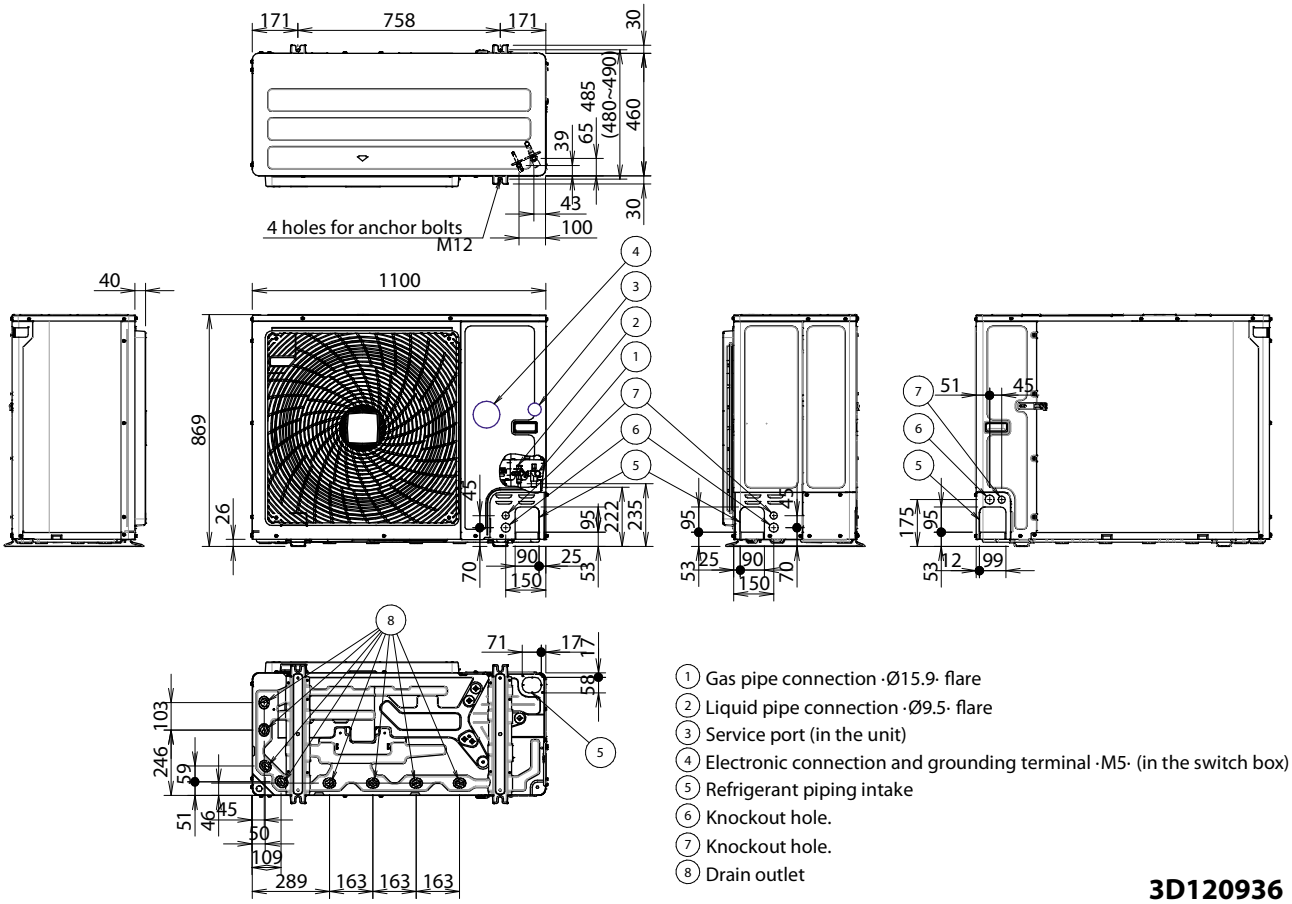
Symbols	Notes
MCA Minimum Circuit Ampere [A] TOCA Total overcurrent amps [A] MFA Maximum Fuse Ampere [A] MSC Maximum current of the starting compressor [A] RLA Rated load amps [A] OFM Outdoor fan motor IFM Indoor fan motor FLA Full Load Ampere [A] kW Fan motor rated output [kW]	1 The ·RLA· is based on 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

3D120944

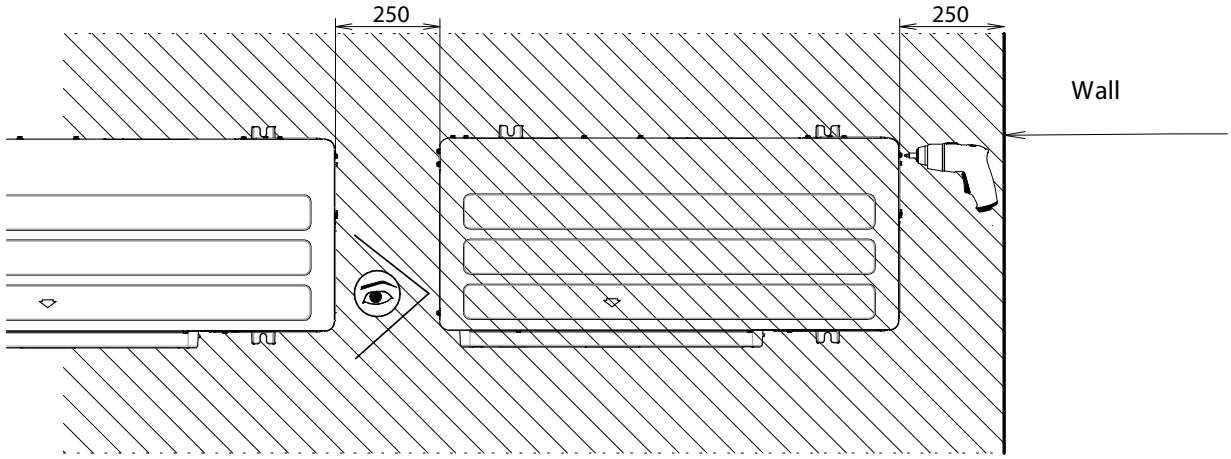
VIEW ALL RZAG-NV1 TECHNICAL DRAWINGS ON MY.DAIKIN.EU

VIEW ALL RZAG-NY1 TECHNICAL DRAWINGS ON MY.DAIKIN.EU

RZAG-NV1 / RZAG-NY1



RZAG-NV1/NY1
RZA-D



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

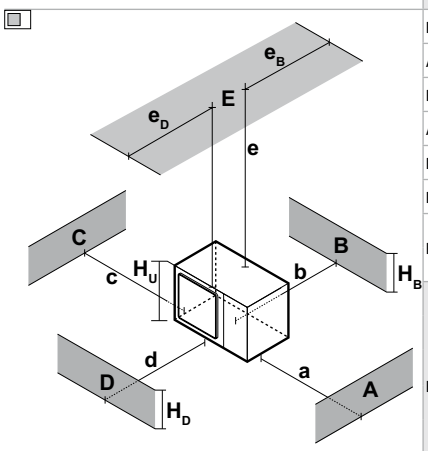
3D110012

VIEW ALL RZAG-NY1 TECHNICAL DRAWINGS ON MY.DAIKIN.EU

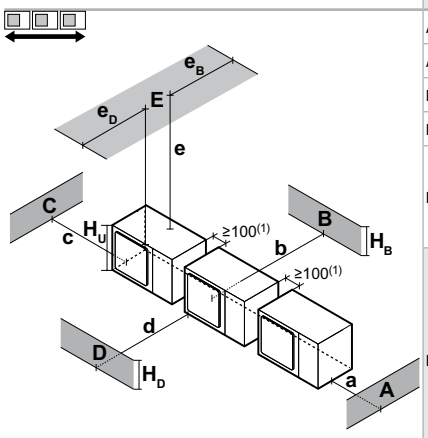
RZAG-NV1/NY1
RZA-D

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			≥1000		≤500	
A, B, C, E	—		≥150(1)	≥150	≥150		≥1000		≤500	
D	—					≥500				
D, E	—					≥500	≥1000	≥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	≥1000	≤500		1
		$½H_U<H_B≤H_U$		≥250		≥1000	≥1000	≤500		
		$H_B>H_U$	⊘							
	$H_D≤H_U$	$H_D≤½H_U$		≥100		≥1000	≥1000		≤500	
		$½H_U<H_D≤H_U$		≥200		≥1000	≥1000		≤500	
		$H_D>H_U$	⊘							



A~E	H_B H_D H_U		(mm) a	b	c	d	e	e_B	e_D	
A, B, C	—		≥200(1)	≥300	≥1000					
A, B, C, E	—		≥200(1)	≥300	≥1000		≥1000		≤500	
D	—					≥1000				
D, E	—					≥1000	≥1000	≤500		
B, D	$H_D>H_U$			≥300		≥1000				
	$H_D≤H_U$	$H_D≤½H_U$		≥250		≥1500				
		$½H_U<H_D≤H_U$		≥300		≥1500				
B, D, E	$H_D>H_U$	$H_B≤½H_U$		≥300		≥1000	≥1000	≤500		1+2
		$½H_U<H_B≤H_U$		≥300		≥1250	≥1000	≤500		
		$H_B>H_U$	⊘							
	$H_D≤H_U$	$H_D≤½H_U$		≥250		≥1500	≥1000		≤500	
		$½H_U<H_D≤H_U$		≥300		≥1500	≥1000		≤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

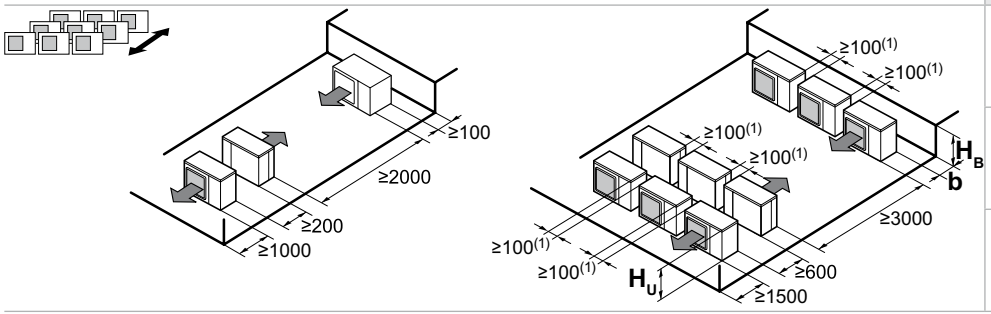
1D128513

VIEW ALL RZAG-NV1 TECHNICAL DRAWINGS ON MY.DAIKIN.EU

VIEW ALL RZAG-NY1 TECHNICAL DRAWINGS ON MY.DAIKIN.EU

RZAG-NV1/NY1
RZA-D

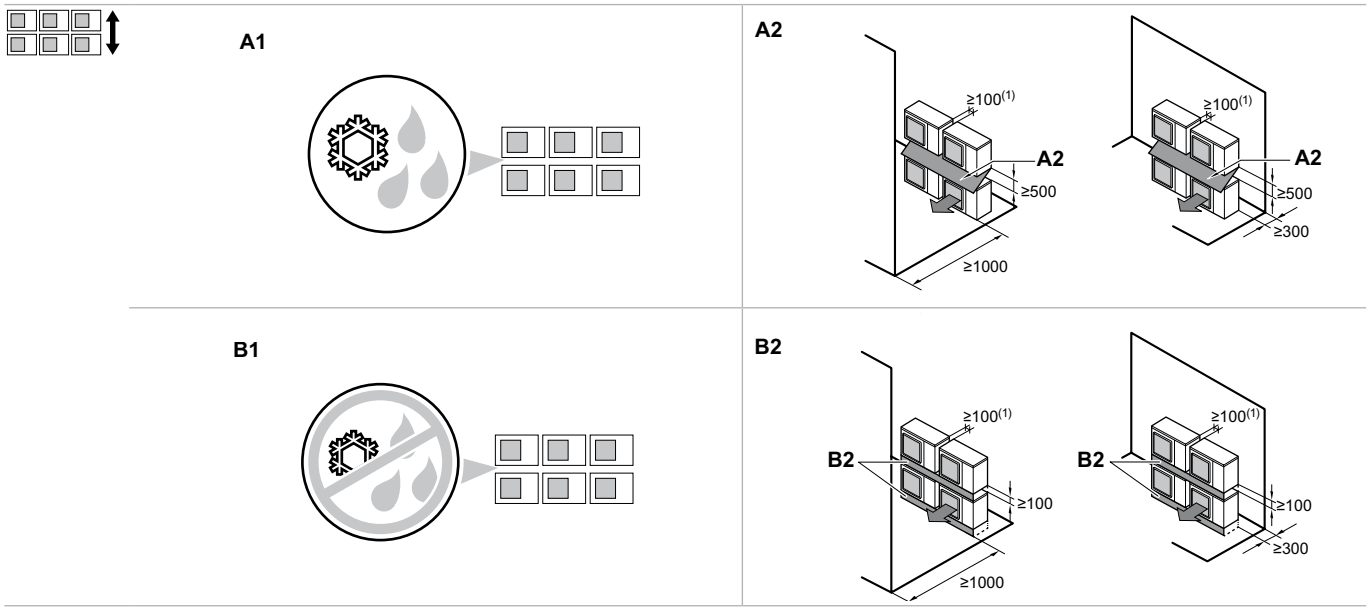
Multiple rows of units ( )



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.

1D128513

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 piping size:

	L1 (m)				
L1 (standard):	**40~50 m**	**50~55 m**	**55~60 m**	**60~75 m**	**75~85 m**
R:	0.35 kg	0.7 kg [(a)] 0.55 kg [(b)]	0.7 kg [(a)]	1.05 kg [(a)]	1.55 kg [(a)]

(a) Only for RZAG100~140.

(b) Only for RZAG71.

Size-up piping size:

	L1 (m)			
L1 (size-up):	**15~20 m**	**20~25 m**	**20~25 m**	**30~35 m**
R:	0.35 kg	0.7 kg	1.05 kg [(a)]	1.4 kg [(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.

In case of **standard** liquid pipe size:

	Length					
	0~10 m	**10~15 m**	**15~20 m**	**20~30 m**	**30~40 m**	**40~45 m**
R1:	0.35 kg	0.7 kg [(a)] 0.55 kg [(b)]	0.7 kg [(a)]	1.05 kg[(a)]	1.4 kg[(a)]	1.55 kg [(a)]
R2:	0.2 kg	0.4 kg	0.4 kg	0.6 kg	0.8 kg[(a)]	1 kg [(a)]

In case of **size-up** liquid pipe size:

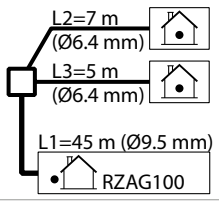
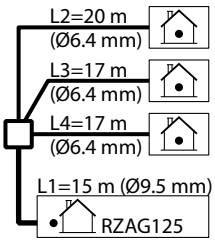
	Length						
	0~5 m	**5~10 m**	**10~15 m**	**15~20 m**	**20~30 m**	**30~40m**	**40~45m**
R1:	0.35 kg	0.7 kg	1.05 kg [(a)]	1.4 kg [(a)]	-	-	-
R2:	0.35 kg		0.7 kg [(a)]		1.05 kg [(a)]	1.4 kg [(a)]	-

(a) Only for RZAG100~140.

(b) Only for RZAG125-140.

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=2 9 m => R2=0.6 kg
	3.	R	R=R1+R2=0.0+0.6=0.6 kg

VIEW ALL RZASG-MV1 TECHNICAL DRAWINGS ON MY.DAIKIN.EU

RZASG71-100MV1

									Compressor		OFM		IFM	
Indoor		Outdoor	Power supply	Voltage range		MCA	TOCA	MFA	MSC	RLA	kW	FLA	kW	FLA
FCAG35BVEB	x2	RZASG71M2V1B				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	0.070	0.5
FNA35A2VEB	x2	RZASG71M2V1B	50Hz ~	Minimum:	Maximum	17.3	–	20	–	15.4	0.094	0.9	0.034 x2	0.3
FUA71AVEB		RZASG71M2V1B	220-240V	·198 V·	·264 V·	17.9	–	20	–	15.4	0.094	0.9	0.046	0.9
FAA71AUVEB		RZASG71M2V1B				17.4	–	20	–	15.4	0.094	0.9	0.048	0.4
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
FHA35AVEB	x2	RZASG71M2V1B				18.2	–	20	–	15.4	0.094	0.9	0.060 x2	0.6 x2
FHA71AVEB		RZASG71M2V1B				17.8	–	20	–	15.4	0.094	0.9	0.091	0.8
FCAG35BVEB	x3	RZASG100M7V1B				21.7	–	25	–	19.0	0.200	1.0	0.044 x3	0.3 x3
FCAG50BVEB	x2	RZASG100M7V1B				21.4	–	25	–	19.0	0.200	1.0	0.039 x2	0.3 x2
FCAG100BVEB		RZASG100M7V1B				21.5	–	25	–	19.0	0.200	1.0	0.117	0.7
FFA35A2VEB	x3	RZASG100M7V1B				22.0	–	25	–	19.0	0.200	1.0	0.050 x3	0.4 x3
FFA50A2VEB	x2	RZASG100M7V1B				21.6	–	25	–	19.0	0.200	1.0	0.050 x2	0.4 x2
FBA35A2VEB	x3	RZASG100M7V1B				22.7	–	25	–	19.0	0.200	1.0	0.089 x3	0.6 x3
FBA50A2VEB	x2	RZASG100M7V1B				22.0	–	25	–	19.0	0.200	1.0	0.089 x2	0.6 x2
FBA100A2VEB		RZASG100M7V1B				21.8	–	25	–	19.0	0.200	1.0	0.127	1.0
FNA35A2VEB	x3	RZASG100M7V1B	50Hz ~	Minimum:	Maximum	21.7	–	25	–	19.0	0.200	1.0	0.034 x3	0.3 x3
FNA50A2VEB	x2	RZASG100M7V1B	220-240V	·198 V·	·264 V·	21.8	–	25	–	19.0	0.200	1.0	0.060 x2	0.5 x2
FUA100AVEB		RZASG100M7V1B				22.2	–	25	–	19.0	0.200	1.0	0.106	1.3
FAA100AUVEB		RZASG100M7V1B				21.2	–	25	–	19.0	0.200	1.0	0.064	0.4
FVA100AMVEB		RZASG100M7V1B				22.0	–	25	–	19.0	0.200	1.0	0.238	1.2
FDXM35F3V1B	x3	RZASG100M7V1B				21.7	–	25	–	19.0	0.200	1.0	0.034 x3	0.3 x3
FDXM50F3V1B	x2	RZASG100M7V1B				21.8	–	25	–	19.0	0.200	1.0	0.060 x2	0.5 x2
FHA35AVEB	x3	RZASG100M7V1B				22.7	–	25	–	19.0	0.200	1.0	0.060 x3	0.6 x3
FHA50AVEB	x2	RZASG100M7V1B				22.0	–	25	–	19.0	0.200	1.0	0.060 x2	0.6 x2
FHA100AVEB		RZASG100M7V1B				22.2	–	25	–	19.0	0.200	1.0	0.150	1.3

RZASG71-100MV1 3D110014D

RZASG125-140MV1

									Compressor		OFM		IFM	
Indoor		Outdoor	Power supply	Voltage range		MCA	TOCA	MFA	MSC	RLA	kW	FLA	kW	FLA
FCAG35BVEB	x4	RZASG125M7V1B				28.0	–	32	–	24.7	0.200	1.0	0.044 x4	0.3 x4
FCAG50BVEB	x3	RZASG125M7V1B				27.7	–	32	–	24.7	0.200	1.0	0.039 x3	0.3 x3
FCAG60BVEB	x2	RZASG125M7V1B				27.4	–	32	–	24.7	0.200	1.0	0.044 x2	0.3 x2
FCAG125BVEB		RZASG125M7V1B				27.8	–	32	–	24.7	0.200	1.0	0.168	1.0
FFA35A2VEB	x4	RZASG125M7V1B				28.4	–	32	–	24.7	0.200	1.0	0.050 x4	0.4 x4
FFA50A2VEB	x3	RZASG125M7V1B				28.0	–	32	–	24.7	0.200	1.0	0.050 x3	0.4 x3
FFA60A2VEB	x2	RZASG125M7V1B				28.0	–	32	–	24.7	0.200	1.0	0.050 x2	0.6 x2
FBA35A2VEB	x4	RZASG125M7V1B				29.2	–	32	–	24.7	0.200	1.0	0.089 x4	0.6 x4
FBA50A2VEB	x3	RZASG125M7V1B				28.6	–	32	–	24.7	0.200	1.0	0.089 x3	0.6 x3
FBA60A2VEB	x2	RZASG125M7V1B				27.8	–	32	–	24.7	0.200	1.0	0.070 x2	0.5 x2
FBA125A2VEB		RZASG125M7V1B				28.3	–	32	–	24.7	0.200	1.0	0.187	1.5
FNA35A2VEB	x4	RZASG125M7V1B	50Hz ~	Minimum:	Maximum	28.0	–	32	–	24.7	0.200	1.0	0.034 x4	0.3 x4
FNA50A2VEB	x3	RZASG125M7V1B	220-240V	·198 V·	·264 V·	28.3	–	32	–	24.7	0.200	1.0	0.060 x3	0.5 x3
FNA60A2VEB	x2	RZASG125M7V1B				27.8	–	32	–	24.7	0.200	1.0	0.060 x2	0.5 x2
FUA125AVEB		RZASG125M7V1B				28.2	–	32	–	24.7	0.200	1.0	0.106	1.4
FDA125A5VEB		RZASG125M7V1B				28.9	–	32	–	24.7	0.200	1.0	0.350	2.1
FVA125AMVEB		RZASG125M7V1B				28.0	–	32	–	24.7	0.200	1.0	0.238	1.2
FDXM35F3V1B	x4	RZASG125M7V1B				28.0	–	32	–	24.7	0.200	1.0	0.034 x4	0.3 x4
FDXM50F3V1B	x3	RZASG125M7V1B				28.3	–	32	–	24.7	0.200	1.0	0.060 x3	0.5 x3
FDXM60F3V1B	x2	RZASG125M7V1B				27.8	–	32	–	24.7	0.200	1.0	0.060 x2	0.5 x2
FHA35AVEB	x4	RZASG125M7V1B				29.2	–	32	–	24.7	0.200	1.0	0.060 x4	0.6 x4
FHA50AVEB	x3	RZASG125M7V1B				28.6	–	32	–	24.7	0.200	1.0	0.060 x3	0.6 x3
FHA60AVEB	x2	RZASG125M7V1B				28.0	–	32	–	24.7	0.200	1.0	0.091 x2	0.6 x2
FHA125AVEB		RZASG125M7V1B				28.3	–	32	–	24.7	0.200	1.0	0.150	1.5
FCAG35BVEB	x4	RZASG140M7V1B				27.2	–	32	–	24.0	0.200	1.0	0.044 x4	0.3 x4
FCAG50BVEB	x3	RZASG140M7V1B				26.9	–	32	–	24.0	0.200	1.0	0.039 x3	0.3 x3
FCAG71BVEB	x2	RZASG140M7V1B				26.8	–	32	–	24.0	0.200	1.0	0.054 x2	0.4 x2
FCAG140BVEB		RZASG140M7V1B				27.0	–	32	–	24.0	0.200	1.0	0.168	1.0
FFA35A2VEB	x4	RZASG140M7V1B				27.7	–	32	–	24.0	0.200	1.0	0.050 x4	0.4 x4
FFA50A2VEB	x3	RZASG140M7V1B				27.2	–	32	–	24.0	0.200	1.0	0.050 x3	0.4 x3
FBA35A2VEB	x4	RZASG140M7V1B				28.5	–	32	–	24.0	0.200	1.0	0.089 x4	0.6 x4
FBA50A2VEB	x3	RZASG140M7V1B				27.9	–	32	–	24.0	0.200	1.0	0.089 x3	0.6 x3
FBA71A2VEB	x2	RZASG140M7V1B				27.0	–	32	–	24.0	0.200	1.0	0.070 x2	0.5 x2
FBA140A2VEB		RZASG140M7V1B				27.6	–	32	–	24.0	0.200	1.0	0.187	1.5
FNA35A2VEB	x4	RZASG140M7V1B	50Hz ~	Minimum:	Maximum	27.2	–	32	–	24.0	0.200	1.0	0.034 x4	0.3 x4
FNA50A2VEB	x3	RZASG140M7V1B	220-240V	·198 V·	·264 V·	27.6	–	32	–	24.0	0.200	1.0	0.060 x3	0.5 x3
FUA71AVEB	x2	RZASG140M7V1B				27.9	–	32	–	24.0	0.200	1.0	0.046 x2	0.9 x2
FAA71AUVEB	x2	RZASG140M7V1B				26.8	–	32	–	24.0	0.200	1.0	0.048 x2	0.4 x2
FVA71AMVEB	x2	RZASG140M7V1B				27.2	–	32	–	24.0	0.200	1.0	0.117 x2	0.6 x2
FVA140AMVEB		RZASG140M7V1B				27.5	–	32	–	24.0	0.200	1.0	0.276	1.4
FDXM35F3V1B	x4	RZASG140M7V1B				27.2	–	32	–	24.0	0.200	1.0	0.034 x4	0.3 x4
FDXM50F3V1B	x3	RZASG140M7V1B				27.6	–	32	–	24.0	0.200	1.0	0.060 x3	0.5 x3
FHA35AVEB	x4	RZASG140M7V1B				28.5	–	32	–	24.0	0.200	1.0	0.060 x4	0.6 x4
FHA50AVEB	x3	RZASG140M7V1B				27.9	–	32	–	24.0	0.200	1.0	0.060 x3	0.6 x3
FHA71AVEB	x2	RZASG140M7V1B				27.7	–	32	–	24.0	0.200	1.0	0.091 x2	0.8 x2
FHA140AVEB		RZASG140M7V1B				27.9	–	32	–	24.0	0.200	1.0	0.150	1.8

RZASG125-140MV1 3D110014D

RZASG100MY1

Indoor		Outdoor	Power supply	Voltage range		MCA	TOCA	MFA	Compressor MSC	Compressor RLA	OFM kW	OFM FLA	IFM kW	IFM FLA
FCAG35BVEB	x3	RZASG100M7Y1B				13.0	–	16	–	10.6	0.200	1.0	0.044 x3	0.3 x3
FCAG50BVEB	x2	RZASG100M7Y1B				12.7	–	16	–	10.6	0.200	1.0	0.039 x2	0.3 x2
FCAG100BVEB		RZASG100M7Y1B				14.2	–	16	–	12.0	0.200	1.0	0.117	0.7
FFA35A2VEB	x3	RZASG100M7Y1B				13.3	–	16	–	10.6	0.200	1.0	0.050 x3	0.4 x3
FFA50A2VEB	x2	RZASG100M7Y1B				12.9	–	16	–	10.6	0.200	1.0	0.050 x2	0.4 x2
FBA35A2VEB	x3	RZASG100M7Y1B				13.9	–	16	–	10.6	0.200	1.0	0.089 x3	0.6 x3
FBA50A2VEB	x2	RZASG100M7Y1B				13.3	–	16	–	10.6	0.200	1.0	0.089 x2	0.6 x2
FBA100A2VEB		RZASG100M7Y1B				14.6	–	16	–	12.0	0.200	1.0	0.127	1.0
FNA35A2VEB	x3	RZASG100M7Y1B	3N~ 50Hz	Minimum:	Maximum	13.0	–	16	–	10.6	0.200	1.0	0.034 x3	0.3 x3
FNA50A2VEB	x2	RZASG100M7Y1B	380-415V	·342 V·	·456 V·	13.1	–	16	–	10.6	0.200	1.0	0.060 x2	0.5 x2
FUA100AVEB		RZASG100M7Y1B				14.9	–	16	–	12.0	0.200	1.0	0.106	1.3
FAA100AUVEB		RZASG100M7Y1B				13.9	–	16	–	12.0	0.200	1.0	0.064	0.4
FVA100AMVEB		RZASG100M7Y1B				14.8	–	16	–	12.0	0.200	1.0	0.238	1.2
FDXM35F3V1B	x3	RZASG100M7Y1B				13.0	–	16	–	10.6	0.200	1.0	0.034 x3	0.3 x3
FDXM50F3V1B	x2	RZASG100M7Y1B				13.1	–	16	–	10.6	0.200	1.0	0.060 x2	0.5 x2
FHA35AVEB	x3	RZASG100M7Y1B				13.9	–	16	–	10.6	0.200	1.0	0.060 x3	0.6 x3
FHA50AVEB	x2	RZASG100M7Y1B				13.3	–	16	–	10.6	0.200	1.0	0.060 x2	0.6 x2
FHA100AVEB		RZASG100M7Y1B				14.9	–	16	–	12.0	0.200	1.0	0.150	1.3

RZASG100MY1 3D110014D

RZASG125-140MY1

Indoor		Outdoor	Power supply	Voltage range		MCA	TOCA	MFA	Compressor MSC	Compressor RLA	OFM kW	OFM FLA	IFM kW	IFM FLA
FCAG35BVEB	x4	RZASG125M7Y1B				12,2	–	16	–	9,5	0,200	1,0	0.044 x4	0.3 x4
FCAG50BVEB	x3	RZASG125M7Y1B				13,0	–	16	–	10,6	0,200	1,0	0.039 x3	0.3 x3
FCAG60BVEB	x2	RZASG125M7Y1B				12,7	–	16	–	10,6	0,200	1,0	0.044 x2	0.3 x2
FCAG125BVEB		RZASG125M7Y1B				14,6	–	16	–	12,0	0,200	1,0	0,168	1,0
FFA35A2VEB	x4	RZASG125M7Y1B				12,6	–	16	–	9,5	0,200	1,0	0.050 x4	0.4 x4
FFA50A2VEB	x3	RZASG125M7Y1B				13,3	–	16	–	10,6	0,200	1,0	0.050 x3	0.4 x3
FFA60A2VEB	x2	RZASG125M7Y1B				13,3	–	16	–	10,6	0,200	1,0	0.050 x2	0.6 x2
FBA35A2VEB	x4	RZASG125M7Y1B				13,4	–	16	–	9,5	0,200	1,0	0.089 x4	0.6 x4
FBA50A2VEB	x3	RZASG125M7Y1B				13,9	–	16	–	10,6	0,200	1,0	0.089 x3	0.6 x3
FBA60A2VEB	x2	RZASG125M7Y1B				13,1	–	16	–	10,6	0,200	1,0	0.070 x2	0.5 x2
FBA125A2VEB		RZASG125M7Y1B				15,1	–	16	–	12,0	0,200	1,0	0,187	1,5
FNA35A2VEB	x4	RZASG125M7Y1B	3N~ 50Hz	Minimum:	Maximum	12,2	–	16	–	9,5	0,200	1,0	0.034 x4	0.3 x4
FNA50A2VEB	x3	RZASG125M7Y1B	380-415V	·342 V·	·456 V·	13,6	–	16	–	10,6	0,200	1,0	0.060 x3	0.5 x3
FNA60A2VEB	x2	RZASG125M7Y1B				13,1	–	16	–	10,6	0,200	1,0	0.060 x2	0.5 x2
FUA125AVEB		RZASG125M7Y1B				15,0	–	16	–	12,0	0,200	1,0	0,106	1,4
FDA125A5VEB		RZASG125M7Y1B				15,7	–	16	–	12,0	0,200	1,0	0,350	2,1
FVA125AMVEB		RZASG125M7Y1B				14,8	–	16	–	12,0	0,200	1,0	0,238	1,2
FDXM35F3V1B	x4	RZASG125M7Y1B				12,2	–	16	–	9,5	0,200	1,0	0.034 x4	0.3 x4
FDXM50F3V1B	x3	RZASG125M7Y1B				13,6	–	16	–	10,6	0,200	1,0	0.060 x3	0.5 x3
FDXM60F3V1B	x2	RZASG125M7Y1B				13,1	–	16	–	10,6	0,200	1,0	0.060 x2	0.5 x2
FHA35AVEB	x4	RZASG125M7Y1B				13,4	–	16	–	9,5	0,200	1,0	0.060 x4	0.6 x4
FHA50AVEB	x3	RZASG125M7Y1B				13,9	–	16	–	10,6	0,200	1,0	0.060 x3	0.6 x3
FHA60AVEB	x2	RZASG125M7Y1B				13,3	–	16	–	10,6	0,200	1,0	0.091 x2	0.6 x2
FHA125AVEB		RZASG125M7Y1B				15,1	–	16	–	12,0	0,200	1,0	0,150	1,5
FCAG35BVEB	x4	RZASG140M7Y1B				12,2	–	16	–	9,5	0,200	1,0	0.044 x4	0.3 x4
FCAG50BVEB	x3	RZASG140M7Y1B				12,9	–	16	–	10,5	0,200	1,0	0.039 x3	0.3 x3
FCAG71BVEB	x2	RZASG140M7Y1B				14,4	–	16	–	12,0	0,200	1,0	0.054 x2	0.4 x2
FCAG140BVEB		RZASG140M7Y1B				14,6	–	16	–	12,0	0,200	1,0	0,168	1,0
FFA35A2VEB	x4	RZASG140M7Y1B				12,6	–	16	–	9,5	0,200	1,0	0.050 x4	0.4 x4
FFA50A2VEB	x3	RZASG140M7Y1B				13,2	–	16	–	10,5	0,200	1,0	0.050 x3	0.4 x3
FBA35A2VEB	x4	RZASG140M7Y1B				13,4	–	16	–	9,5	0,200	1,0	0.089 x4	0.6 x4
FBA50A2VEB	x3	RZASG140M7Y1B				13,8	–	16	–	10,5	0,200	1,0	0.089 x3	0.6 x3
FBA71A2VEB	x2	RZASG140M7Y1B				14,6	–	16	–	12,0	0,200	1,0	0.070 x2	0.5 x2
FBA140A2VEB		RZASG140M7Y1B				15,1	–	16	–	12,0	0,200	1,0	0,187	1,5
FNA35A2VEB	x4	RZASG140M7Y1B	3N~ 50Hz	Minimum:	Maximum	12,2	–	16	–	9,5	0,200	1,0	0.034 x4	0.3 x4
FNA50A2VEB	x3	RZASG140M7Y1B	380-415V	·342 V·	·456 V·	13,5	–	16	–	10,5	0,200	1,0	0.060 x3	0.5 x3
FUA71AVEB	x2	RZASG140M7Y1B				15,4	–	16	–	12,0	0,200	1,0	0.046 x2	0.9 x2
FAA71AUVEB	x2	RZASG140M7Y1B				14,4	–	16	–	12,0	0,200	1,0	0.048 x2	0.4 x2
FVA71AMVEB	x2	RZASG140M7Y1B				14,8	–	16	–	12,0	0,200	1,0	0.117 x2	0.6 x2
FVA140AMVEB		RZASG140M7Y1B				15,0	–	16	–	12,0	0,200	1,0	0,276	1,4
FDXM35F3V1B	x4	RZASG140M7Y1B				12,2	–	16	–	9,5	0,200	1,0	0.034 x4	0.3 x4
FDXM50F3V1B	x3	RZASG140M7Y1B				13,5	–	16	–	10,5	0,200	1,0	0.060 x3	0.5 x3
FHA35AVEB	x4	RZASG140M7Y1B				13,4	–	16	–	9,5	0,200	1,0	0.060 x4	0.6 x4
FHA50AVEB	x3	RZASG140M7Y1B				13,8	–	16	–	10,5	0,200	1,0	0.060 x3	0.6 x3
FHA71AVEB	x2	RZASG140M7Y1B				15,2	–	16	–	12,0	0,200	1,0	0.091 x2	0.8 x2
FHA140AVEB		RZASG140M7Y1B				15,4	–	16	–	12,0	0,200	1,0	0,150	1,8

RZASG125-140MY1 3D110014D

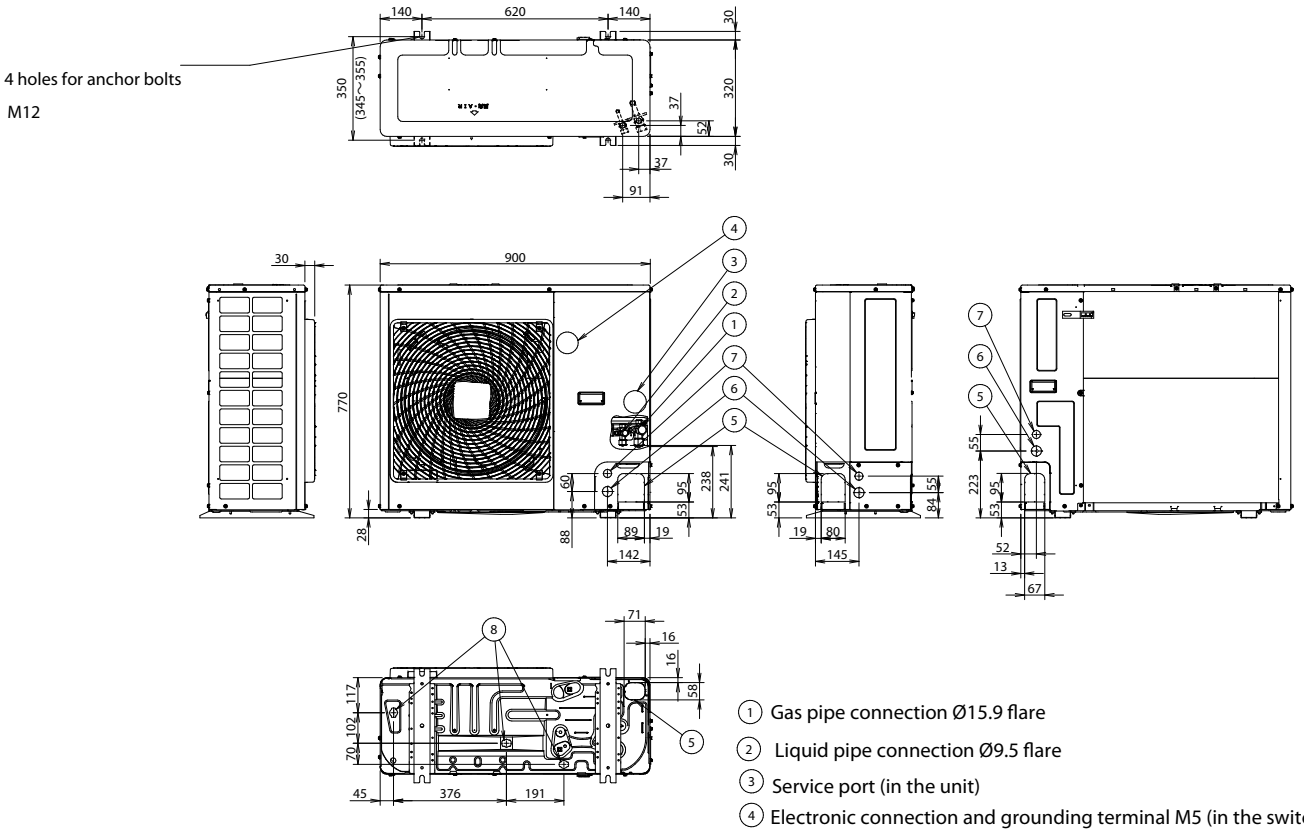
VIEW ALL RZASG-MY1 TECHNICAL DRAWINGS ON MY.DAIKIN.EU

RZASG-MV1/MY1

Symbols		Notes
MCA	Minimum Circuit Ampere [A]	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
TOCA	Total overcurrent amps [A]	2 ·TOCA· is the total value of each overcurrent set.
MFA	Maximum Fuse Ampere [A]	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.
MSC	Maximum current of the starting compressor [A]	4 The maximum allowable voltage that is unbalanced between phases is ·2·%.
RLA	Rated load amps [A]	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.
OFM	Outdoor fan motor	6 Select the wire size according to the MCA.
IFM	Indoor fan motor	7 ·MFA· is used to select the circuit breaker and the ground fault circuit interruptor. Earth leakage circuit breaker
FLA	Full Load Ampere [A]	
kW	Fan motor rated output [kW]	

3D110014D

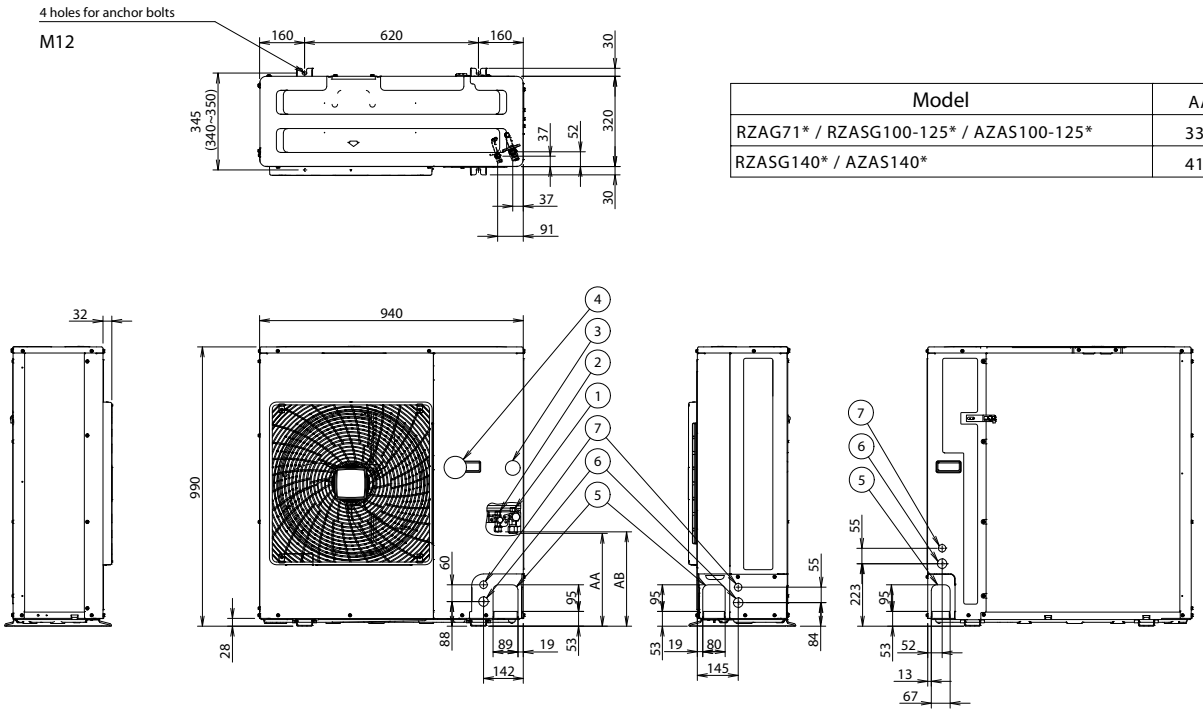
RZASG71MV1



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

3D110013

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

3D110011

VIEW ALL RZASG-MY1 TECHNICAL DRAWINGS ON MY.DAIKIN.EU

RZASG-MV1/MY1

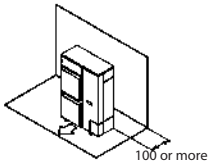
Installation service space

The measure of these values is "mm".

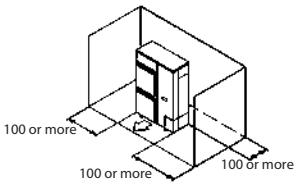
(A) When there are obstacles on suction sides.

• No obstacle above

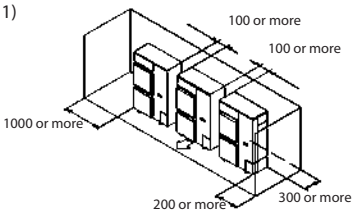
① Stand-alone installation
• Obstacle on the suction side only



• Obstacle on both sides and suction side, too

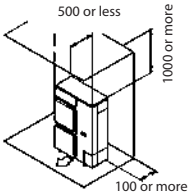


② Series installation (2 or more) (Note 1)
• Obstacle on the suction side and both sides

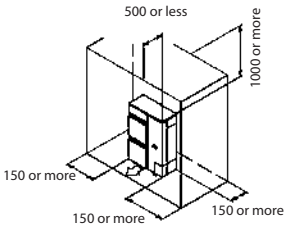


• Obstacle above, too.

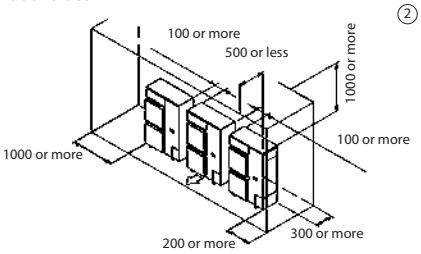
① Stand-alone installation
• Obstacle on the suction side, too



• Obstacle on both sides and suction side, too



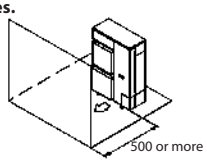
② Series installation (2 or more) (Note 1)
• Obstacle on the suction side and both sides



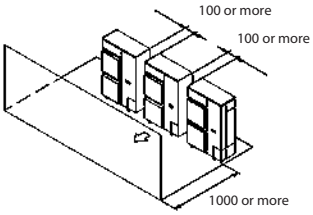
(B) When there are obstacles on discharge sides.

• No obstacle above

① Stand-alone installation
• Obstacle on the discharge side only

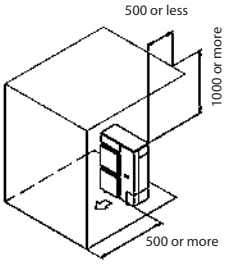


② Series installation (2 or more) (Note 1)
• Obstacle on the suction side only

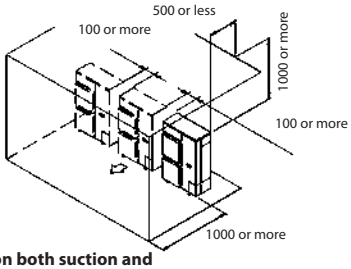


• Obstacle above, too.

① Stand-alone installation
• Obstacle on the discharge side only, too



② Series installation (2 or more) (Note 1)
• Obstacle on discharge side



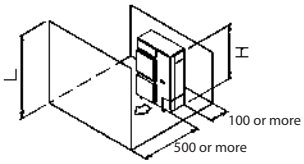
(C) When there are obstacles on both suction and discharge sides:

Pattern 1

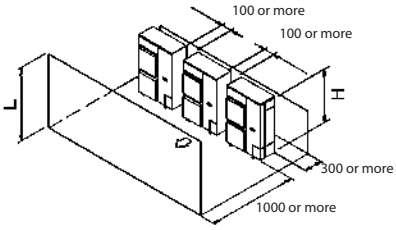
When the obstades on the discharge side is higher than the unit. (L > H)
(There is no limit for the height of obstructions on the suction side.)

• No obstacle above

① Stand-alone installation
• No obstacle above



② Series installation (2 or more) (Note 1)
• No obstacle above



3D069554

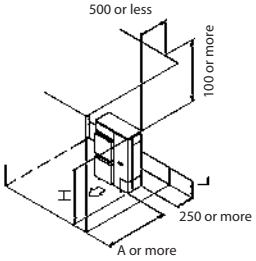
RZASG-MV1/MY1

• Obstacle above, too

① Stand-alone installation (Note 2)
• When there are obstacles on suction, discharge and top sides.

The relations between H, A and L are as follows.

	L	A
L ≤ H	L ≤ 1/2 H	750 or more
	1/2 H<L ≤ H	1000 or more
L > H	Set the stand as : L ≤ H Refer to the column of L ≤ H for A	

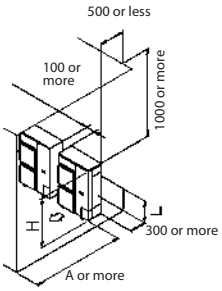


② Series installation (2 or more) (Note 1,2)
• When there are obstacles on suction, discharge and top sides.

The relations between H, A and L are as follows.

	L	A
L ≤ H	L ≤ 1/2 H	1000 or more
	1/2 H<L ≤ H	1250 or more
L>H	Set the stand as : L ≤ H Refer to the column of L ≤ H for A	

Limit of series installation is 2 units.

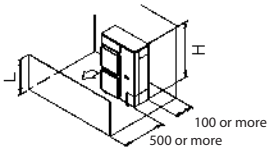


Pattern 2

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

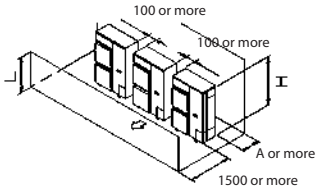
① Stand-alone installation
• No obstacle above



② Series installation (2 or more) (Note 1,2)
• When there are obstacles on both suction and discharge sides.

he relations between H, A and L are as follows.

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

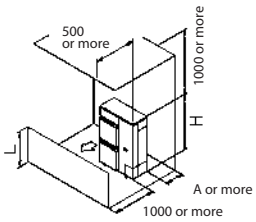


• Obstacle above

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

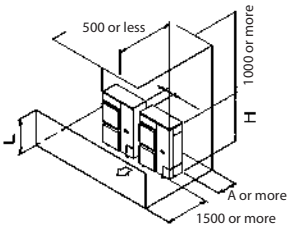


② Series installation (2 or more) (Note 1,2)
• When there are obstacles on suction, discharge and top sides.

The relations between H, A and L are as follows.

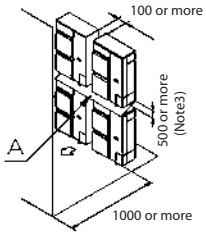
	L	A
L ≤ H	L ≤ 1/2 H	250 or more
	1/2 H<L ≤ H	300 or more
L>H	Set the stand as : L ≤ H Refer to the column of L ≤ H for A	

Limit of series installation is 2 units.

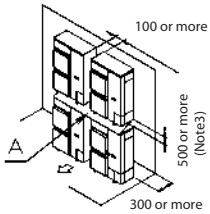


(D) Double-decker installation

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.

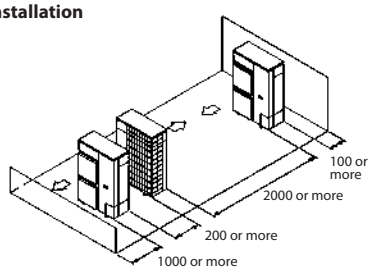


② Obstacle on the suction·side. (1)
• Do not exceed two levels for stacked installation.
• Install a roof cover similar to A (field supply), as outdoor units with downward drainage are prone to dripping and freezing.
• Install the upper-level outdoor unit so that its bottom plate is a sufficient height above the roof cover. This is to prevent the buildup of ice on the underside of the bottom plate.



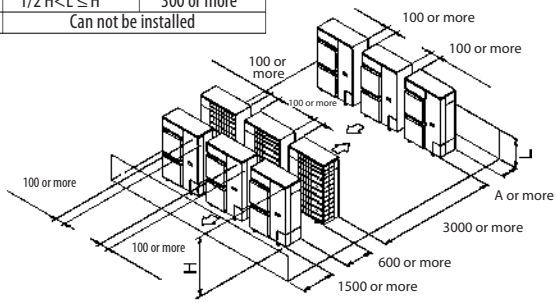
(E) Multiple rows of series installation (on the rooftop, etc.)

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 ≤ 1/2 H	250 or more
	1/2 H<L ≤ H	300 or more
L>H	Can not be installed	



NOTES
1. In case of the sideway's piping, make a 100mm gap between the unit above.
2. Close the bottom of the installation frame to prevent the discharged air from being bypassed.
3. It is not necessary to install a roof cover if there is no danger of drainage dripping and freezing. In this case, the space between the upper and lower outdoor units should be at least 100mm. Close off the gap between the upper and lower units so there is no reintake of discharged air.

3D069554

VIEW ALL RZASG-MY1 TECHNICAL DRAWINGS ON MY.DAIKIN.EU

RZASG-MV1/MY1

To determine if adding additional refrigerant is necessary

If	Then
(L1+L2+L3+L4+L5+L6+L7)≤ 30 m (chargeless length)	You do not have to add additional refrigerant.
(L1+L2+L3+L4+L5+L6+L7)> 30 m (chargeless length)	You must add additional refrigerant. For future servicing, encircle the selected amount in the tables below.

INFORMATION

Piping length is the largest one way length of liquid piping.

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

	L1 (m)	
L1:	**30~40 m**	**40~50 m**
R:	0.35 kg	0.7 kg

To determine the additional refrigerant amount (R in kg) (in case of twin, triple and double twin)

1. Determine R1 and R2.

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

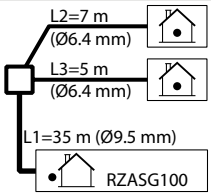
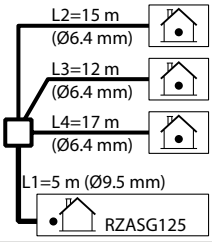
	Length (total length of liquid piping−30 m)				
	0~10 m	**10~20 m**	**20~30 m**	**30~40 m**	**40~45 m**
R1:	0.35 kg	0.7 kg	1.05 kg[a]	1.4 kg[a]	
R2:	0.2 kg	0.4 kg	0.6 kg	0.8 kg[a]	1 kg[b]

a) Only for RZASG100~140.

b) Only for RZASG100+125.

2. Determine the additional refrigerant amount: R=R1+R2.

Examples

Layout	Additional refrigerant amount (R)		
	Case: Twin, standard liquid pipe size		
	1.	G1	Total Ø9.5 => G1=35 m
		G2	Total Ø6.4 => G2=7+5=12 m
	2.	Case: G1>30 m	
		R1	Length=G1−30 m=5 m => R1=0.35 kg
		R2	Length=G2=12 m => R2=0.4 kg
	3.	R	R=R1+R2=0.35+0.4=0.75 kg
	Case: Triple, standard liquid pipe size		
	1.	G1	Total Ø9.5 => G1=5 m
		G2	Total Ø6.4 => G2=15+12+17=44 m
	2.	Case: G1≤30 m (and G1+G2>30 m)	
		R1	R1=0.0 kg
		R2	Length=G1+G2−30 m = 5+44−30=19 m => R2=0.4 kg
	3.	R	R=R1+R2=0.0+0.4=0.4 kg

RZA-D

Indoor		Outdoor	Power supply	Voltage range		MCA	TOCA	MFA	Compressor MSC	Compressor RLA	OFM kW	OFM FLA	IFM FLA
FDA200A2VEB		RZA200D7Y1B	3N~ 50Hz 380-415V	Minimum: ·342 V·	Maximum ·457 V·	(15,9)*	–	20	–	14,0	0,6	1,3	4,0
FCAG50BVEB	x4	RZA200D7Y1B				16,1	–	20	–	13,0	0,6	1,3	0,3 x4
FCAG60BVEB	x3	RZA200D7Y1B				16,7	–	20	–	13,9	0,6	1,3	0,3 x3
FCAG71BVEB	x3	RZA200D7Y1B				16,7	–	20	–	13,9	0,6	1,3	0,3 x3
FCAG100BVEB	x2	RZA200D7Y1B				16,4	–	20	–	13,1	0,6	1,3	0,7 x2
FFA50A2VEB	x4	RZA200D7Y1B				16,5	–	20	–	13,0	0,6	1,3	0,4 x4
FFA60A2VEB	x3	RZA200D7Y1B				17,7	–	20	–	13,9	0,6	1,3	0,6 x3
FBA50A2VEB	x4	RZA200D7Y1B				(14,9)*	–	20	–	13,0	0,6	1,3	1,4 x4
FBA60A2VEB	x3	RZA200D7Y1B				(15,8)*	–	20	–	13,9	0,6	1,3	1,3 x3
FBA71A2VEB	x3	RZA200D7Y1B				(15,8)*	–	20	–	13,9	0,6	1,3	1,3 x3
FBA100A2VEB	x2	RZA200D7Y1B				(15,0)*	–	20	–	13,1	0,6	1,3	3,5 x2
FHA50AVEB	x4	RZA200D7Y1B				17,4	–	20	–	13,0	0,6	1,3	0,6 x4
FHA60AVEB	x3	RZA200D7Y1B				17,7	–	20	–	13,9	0,6	1,3	0,6 x3
FHA71AVEB	x3	RZA200D7Y1B				18,3	–	20	–	13,9	0,6	1,3	0,8 x3
FHA100AVEB	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
FAA71AUVEB	x3	RZA200D7Y1B				17,4	–	20	–	13,9	0,6	1,3	0,5 x3
FAA100AUVEB	x2	RZA200D7Y1B				16,0	–	20	–	13,1	0,6	1,3	0,5 x2
FVA71AMVEB	x3	RZA200D7Y1B				18,3	–	20	–	13,9	0,6	1,3	0,8 x3
FVA100AMVEB	x2	RZA200D7Y1B				18,1	–	20	–	13,1	0,6	1,3	1,5 x2
FDXM50F3V1B	x4	RZA200D7Y1B				18,6	–	20	–	13,0	0,6	1,3	0,9 x4
FDXM60F3V1B	x3	RZA200D7Y1B				18,6	–	20	–	13,9	0,6	1,3	0,9 x3
FNA50A2VEB	x4	RZA200D7Y1B				17,0	–	20	–	13,0	0,6	1,3	0,5 x4
FNA60A2VEB	x3	RZA200D7Y1B				17,7	–	20	–	13,9	0,6	1,3	0,6 x3
FDA250A2VEB		RZA250D7Y1B	3N~ 50Hz 380-415V	Minimum: ·342 V·	Maximum ·457 V·	(15,9)*	–	20	–	14,0	0,6	1,3	4,3
FCAG60BVEB	x4	RZA250D7Y1B				17,2	–	20	–	14,0	0,6	1,3	0,3 x4
FCAG125BVEB	x2	RZA250D7Y1B				18,2	–	20	–	13,6	0,6	1,3	1,3 x2
FFA60A2VEB	x4	RZA250D7Y1B				18,4	–	20	–	14,0	0,6	1,3	0,6 x4
FBA60A2VEB	x4	RZA250D7Y1B				(15,9)*	–	20	–	14,0	0,6	1,3	1,3 x4
FBA125A2VEB	x2	RZA250D7Y1B				(15,5)*	–	20	–	13,6	0,6	1,3	3,6 x2
FHA60AVEB	x4	RZA250D7Y1B				18,4	–	20	–	14,0	0,6	1,3	0,6 x4
FHA125AVEB	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

* Use a separate power supply for the indoor unit. The value between brackets is the MCA of the outdoor unit. For the MCA of the indoor unit, see the installation manual of the indoor unit.

RZA-D

3D125194

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]

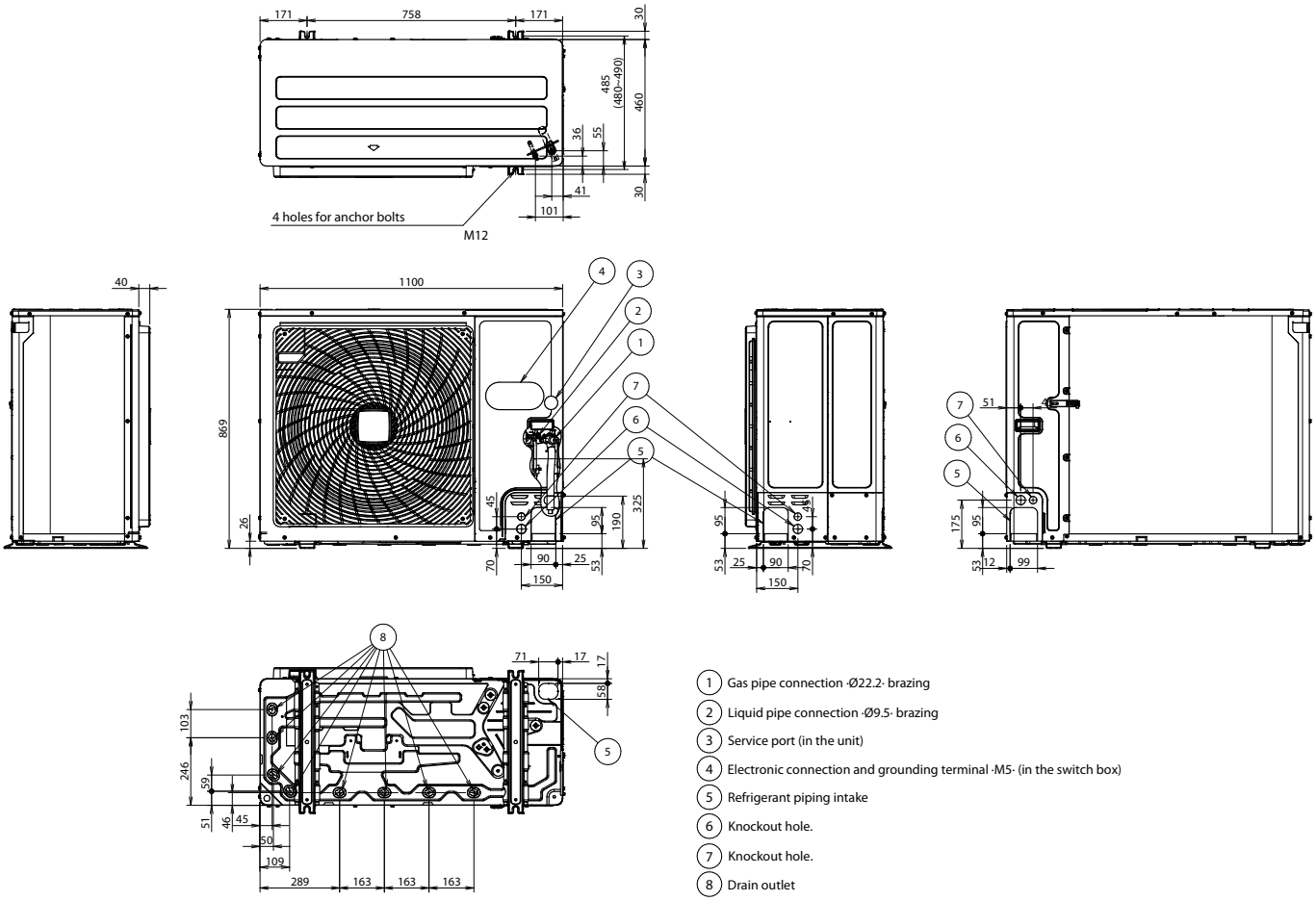
Notes

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

3D125194

VIEW ALL RZA-D TECHNICAL DRAWINGS ON MY.DAIKIN.EU

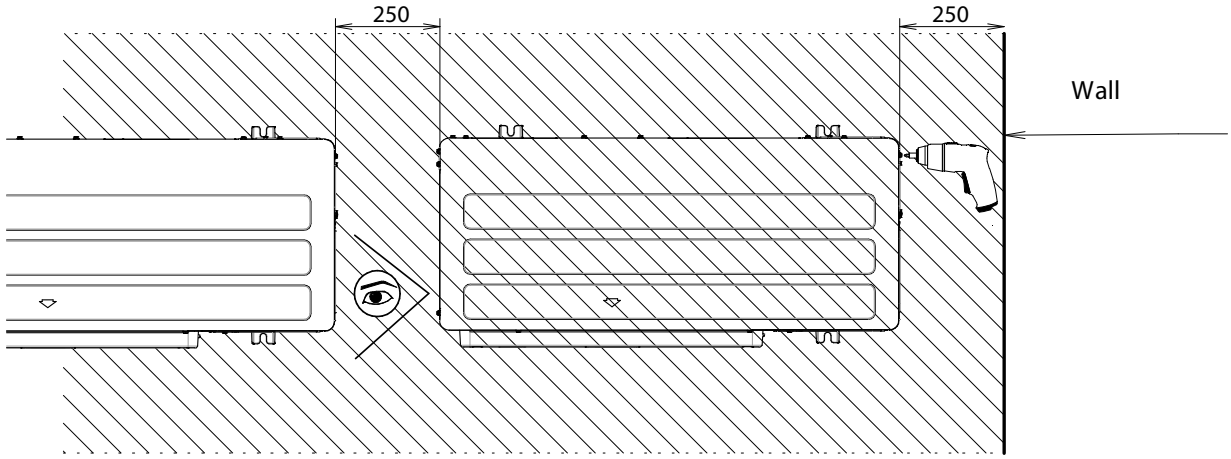
RZA-D



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



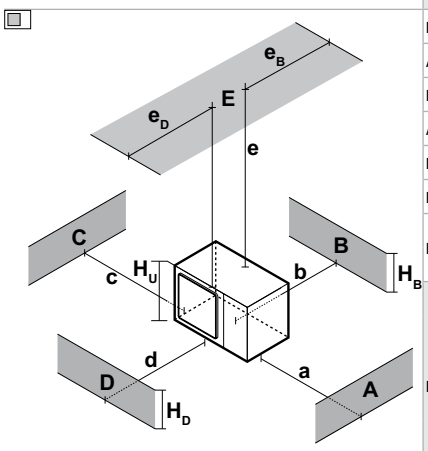
* For optimal serviceability, provide ≥·250·mm of free space.
For more installation and service space guidelines, see drawing ·3D069554·.

3D110012

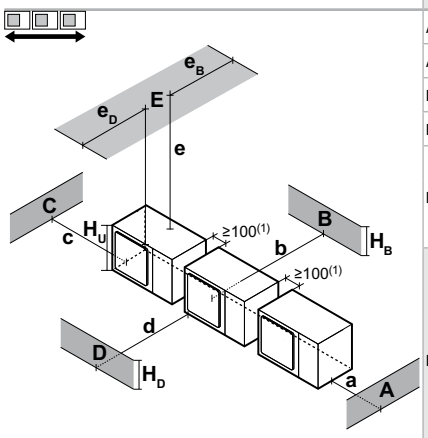
RZAG-NV1/NY1
RZA-D

Suction side	In the illustrations below, the service space at the suction side is based on 35°C DB and cooling operation. Foresee more space in the following cases: • When the suction side temperature regularly exceeds this temperature. • When the heat load of the outdoor units is expected to regularly exceed the maximum operating capacity.
Discharge side	Take refrigerant piping work into account when positioning the units. If your layout does not match with any of the layouts below, contact your dealer.

Single unit | Single row of units



A~E	H_B H_D H_U		(mm) a	b	c	d	e	e_B	e_D	
B	—			≥100						
A, B, C	—		≥100(1)	≥100	≥100					
B, E	—			≥100			≥1000		≤500	
A, B, C, E	—		≥150(1)	≥150	≥150		≥1000		≤500	
D	—					≥500				
D, E	—					≥500	≥1000	≥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	≥1000	≤500		1
		$½H_U<H_B≤H_U$		≥250		≥1000	≥1000	≤500		
		$H_B>H_U$	⊘							
	$H_D≤H_U$	$H_D≤½H_U$		≥100		≥1000	≥1000		≤500	
		$½H_U<H_D≤H_U$		≥200		≥1000	≥1000		≤500	
		$H_D>H_U$	⊘							



A~E	H_B H_D H_U		a	b	c	d	e	e_B	e_D	
A, B, C	—		≥200(1)	≥300	≥1000					
A, B, C, E	—		≥200(1)	≥300	≥1000		≥1000		≤500	
D	—					≥1000				
D, E	—					≥1000	≥1000	≤500		
B, D	$H_D>H_U$			≥300		≥1000				
	$H_D≤H_U$	$H_D≤½H_U$		≥250		≥1500				
		$½H_U<H_D≤H_U$		≥300		≥1500				
B, D, E	$H_D>H_U$	$H_B≤½H_U$		≥300		≥1000	≥1000	≤500		1+2
		$½H_U<H_B≤H_U$		≥300		≥1250	≥1000	≤500		
		$H_B>H_U$	⊘							
	$H_D≤H_U$	$H_D≤½H_U$		≥250		≥1500	≥1000		≤500	
		$½H_U<H_D≤H_U$		≥300		≥1500	≥1000		≤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.

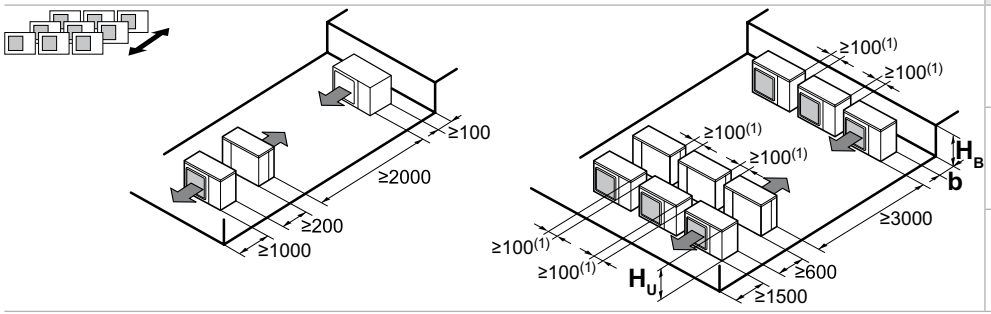
⊘ Not allowed

1D128513

VIEW ALL RZA-D TECHNICAL DRAWINGS ON MY.DAIKIN.EU

RZAG-NV1/NY1
RZA-D

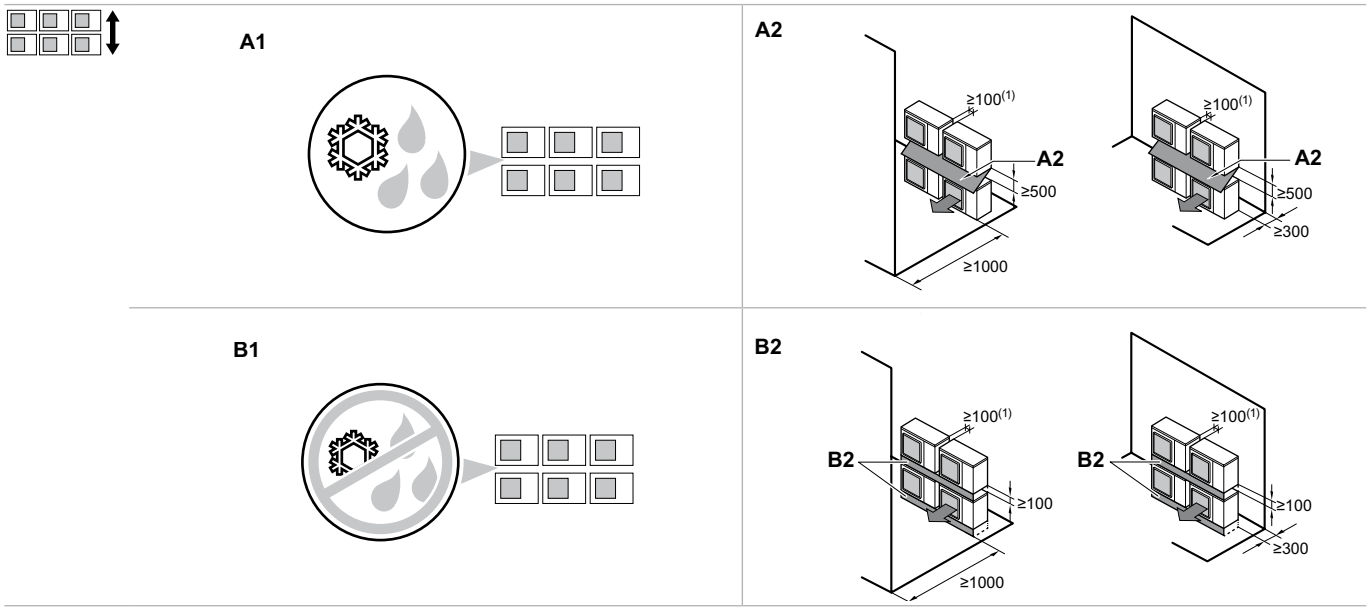
Multiple rows of units ( )



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.

1D128513

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

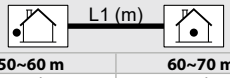
If	Then
(L1+L2+L3+L4+L5+L6+L7) ≤ chargeless length	You do not have to add additional refrigerant.
(L1+L2+L3+L4+L5+L6+L7) > chargeless length	You must add additionalrefrigerant. For future servicing, encircle theselected amount in the tables below.

INFORMATION

Piping length is the largest one-way length of liquid piping.

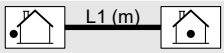
To determine the additional refrigerant amount (R in kg) (in case of pair)

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)].

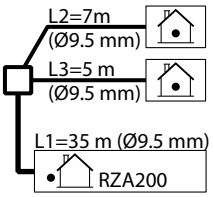
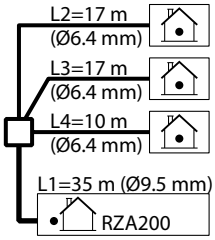
(a) In case of size-up: replace 30 m by 20 m.

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

VIEW ALL AZAS-MV1 TECHNICAL DRAWINGS ON MY.DAIKIN.EU

AZAS71-140MV1

								Compressor		OFM		IFM	
Indoor	**Outdoor**	**Power supply**	**Voltage range**		**MCA**	**TOCA**	**MFA**	**MSC**	**RLA**	**kW**	**FLA**	**kW**	**FLA**
FCAG71AVEB	AZAS71M2V1B	50Hz~ 220- 240 V	Minimum: 198 V	Maximum: 264 V	17.4	-	20	-	15.4	0.094	0.9	0.054	0.4
FBA71A2VEB	AZAS71M2V1B				17.5	-	20	-	15.4	0.094	0.9	0.070	0.5
FAA71AUVEB	AZAS71M2V1B				17.4	-	20	-	15.4	0.094	0.9	0.048	0.4
FCAG100AVEB	AZAS100M7V1B				21.5	-	25	-	19.0	0.200	1.0	0.117	0.7
FBA100AVEB	AZAS100M7V1B				21.8	-	25	-	19.0	0.200	1.0	0.127	1.0
FAA100AUVEB	AZAS100M7V1B				21.2	-	25	-	19.0	0.200	1.0	0.064	0.4
FCAG125AVEB	AZAS125M7V1B				27.8	-	32	-	24.7	0.200	1.0	0.168	1.0
FBA125A2VEB	AZAS125M7V1B				28.3	-	32	-	24.7	0.200	1.0	0.187	1.5
						-		-					
FCAG140AVEB	AZAS140M7V1B				27.0	-	32	-	24.0	0.200	1.0	0.168	1.0
FBA140A2VEB	AZAS140M7V1B				27.6	-	32	-	24.0	0.200	1.0	0.187	1.5
FCAG100AVEB	AZAS100M7Y1B	3 N~50 Hz 380- 415 V	Minimum: 342 V	Maximum: 456 V	14.2	-	16	-	12.0	0.200	1.0	0.117	0.7
FBA100A2VEB	AZAS100M7Y1B				14.6	-	16	-	12.0	0.200	1.0	0.127	1.0
FAA100AUVEB	AZAS100M7Y1B				13.9	-	16	-	12.0	0.200	1.0	0.064	0.4
FCAG125AVEB	AZAS125M7Y1B				14.6	-	16	-	12.0	0.200	1.0	0.168	1.0
FBA125A2VEB	AZAS125M7Y1B				15.1	-	16	-	12.0	0.200	1.0	0.187	1.5
						-		-					
FCAG140AVEB	AZAS140M7Y1B				14.6	-	16	-	12.0	0.200	1.0	0.168	1.0
FBA140A2VEB	AZAS125M7Y1B				15.1	-	16	-	12.0	0.200	1.0	0.187	1.5

AZAS71-140MV1

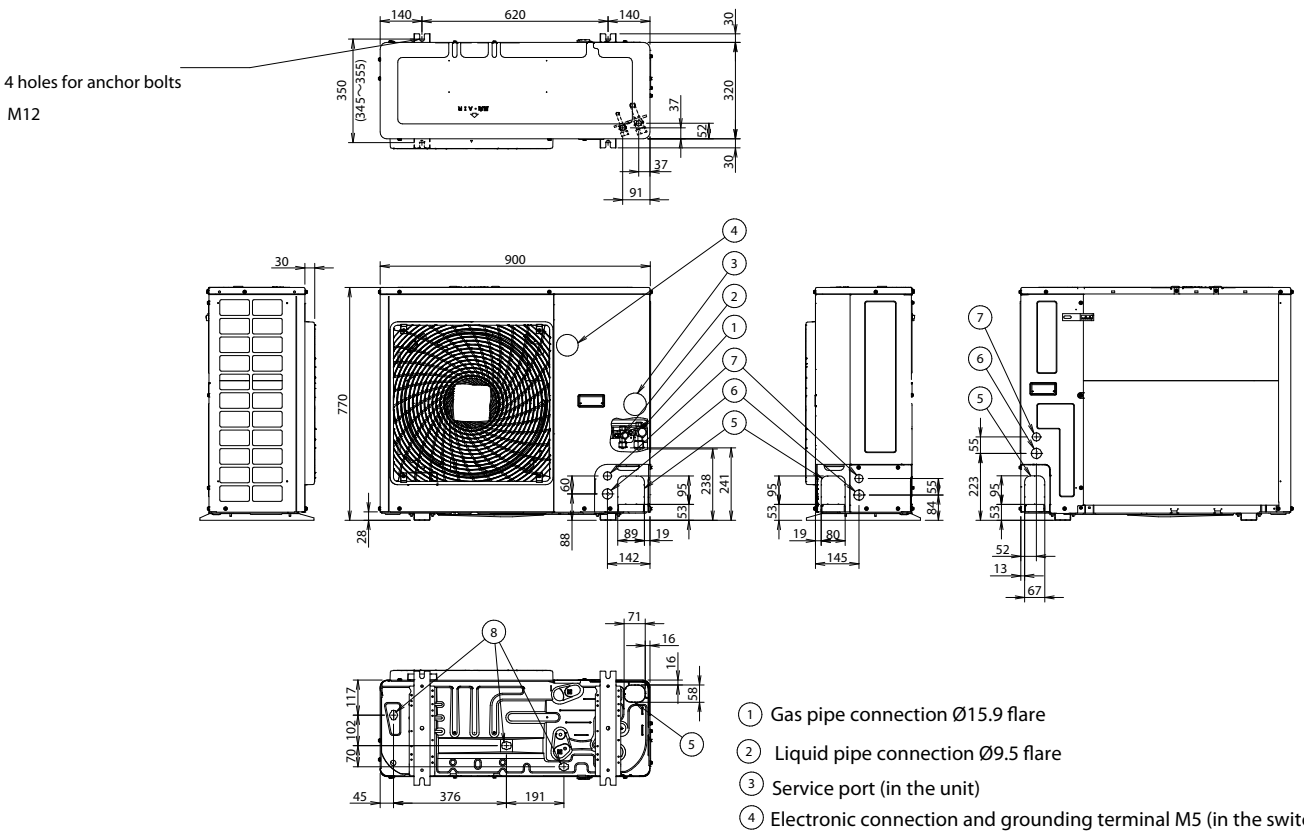
3D110014A

AZAS-MV1/MY1

Symbols	Notes
MCA Min. Circuit Amps. (A) TOCA Total Over-Current Amps. (A) MFA Max. Fuse Amps (See note 7) (A) MSC Max. current during the starting compressor. (A) RLA Rated Load Amps. (A) OFM Outdoor Fan Motor. (A) IFM Indoor Fan Motor. FLA Full Load Amps. kW Fan Motor Rated Output (kW)	1 RLA is based on the following indoor conditions: Cooling Indoor temperature 27.0°CDB/19.0°CWB Outdoor temperature 35.0°CDB Heating Indoor temperature 20.0°CDB Outdoor temperature 7.0°CDB/6.0°CWB. 2 TOCA means the total value of each OC set. 3 Voltage range Units are suitable for use on electrical systems where voltage supplied to unit terminals is not below or above listed range limits. 4 Maximum allowable voltage variation 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 interrupter. (earth leakage circuit breaker)

3D110014A.

AZAS71MV1

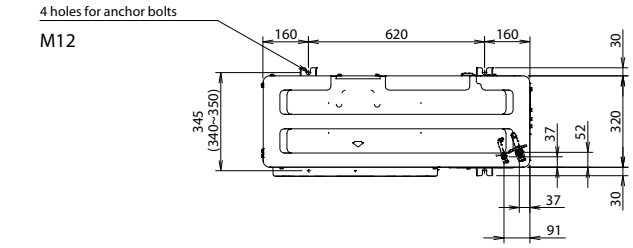


1. Gas pipe connection Ø15.9 flare
2. Liquid pipe connection Ø9.5 flare
3. Service port (in the unit)
4. Electronic connection and grounding terminal M5 (in the switch box)
5. Refrigerant piping intake
6. Power supply wiring intake (knockout hole Ø34)
7. Control wiring intake (knockout hole Ø27)
8. Drain outlet

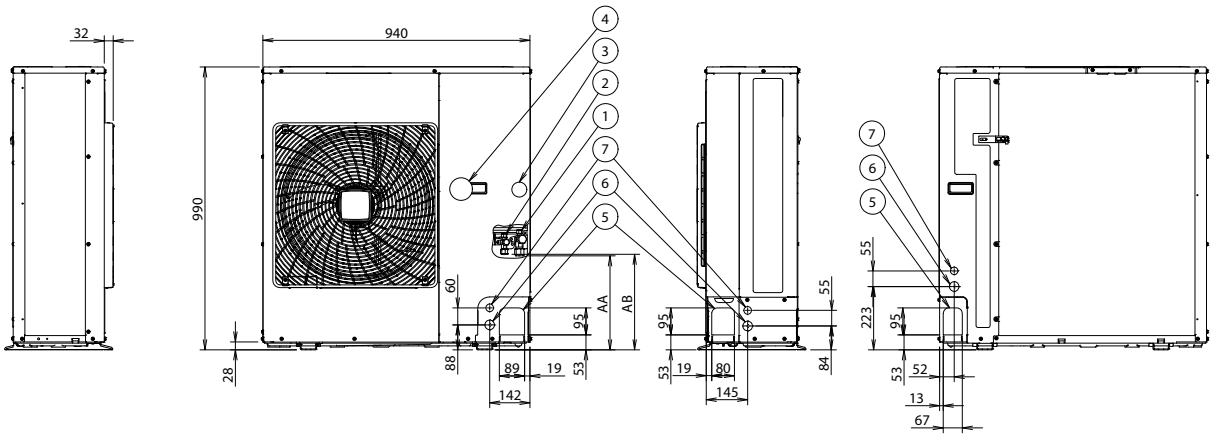
3D110013

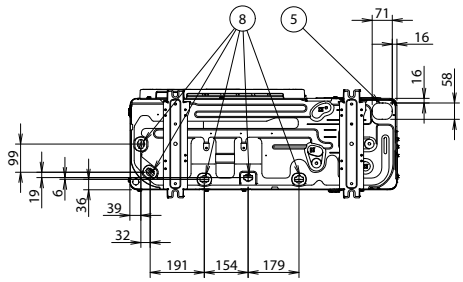
VIEW ALL AZAS-MV1 TECHNICAL DRAWINGS ON MY.DAIKIN.EU

AZAS100-140MV1/MY1



Model	AA	AB
RZAG71* / RZASG100-125* / AZAS100-125*	331	337
RZASG140* / AZAS140*	414	420





1. Gas pipe connection Ø15.9 flare
2. Liquid pipe connection Ø9.5 flare
3. Service port (in the unit)
4. Electronic connection and grounding terminal M5 (in the switch box)
5. Refrigerant piping intake
6. Power supply wiring intake (knockout hole Ø34)
7. Control wiring intake (knockout hole Ø27)
8. Drain outlet

3D110011

AZAS-MV1/MY1

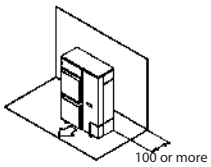
Installation service space

The measure of these values is "mm".

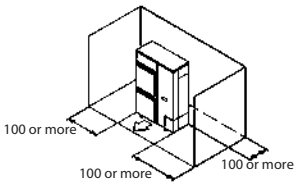
(A) When there are obstacles on suction sides.

• No obstacle above

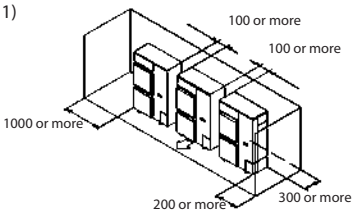
① Stand-alone installation
• Obstacle on the suction side only



• Obstacle on both sides and suction side, too

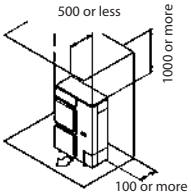


② Series installation (2 or more) (Note 1)
• Obstacle on the suction side and both sides

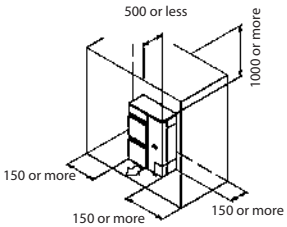


• Obstacle above, too.

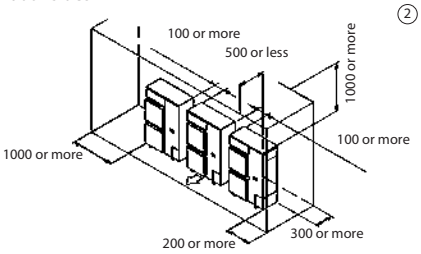
① Stand-alone installation
• Obstacle on the suction side, too



• Obstacle on both sides and suction side, too



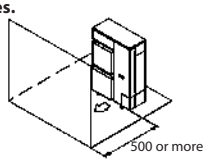
② Series installation (2 or more) (Note 1)
• Obstacle on the suction side and both sides



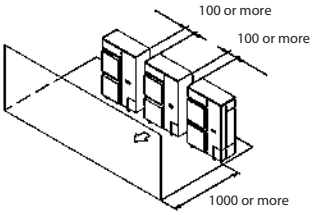
(B) When there are obstacles on discharge sides.

• No obstacle above

① Stand-alone installation
• Obstacle on the discharge side only

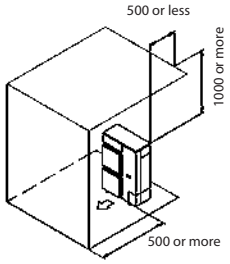


② Series installation (2 or more) (Note 1)
• Obstacle on the suction side only

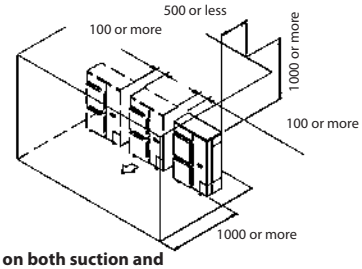


• Obstacle above, too.

① Stand-alone installation
• Obstacle on the discharge side only, too



② Series installation (2 or more) (Note 1)
• Obstacle on discharge side



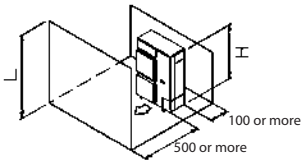
(C) When there are obstacles on both suction and discharge sides:

Pattern 1

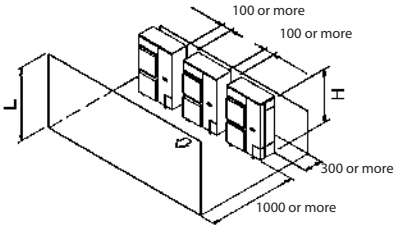
When the obstades on the discharge side is higher than the unit. (L > H)
(There is no limit for the height of obstructions on the suction side.)

• No obstacle above

① Stand-alone installation
• No obstacle above



② Series installation (2 or more) (Note 1)
• No obstacle above



3D069554

VIEW ALL AZAS-MV1 TECHNICAL DRAWINGS ON MY.DAIKIN.EU

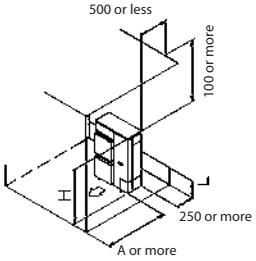
AZAS-MV1/MY1

• Obstacle above, too

① Stand-alone installation (Note 2)
• When there are obstacles on suction, discharge and top sides.

The relations between H, A and L are as follows.

	L	A
L ≤ H	L ≤ 1/2 H	750 or more
	1/2 H<L ≤ H	1000 or more
L > H	Set the stand as : L ≤ H Refer to the column of L ≤ H for A	

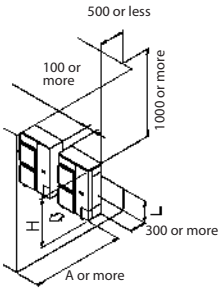


② Series installation (2 or more) (Note 1,2)
• When there are obstacles on suction, discharge and top sides.

The relations between H, A and L are as follows.

	L	A
L ≤ H	L ≤ 1/2 H	1000 or more
	1/2 H<L ≤ H	1250 or more
L>H	Set the stand as : L ≤ H Refer to the column of L ≤ H for A	

Limit of series installation is 2 units.

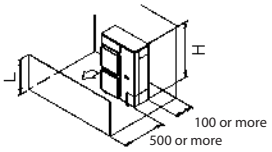


Pattern 2

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

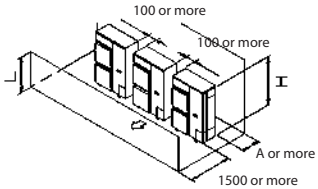
① Stand-alone installation
• No obstacle above



② Series installation (2 or more) (Note 1,2)
• When there are obstacles on both suction and discharge sides.

he relations between H, A and L are as follows.

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

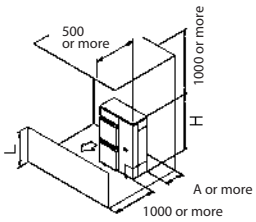


• Obstacle above

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

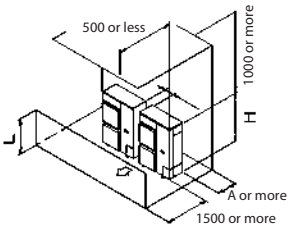


② Series installation (2 or more) (Note 1,2)
• When there are obstacles on suction, discharge and top sides.

The relations between H, A and L are as follows.

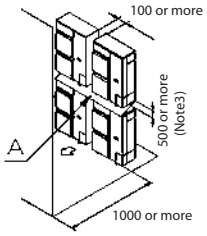
	L	A
L ≤ H	L ≤ 1/2 H	250 or more
	1/2 H<L ≤ H	300 or more
L>H	Set the stand as : L ≤ H Refer to the column of L ≤ H for A	

Limit of series installation is 2 units.

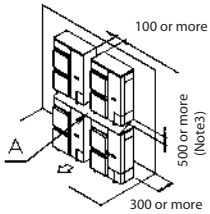


(D) Double-decker installation

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.

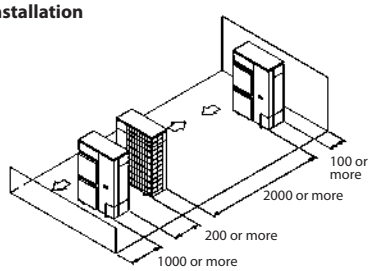


② Obstacle on the suction·side. (1)
• Do not exceed two levels for stacked installation.
• Install a roof cover similar to A (field supply), as outdoor units with downward drainage are prone to dripping and freezing.
• Install the upper-level outdoor unit so that its bottom plate is a sufficient height above the roof cover. This is to prevent the buildup of ice on the underside of the bottom plate.



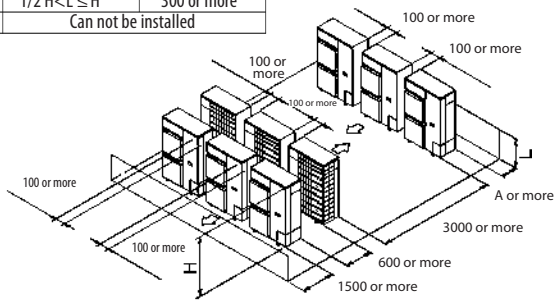
(E) Multiple rows of series installation (on the rooftop, etc.)

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 ≤ 1/2 H	250 or more
	1/2 H<L ≤ H	300 or more
L>H	Can not be installed	



NOTES
1. In case of the sideway's piping, make a 100mm gap between the unit above.
2. Close the bottom of the installation frame to prevent the discharged air from being bypassed.
3. It is not necessary to install a roof cover if there is no danger of drainage dripping and freezing. In this case, the space between the upper and lower outdoor units should be at least 100mm. Close off the gap between the upper and lower units so there is no reintake of discharged air.

3D069554

AZAS-MV1/MY1

To determine the complete recharge amount (kg)

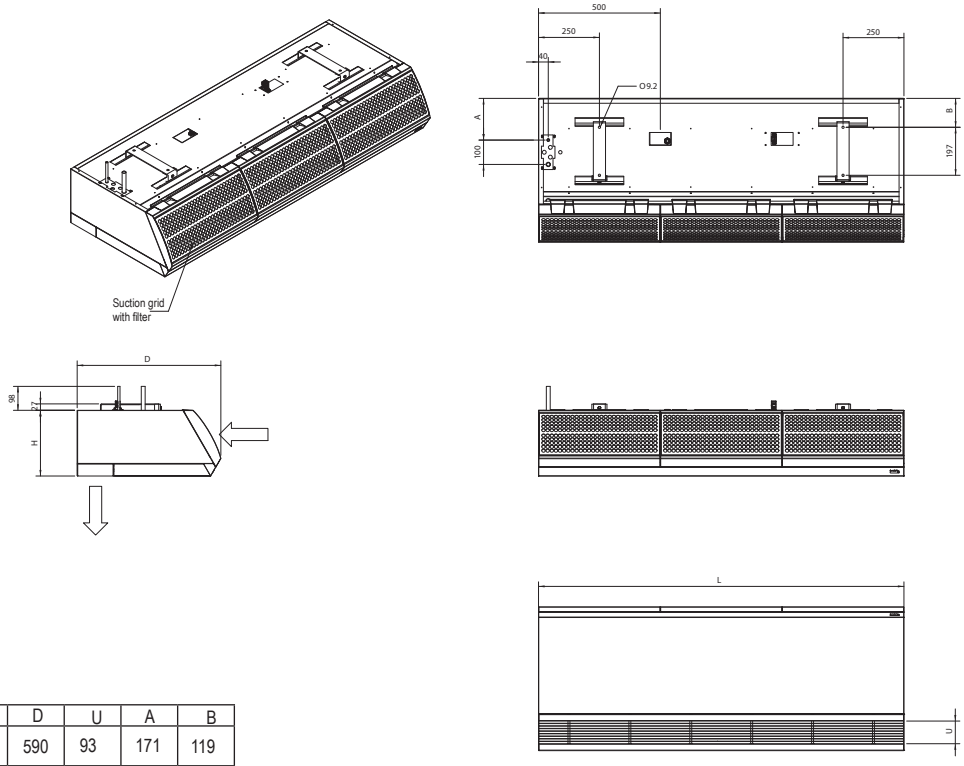
Model	Lenght
	5~30m
AZAS71	2.45 Kg
AZAS100- 125	2.6 Kg
AZAS140	2.9 Kg

4PEN485929-1D_2019_04

Technical drawings

Biddle air curtains

CYQS_M_L-DK_FBN_FSN



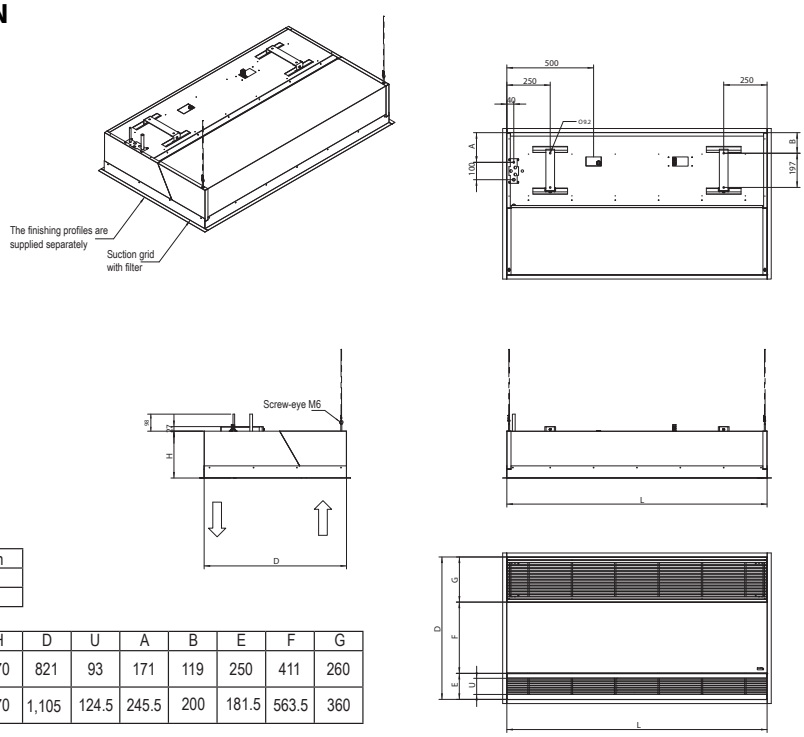
Type	L	H	D	U	A	B
CYQS-DK-FBN/FSN CYQM-DK-FBN/FSN	1,000 - 1,500 2,000 - 2,500	270	590	93	171	119
CYQL-DK-FBN/FSN	1,000 - 1,500 2,000 - 2,500	370	774	124.5	245.5	200

CU0954X-000

REMARKS

1 The 2,500mm large devices have 3 suspension brackets, where the third bracket is mounted at half the length of the device.

CYQS_M_L-DK_CBN_CSN



Number of suction grids per device

Device length	Number	Suction grid length
1000 / 1500	1	1,000 / 1,500
2000 / 2500	2	1,000 / 1,250

*1 drain grid per device

Type	L	H	D	U	A	B	E	F	G
CYQS-DK-CBN/CSN CYQM-DK-CBN/CSN	1,000 - 1,500 2,000 - 2,500	270	821	93	171	119	250	411	260
CYQL-DK-CBN/CSN	1,000 - 1,500 2,000 - 2,500	370	1,105	124.5	245.5	200	181.5	563.5	360

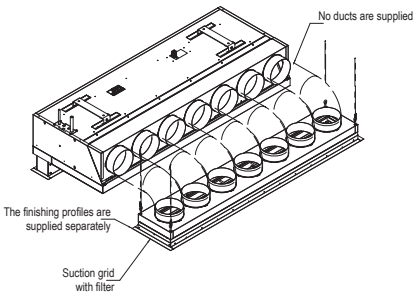
CU0955X-000

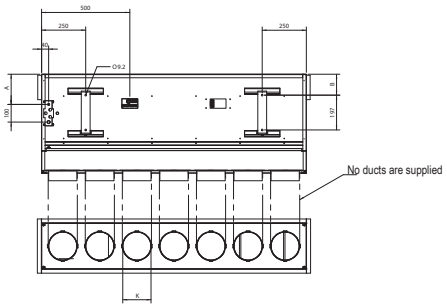
REMARKS

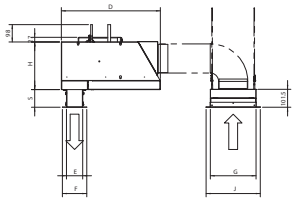
1 The 2,500mm large devices have 3 suspension brackets, where the third bracket is mounted at half the length of the device.
2 The mounting holes for finishing profiles in a lowered ceiling (L+8) x (D+8) mm

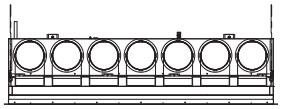
VIEW ALL CYQS TECHNICAL DRAWINGS ON MY.DAIKIN.EU

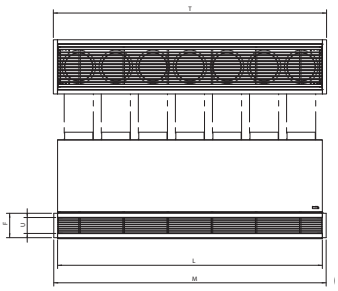
CYQS_M_L-DK_RBN_RSN











Number of ducts per device

Type	1000	1500	2000	2500
CYQS-DK-RBN/RSN CYQM-DK-RBN/RSN	5	7	10	12
CYQL-DK-RBN/RSN	3	5	6	8

Number of suction grids per device

Device length	Number	Suction grid length
1000 / 1500	1	1,000 / 1,500
2000 / 2500	2	1,000 / 1,250

*1 drain grid per device

Type	L	H	D	S	U	A	B	E	F	G	J	K	M	T
CYQS-DK-RBN/RSN CYQM-DK-RBN/RSN	1,000 - 1,500 2,000 - 2,500	270	561	80-125	90	171	119	92	139	260	308	Ø160	1044-1544 2044-2544	1048-1548 2048-2548
CYQL-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	1044-1544 2044-2544	1048-1548 2048-2548

REMARKS

CU0956X-000

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.

Technical drawings

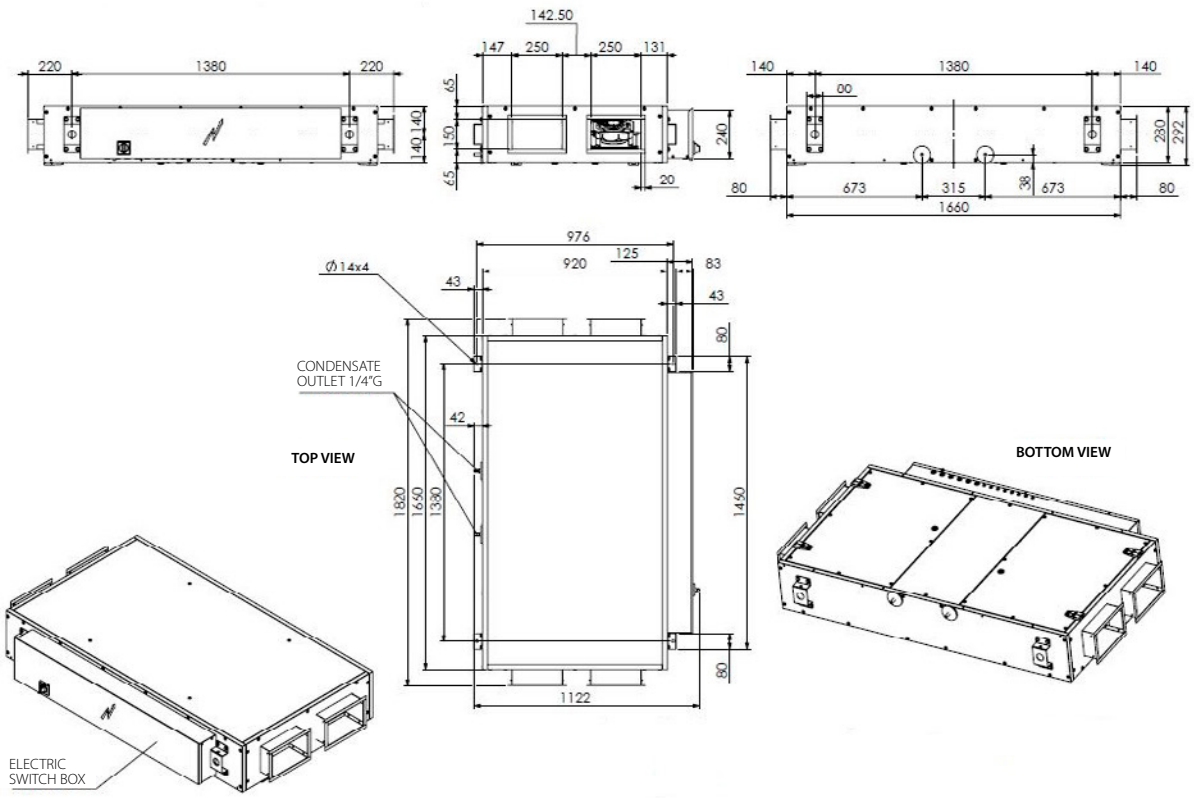
Ventilation

ALB-RBS/LBS 216

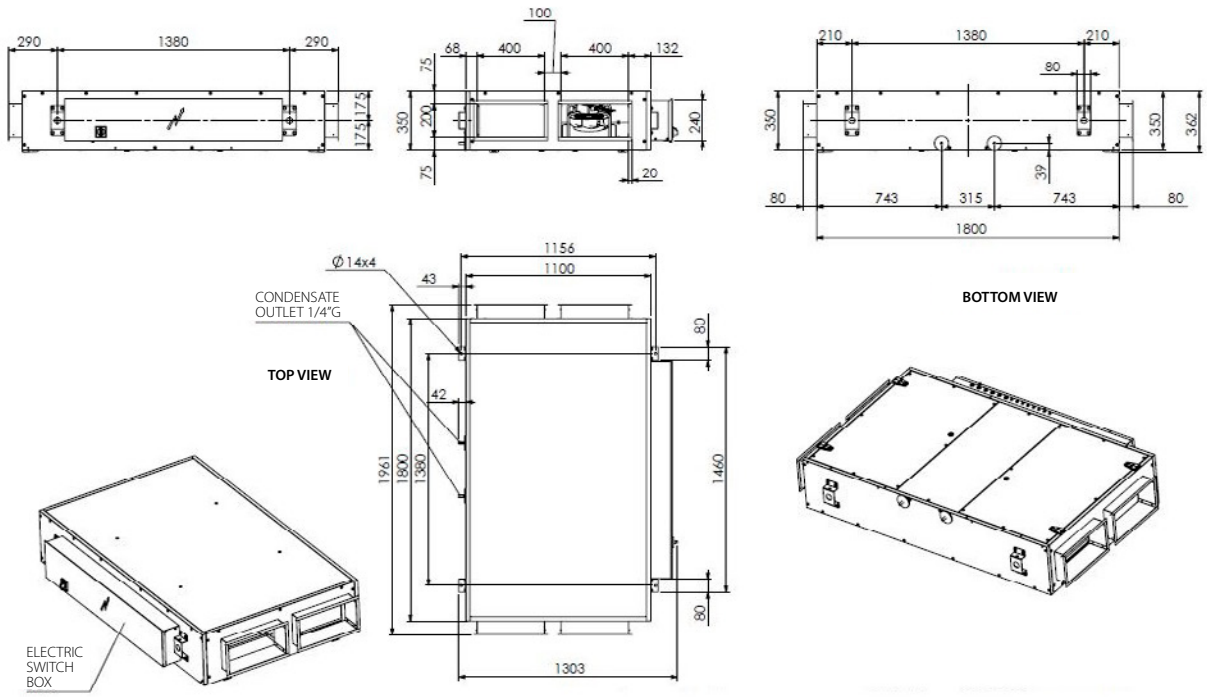
VAM-FC9/J 222

VIEW ALL ALB-LBS DRAWINGS ON MY.DAIKIN.EU

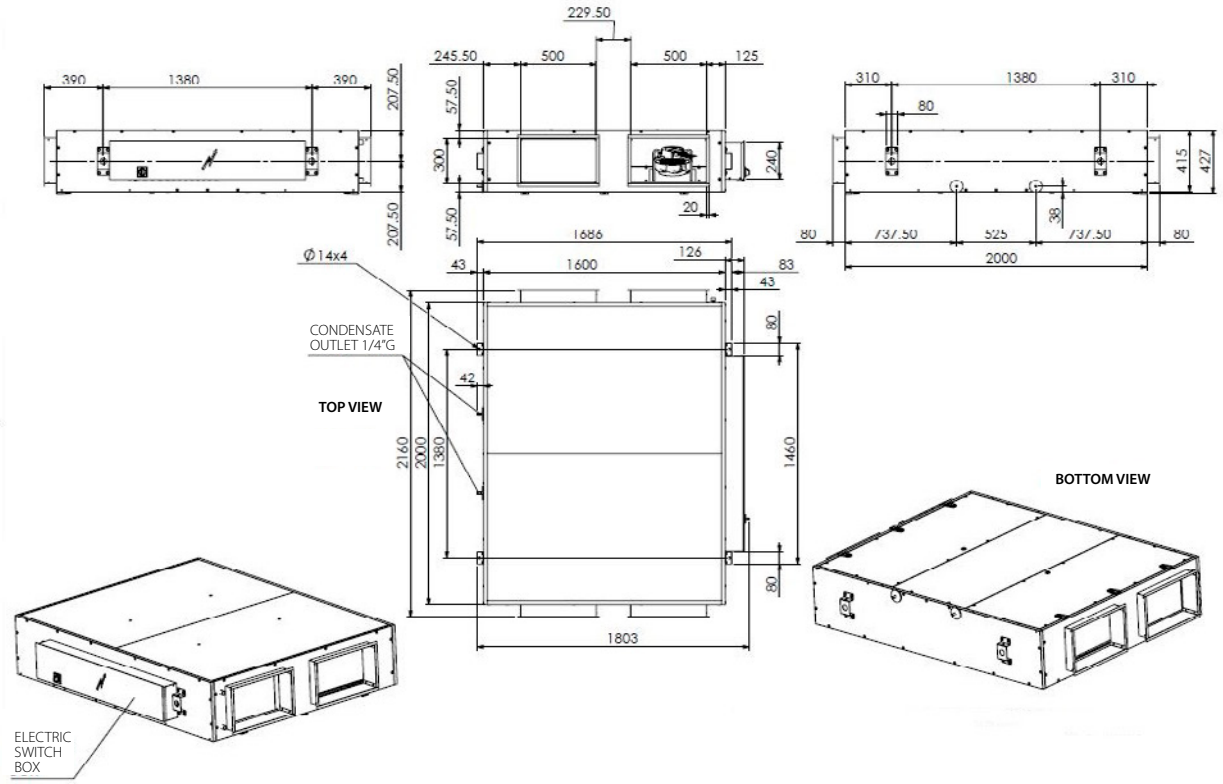
ALB02RBS/LBS



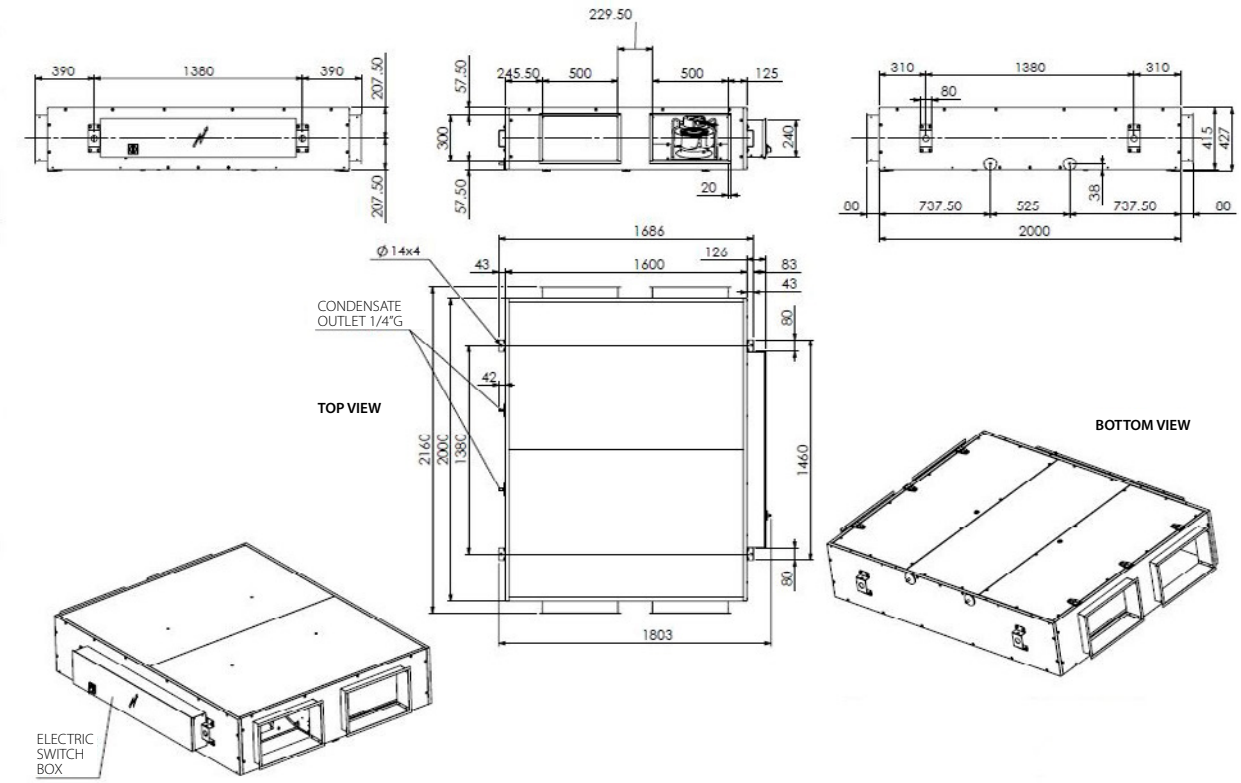
ALB03RBS/LBS



ALB04RBS/LBS

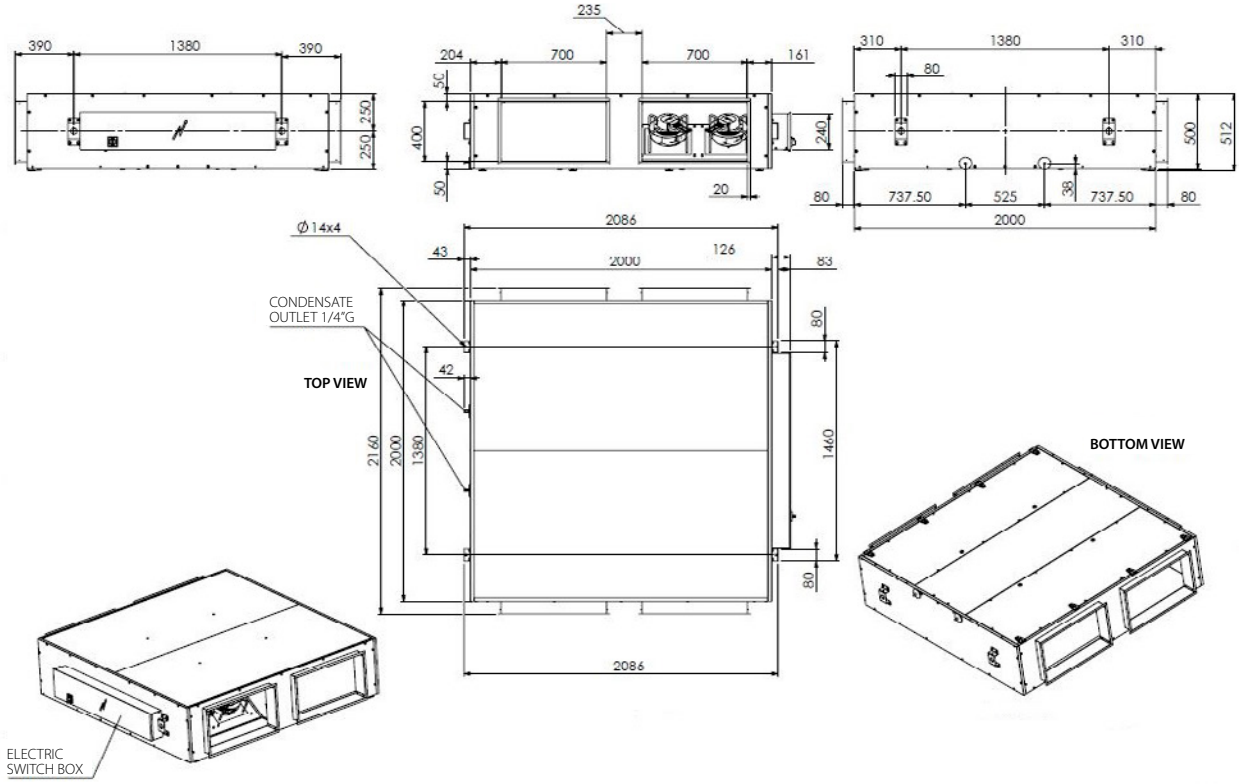


ALB05RBS/LBS

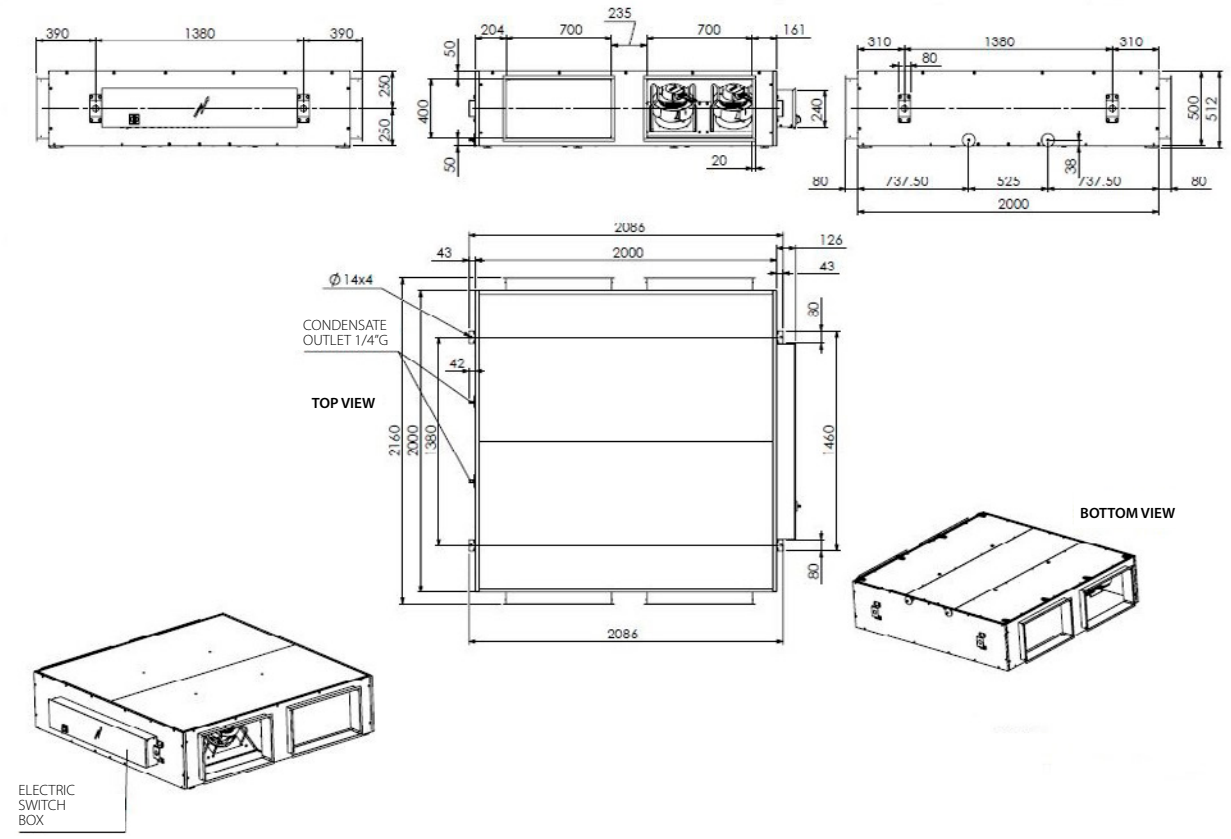


VIEW ALL ALB-LBS DRAWINGS ON MY.DAIKIN.EU

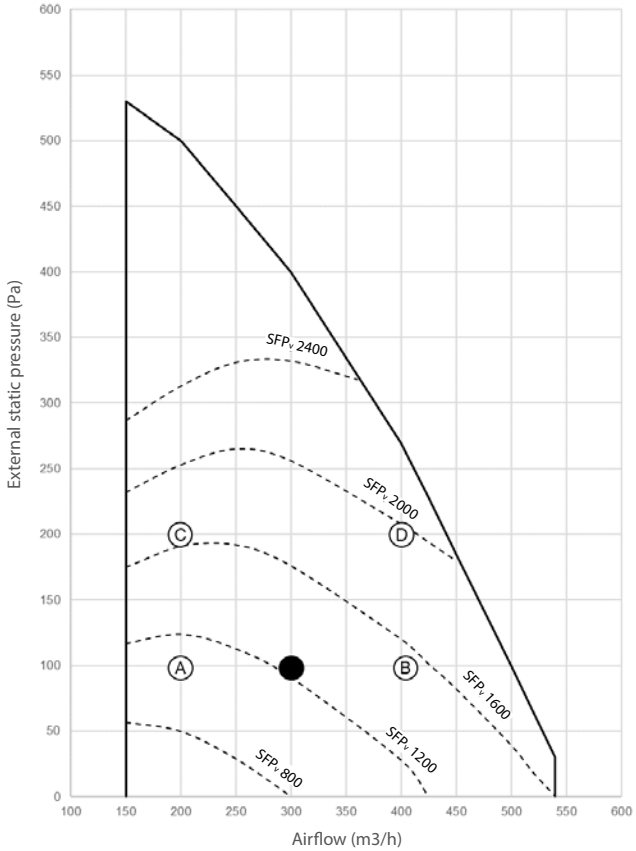
ALB06RBS/LBS



ALB07RBS/LBS



ALB02RBS/LBS



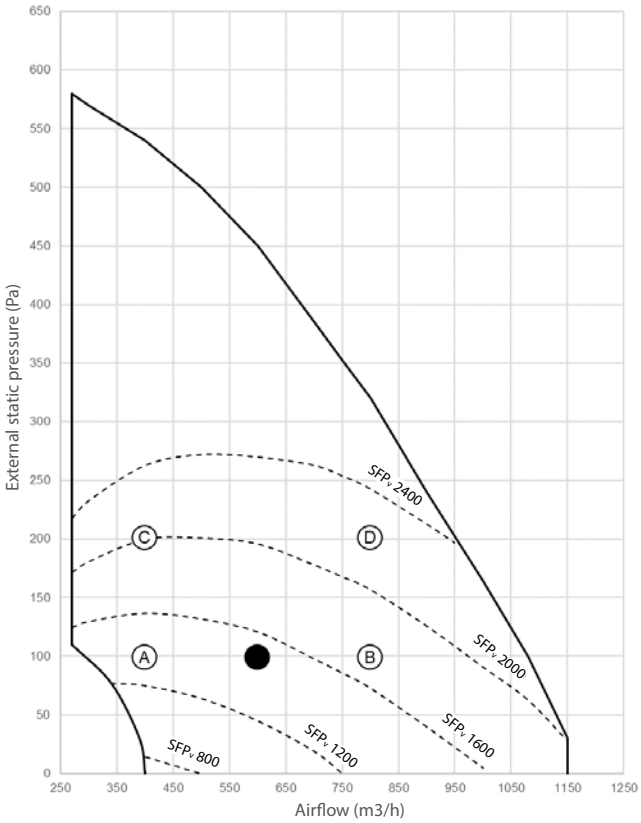
The diagram shows the available external pressure for the duct system given an airflow.

SFPv = Specific Fan Power (W/m3/s)

The SFPv curves are referring to the complete unit. Moreover, it includes power to both supply and extract fan divided by either the supply or extract volume whichever is the greater.

● Nominal working point

ALB03RBS/LBS



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

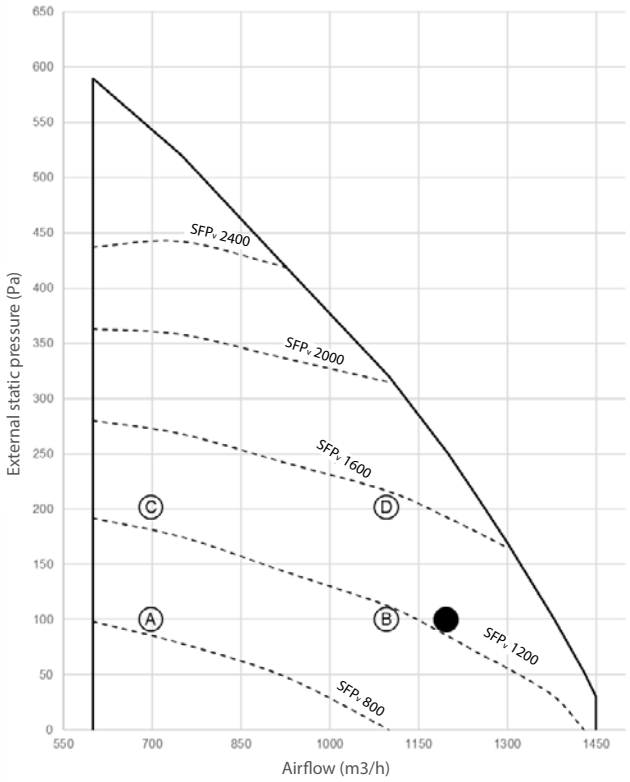
SFPv = Specific Fan Power (W/m3/s)

The SFPv curves are referring to the complete unit. Moreover, it includes power to both supply and extract fan divided by either the supply or extract volume whichever is the greater.

● Nominal working point

VIEW ALL ALB-LBS DRAWINGS ON MY.DAIKIN.EU

ALB04RBS/LBS



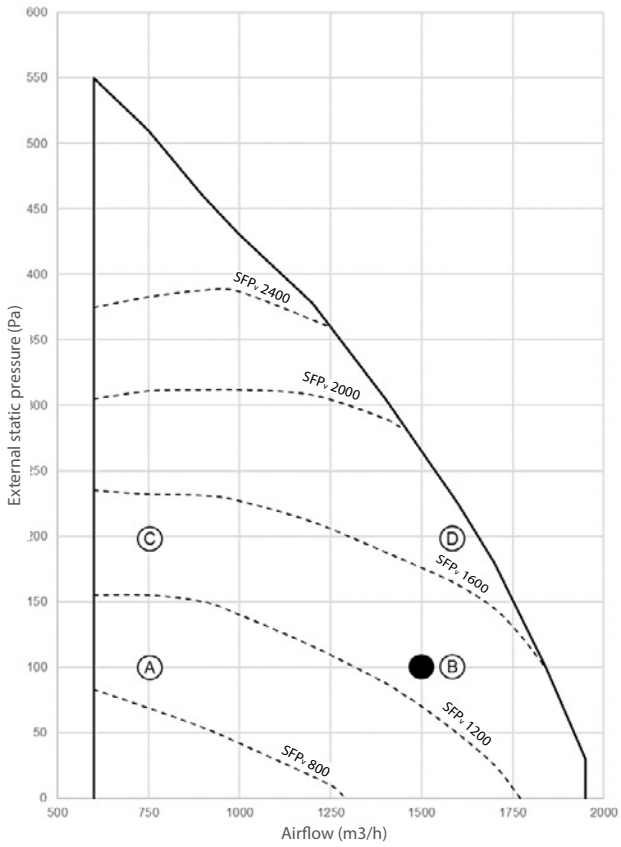
The diagram shows the available external pressure for the duct system given an airflow.

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



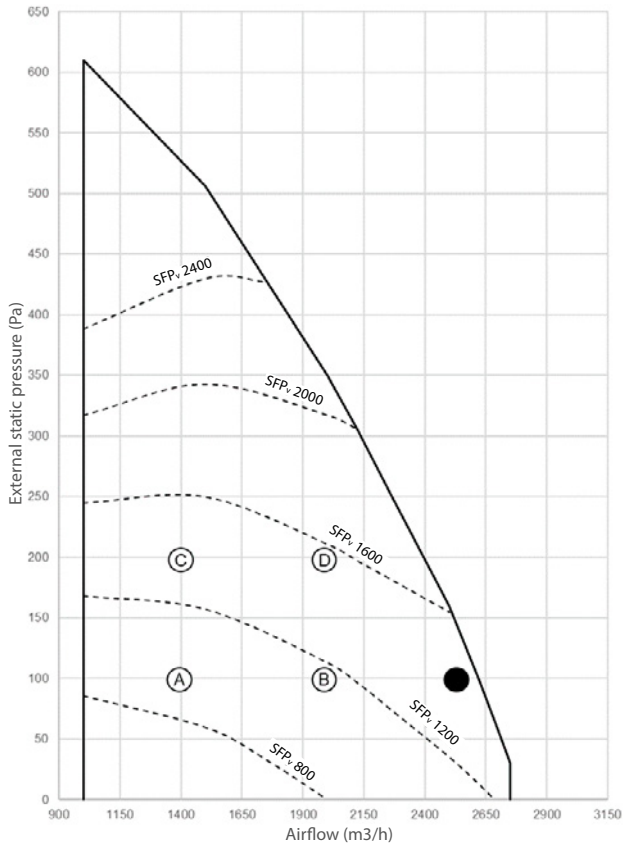
The diagram shows the available external pressure for the duct system given an airflow.

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

ALB06RBS/LBS



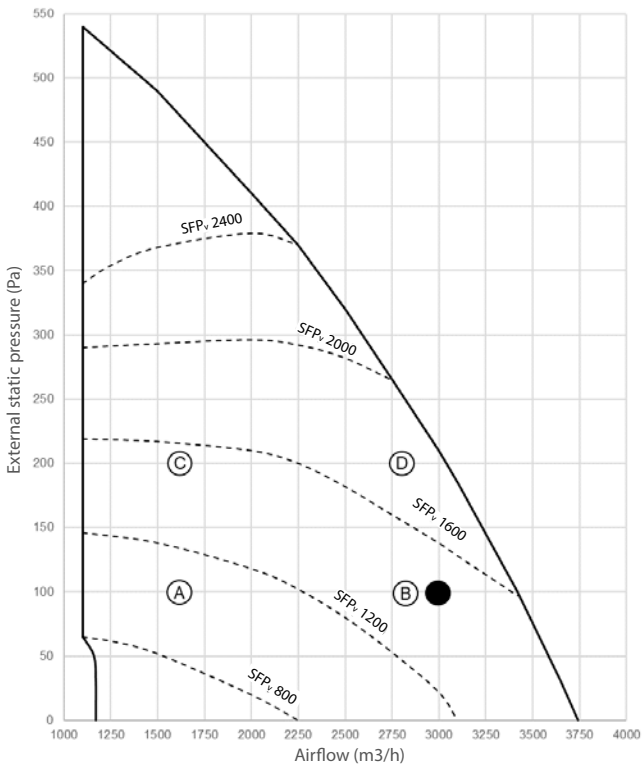
The diagram shows the available external pressure for the duct system given an airflow.

SFPv = Specific Fan Power (W/m3/s)

The SFPv curves are referring to the complete unit. Moreover, it includes power to both supply and extract fan divided by either the supply or extract volume whichever is the greater.

● Nominal working point

ALB07RBS/LBS



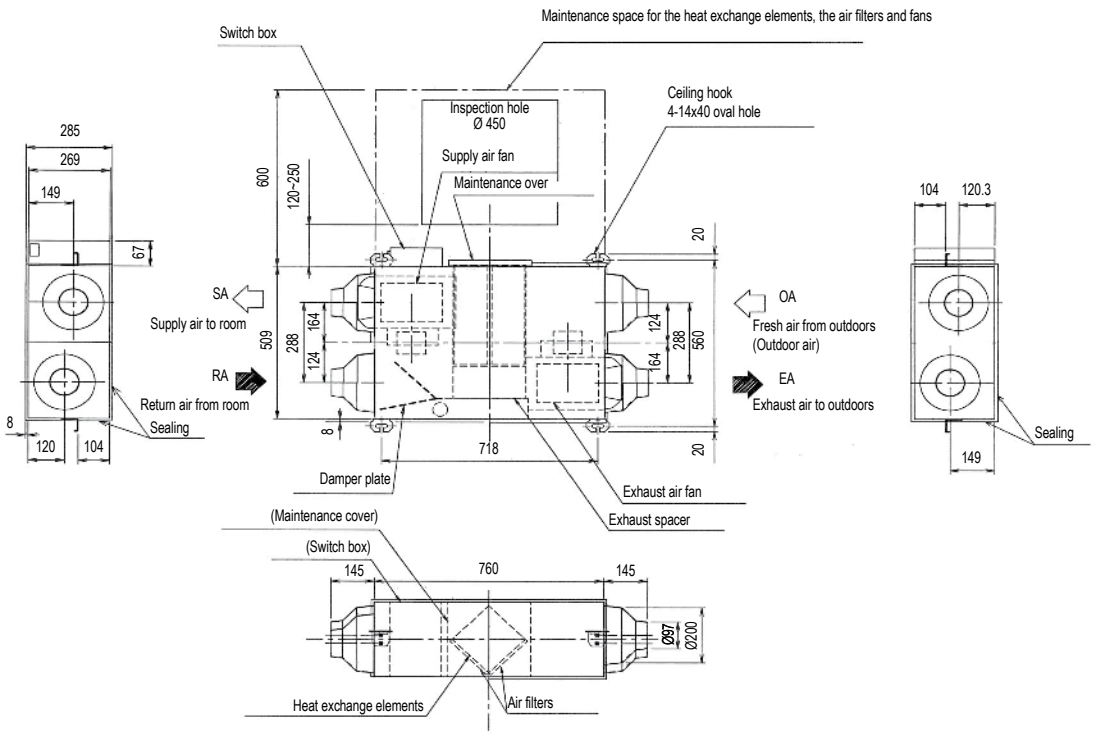
The diagram shows the available external pressure for the duct system given an airflow.

SFPv = Specific Fan Power (W/m3/s)

The SFPv curves are referring to the complete unit. Moreover, it includes power to both supply and extract fan divided by either the supply or extract volume whichever is the greater.

● Nominal working point

VAM150FC9

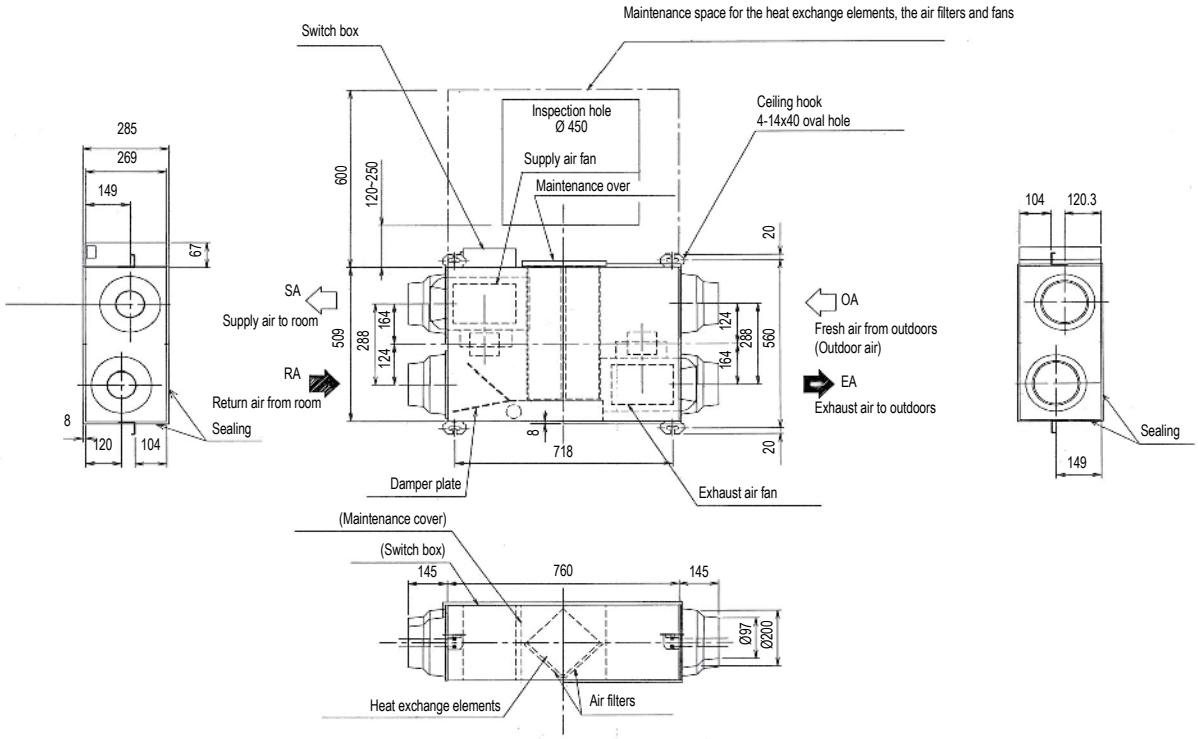


NOTE

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

3TW27874-1

VAM250FC9

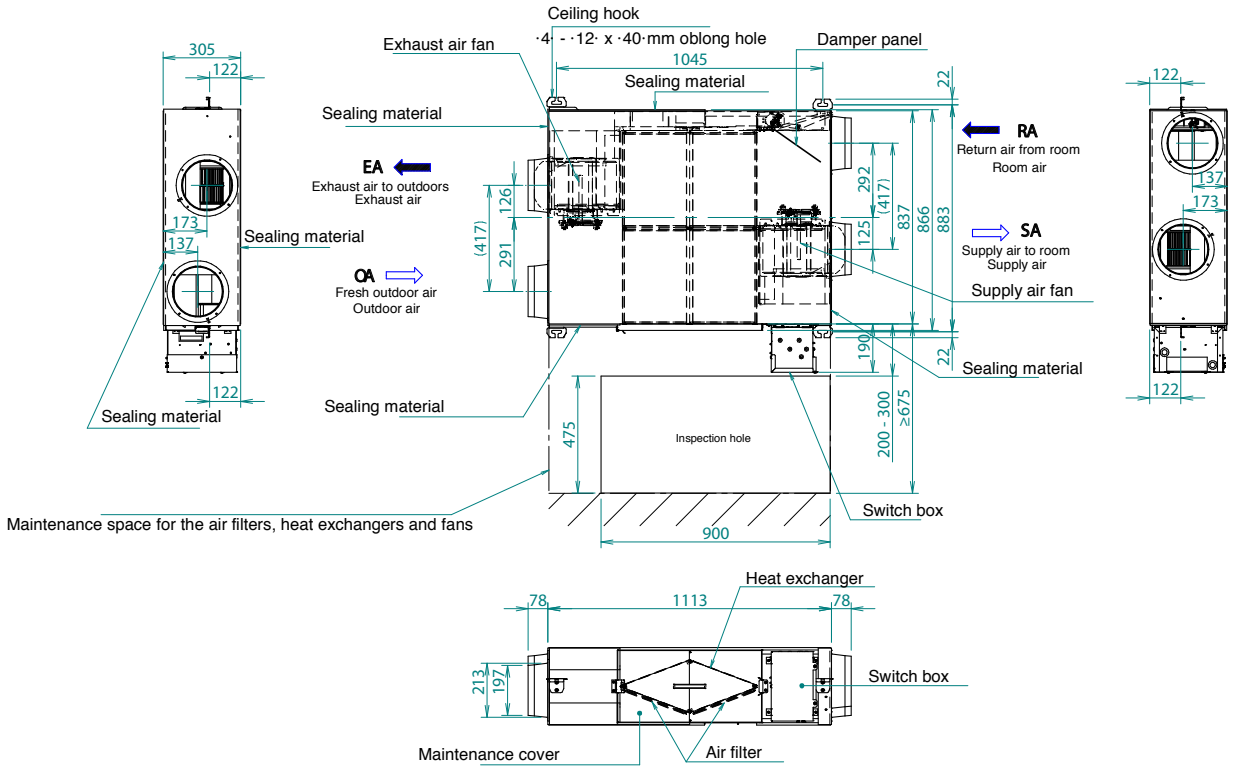


NOTE

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

3TW27884-1

VAM350-500J

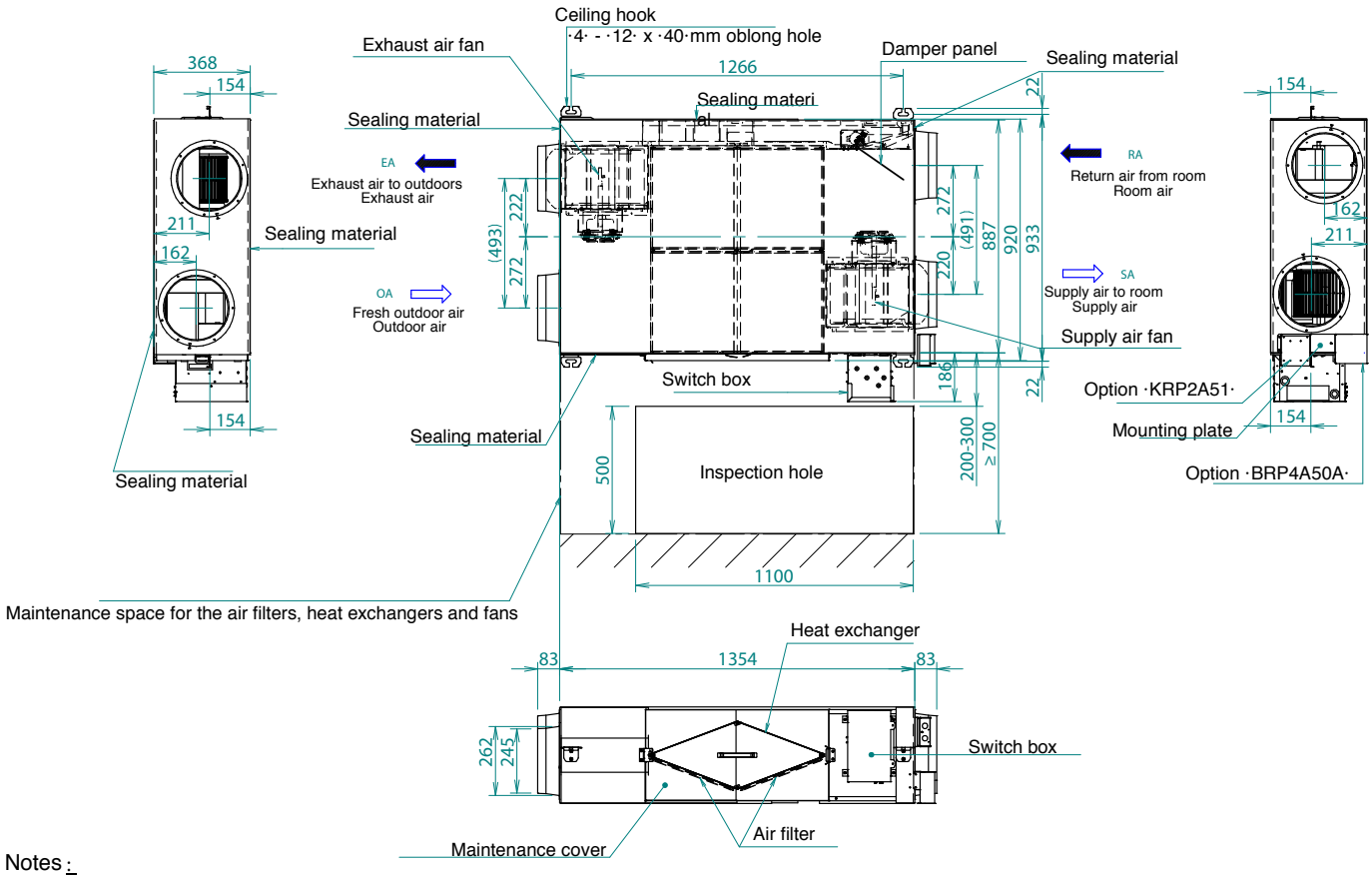


Notes :

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

3D112815C

VAM650J

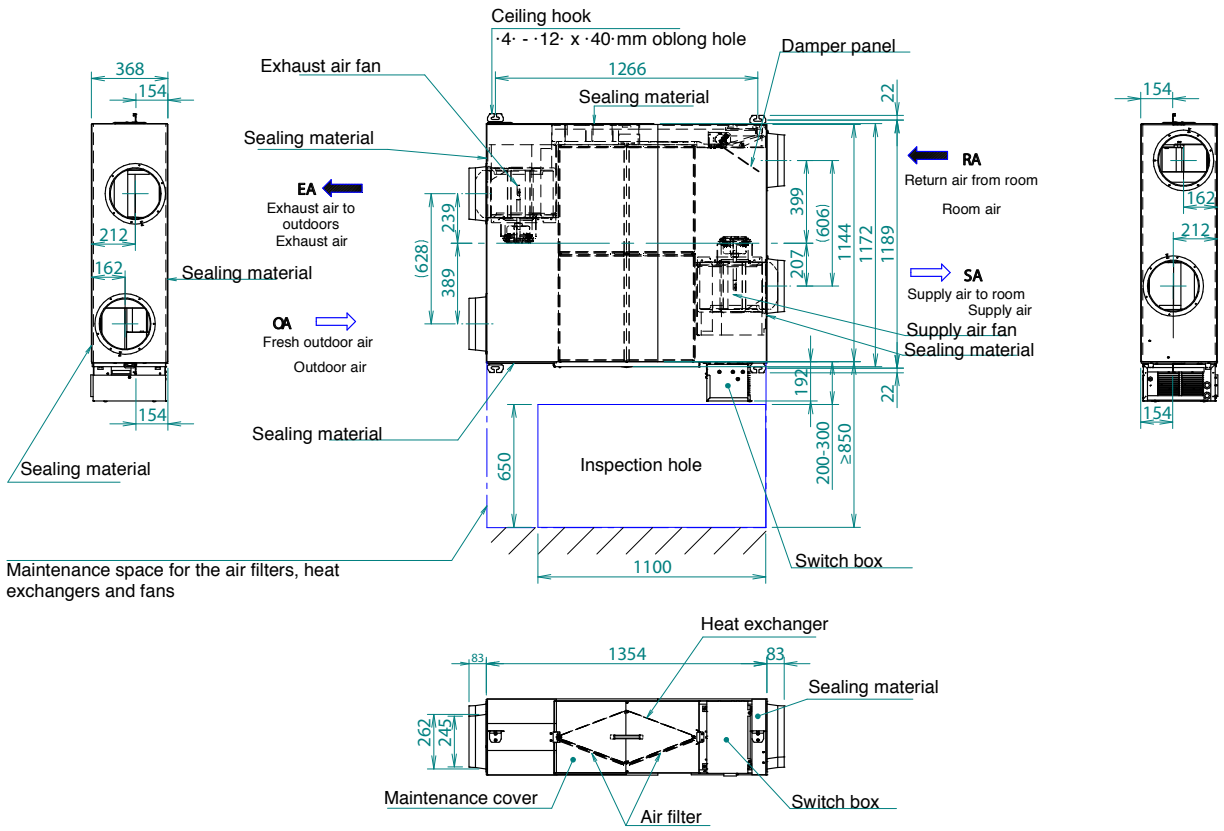


Notes :

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

3D113502A

VAM800-1000J

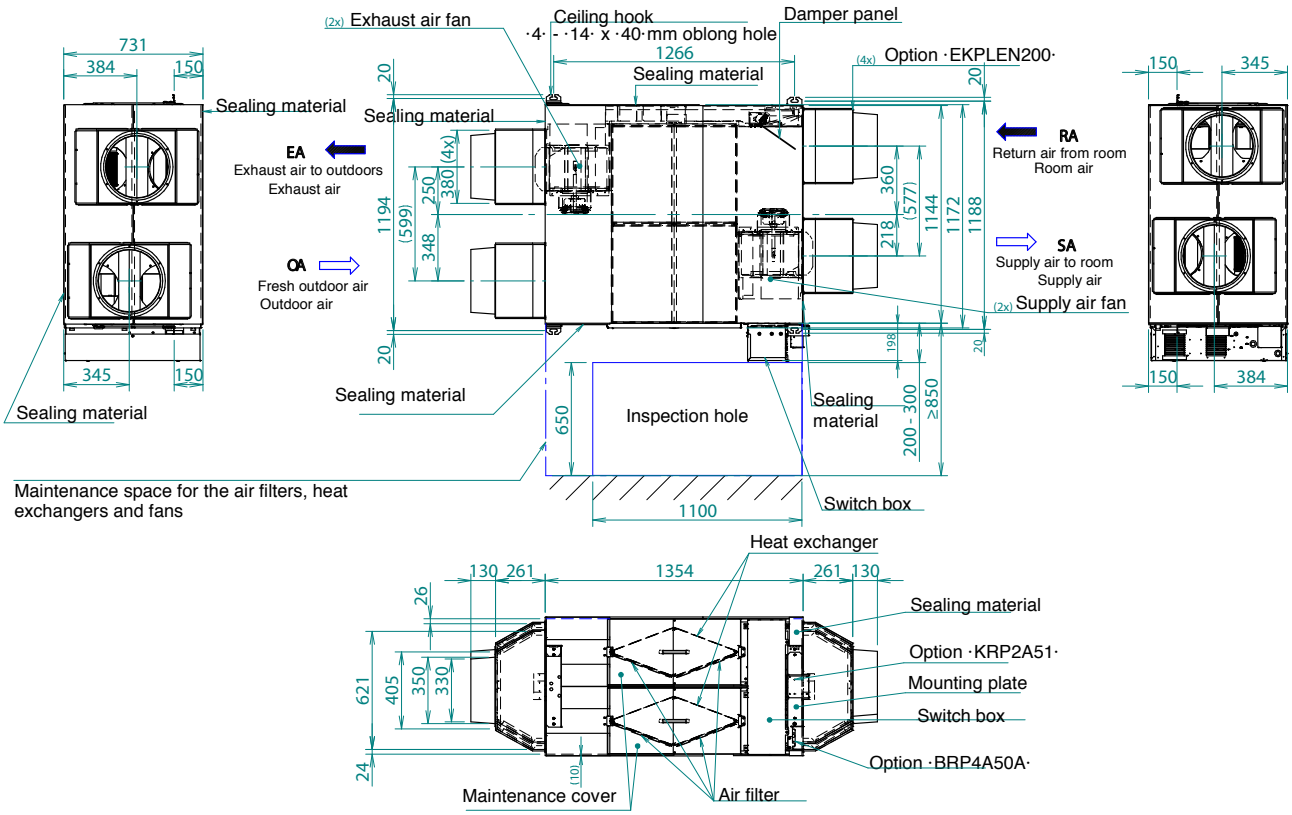


Notes :

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

3D112817D

VAM1500-2000J

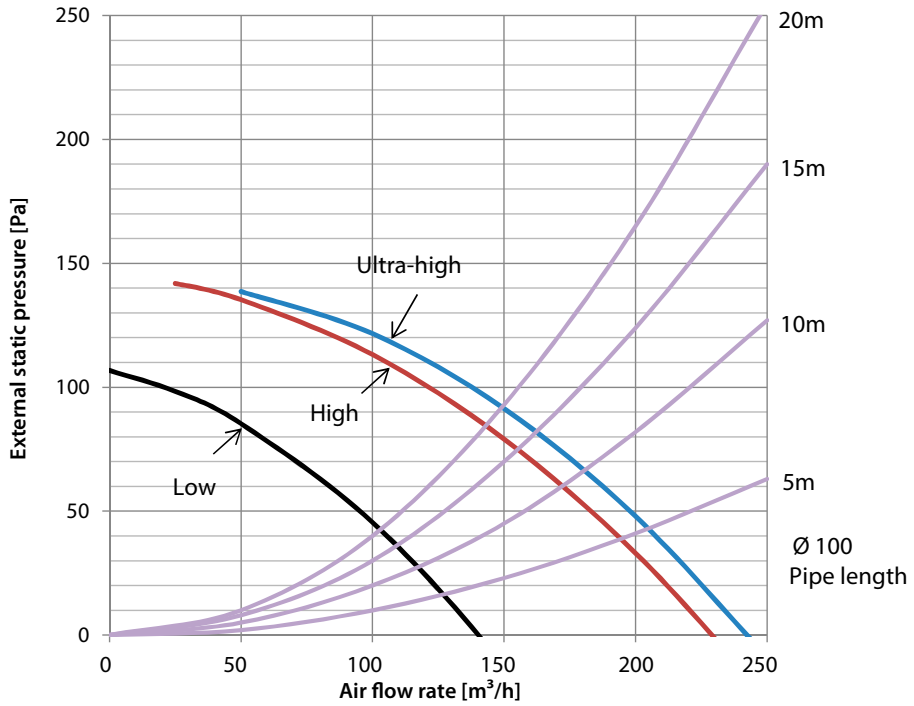


Notes :

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

3D112818C

VAM150FC9

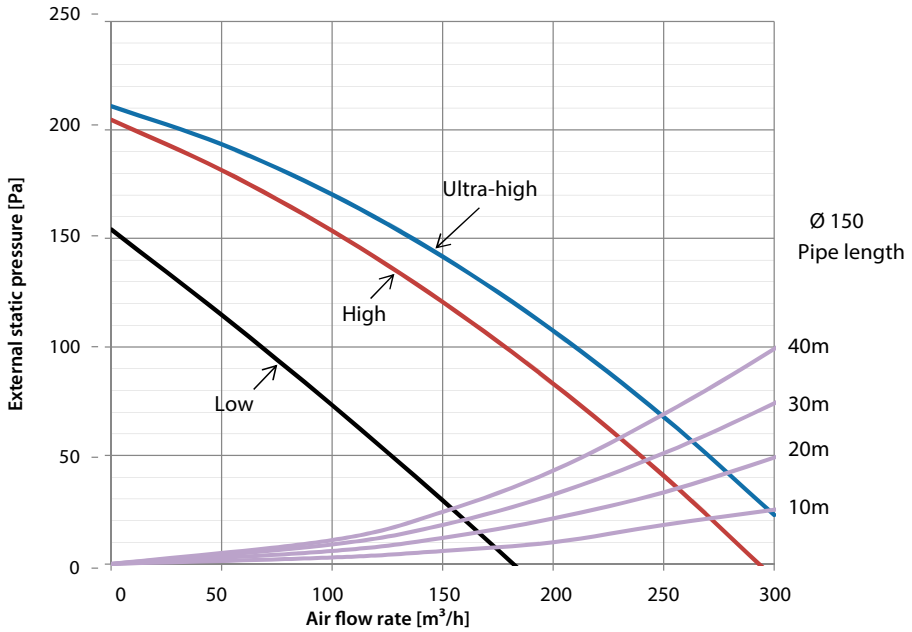


Notes

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

4D100379

VAM250FC



Notes

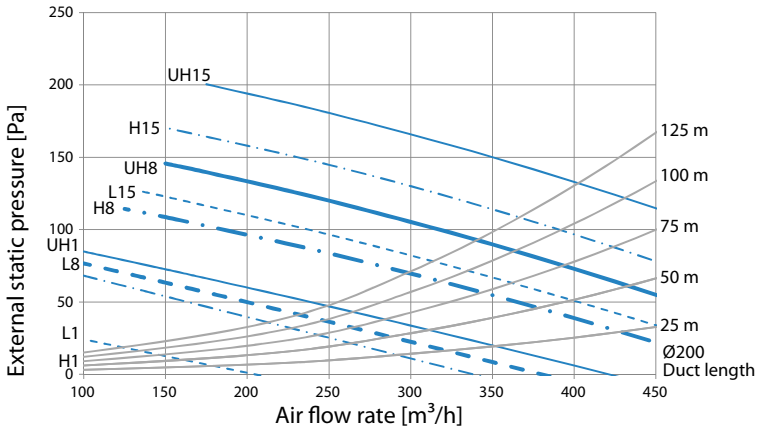
1. The fan speeds are valid for ·230·V, ·50·Hz power supply.

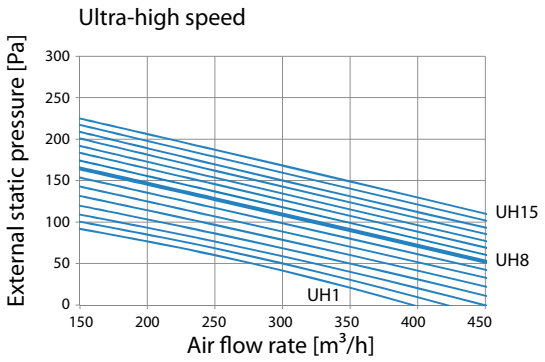
4D100380

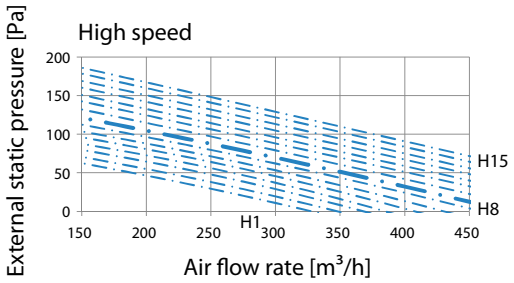
VIEW ALL VAM-FC9 TECHNICAL DRAWINGS ON MY.DAIKIN.EU

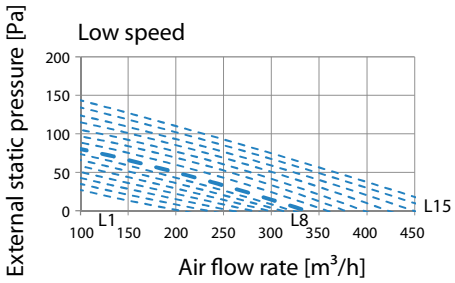
VIEW ALL VAM-J TECHNICAL DRAWINGS ON MY.DAIKIN.EU

VAM350J









Ultra-high speed
High speed
Low speed

Notes

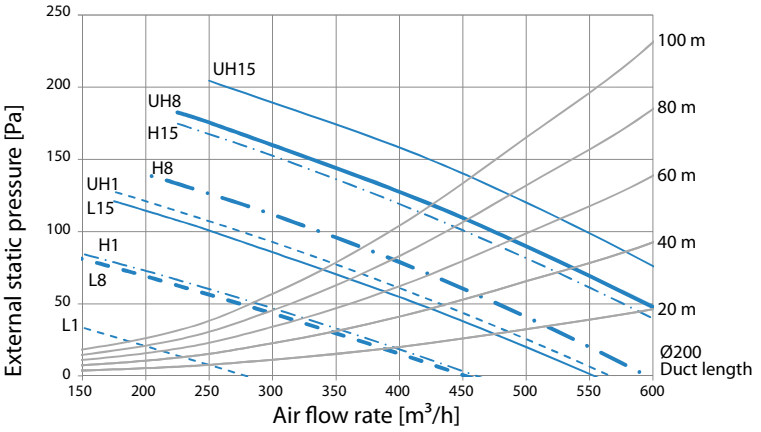
1. The fan curves are determined with ·1/3· of the ESP on the outdoor side (·EA & OA·), and ·2/3· of the ESP on the indoor side (·RA & SA·).
   EA = Exhaust air
   OA = Outdoor air
   RA = Room air
   SA = Supply air
2. Measured according to ·JIS B 8628 - 2003·

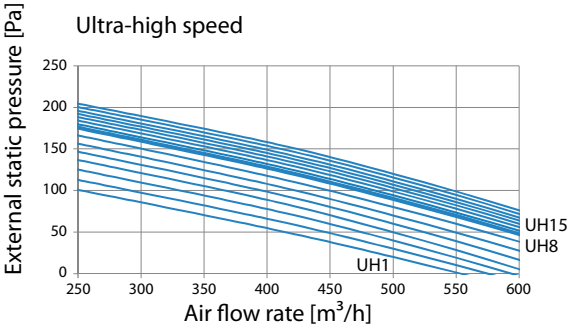
Legend

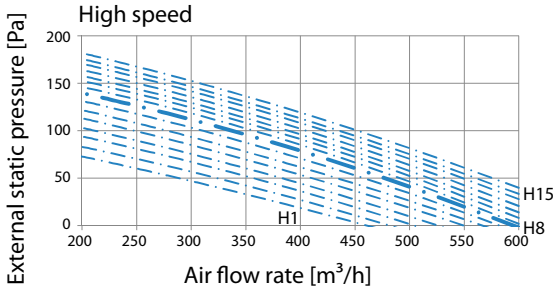
L1 = Low speed lower limit
L8 = Low speed factory setting
L15 = Low speed upper limit
H1 = High speed lower limit
H8 = High speed factory setting
H15 = High speed upper limit
UH1 = Ultra-high speed lower limit
UH8 = Ultra-high speed factory setting
UH15 = Ultra-high speed upper limit

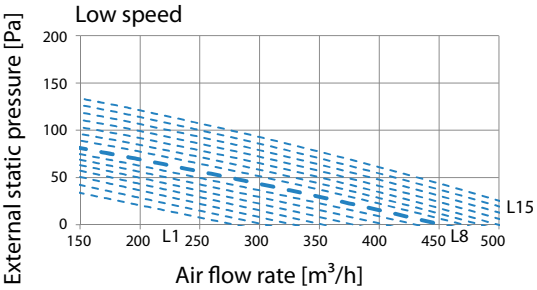
3D113493A

VAM500J









Ultra-high speed
High speed
Low speed

Notes

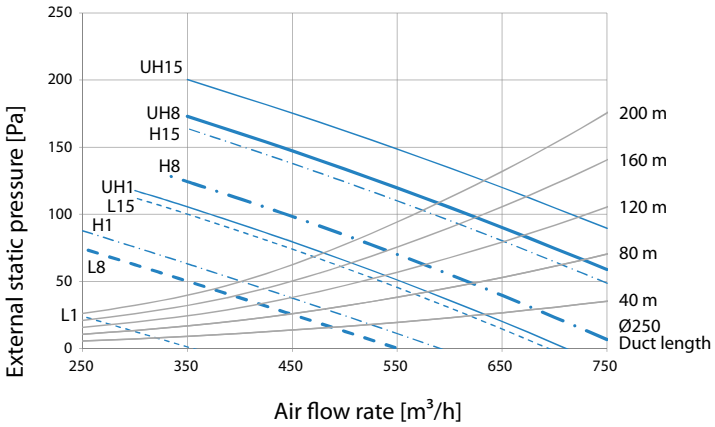
1. The fan curves are determined with ·1/3· of the ESP on the outdoor side (·EA & OA·), and ·2/3· of the ESP on the indoor side (·RA & SA·).
   EA = Exhaust air
   OA = Outdoor air
   RA = Room air
   SA = Supply air
2. Measured according to ·JIS B 8628 - 2003·

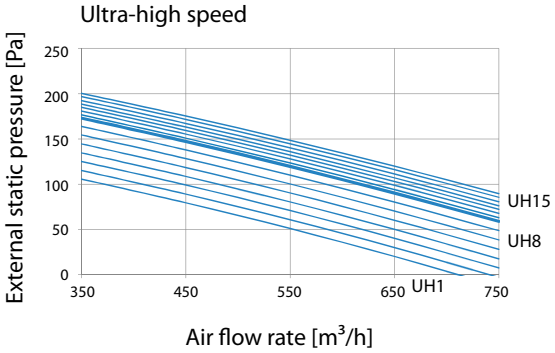
Legend

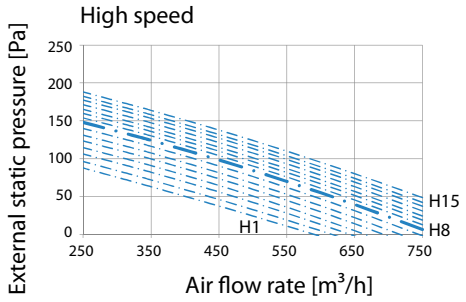
L1 = Low speed lower limit
L8 = Low speed factory setting
L15 = Low speed upper limit
H1 = High speed lower limit
H8 = High speed factory setting
H15 = High speed upper limit
UH1 = Ultra-high speed lower limit
UH8 = Ultra-high speed factory setting
UH15 = Ultra-high speed upper limit

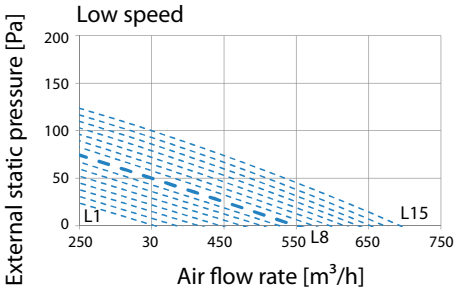
3D113494A

VAM650J









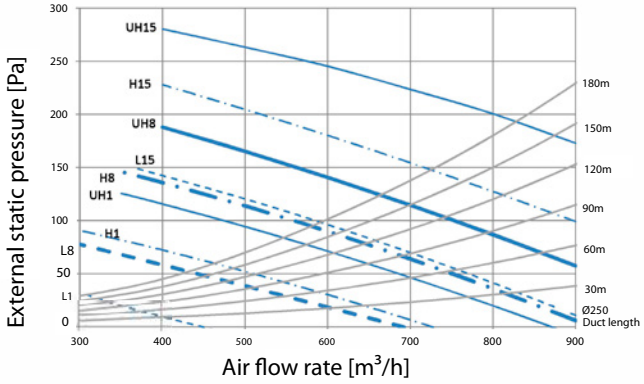
Ultra-high speed
High speed
Low speed

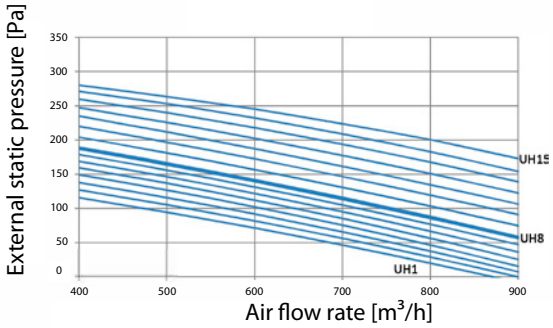
Notes
1. The fan curves are determined with 1/3 of the ESP on the outdoor side (EA & OA), and 2/3 of the ESP on the indoor side (RA & SA).
   EA = Exhaust air
   OA = Outdoor air
   RA = Room air
   SA = Supply air
2. Measured according to ·JIS B 8628 - 2003·

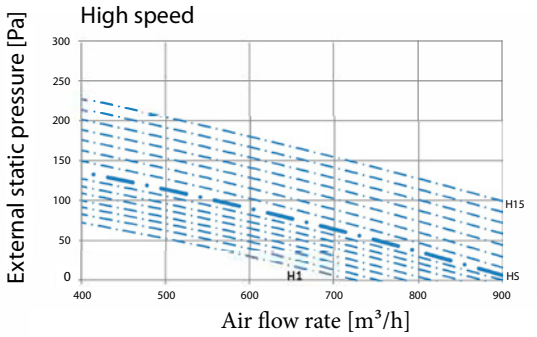
Legend
L1 = Low speed lower limit
L8 = Low speed factory setting
L15 = Low speed upper limit
H1 = High speed lower limit
H8 = High speed factory setting
H15 = High speed upper limit
UH1 = Ultra-high speed lower limit
UH8 = Ultra-high speed factory setting
UH15 = Ultra-high speed upper limit

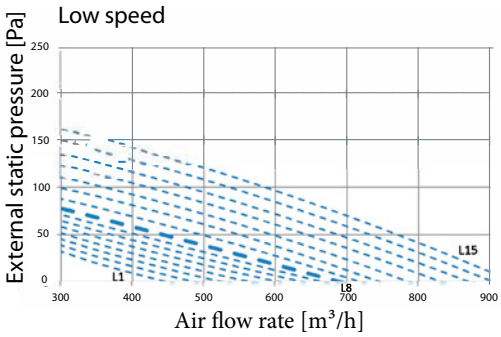
3D113495A

VAM800J









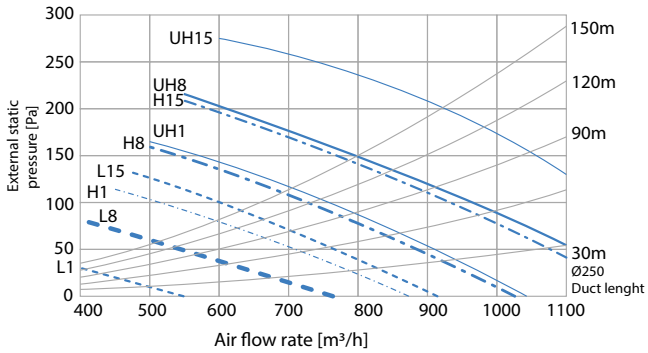
Ultra-high speed
High speed
Low speed

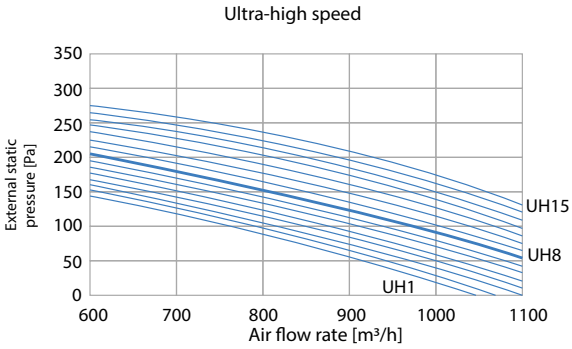
Notes
1. The fan curves are determined with 1/3 of the ESP on the outdoor side (EA & OA), and 2/3 of the ESP on the indoor side (RA & SA).
   EA = Exhaust air
   OA = Outdoor air
   RA = Room air
   SA = Supply air
2. Measured according to ·JIS B 8628 - 2003·

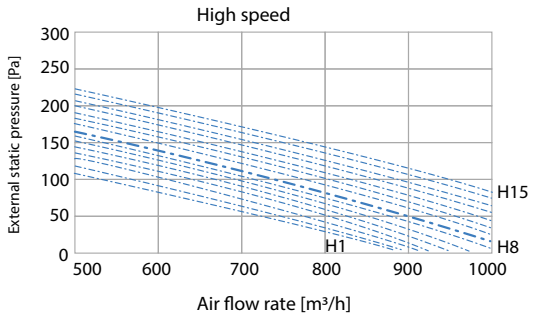
Legend
L1 = Low speed lower limit
L8 = Low speed factory setting
L15 = Low speed upper limit
H1 = High speed lower limit
H8 = High speed factory setting
H15 = High speed upper limit
UH1 = Ultra-high speed lower limit
UH8 = Ultra-high speed factory setting
UH15 = Ultra-high speed upper limit

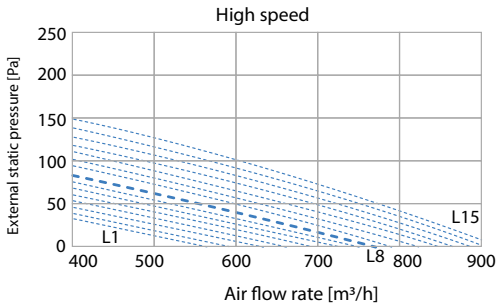
3D112837

VAM1000J









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

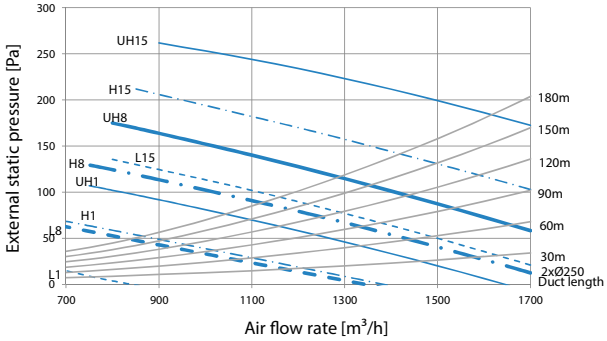
2. Measured according to ·JIS B 8628 - 2003·

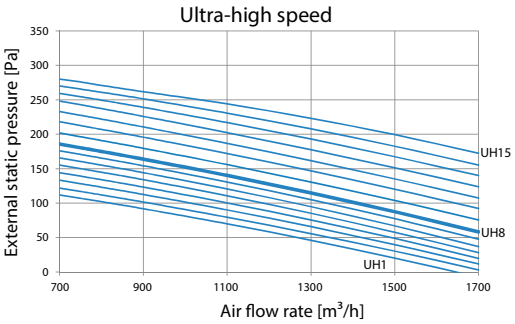
Ultra-high speed
High speed
Low speed

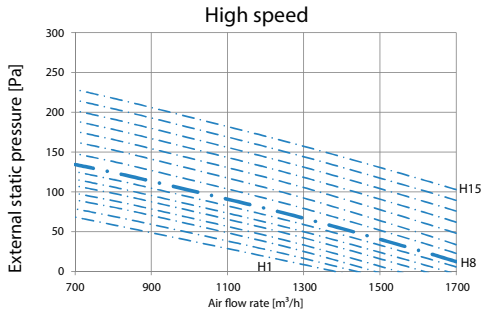
Legend
L1 = Low speed lower limit
LB = Low speed factory setting
L15 = Low speed upper limit
H1 = High speed lower limit
H8 = High speed factory setting
H15 = High speed upper limit
UH1 = Ultra-high speed lower limit
UH8 = Ultra-high speed factory setting
UH15 = Ultra-high speed upper limit

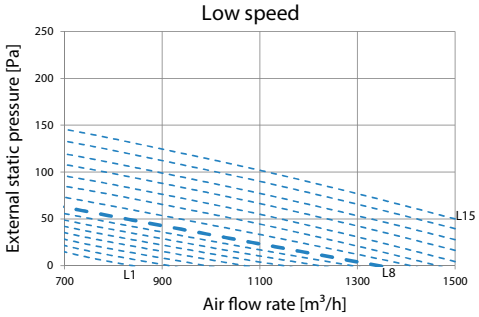
D112832

VAM1500J









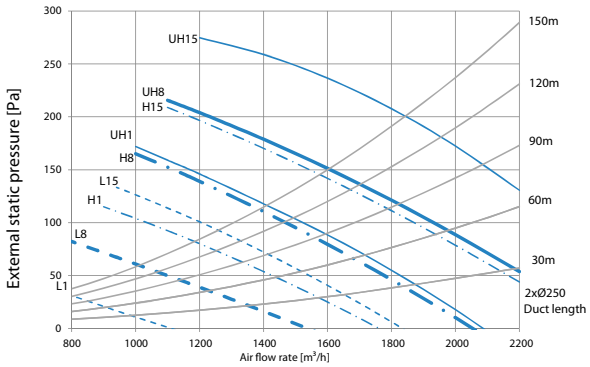
Notes
1. The fan curves are determined with ·1/3· of the ESP on the outdoor side (·EA & OA·),and ·2/3· of the ESP on the indoor side (·RA & SA·).
EA = Exhaust air
OA = Outdoor air
RA = Room air
SA = Supply air
2 .Measured according to ·JIS B 8628 - 2003·

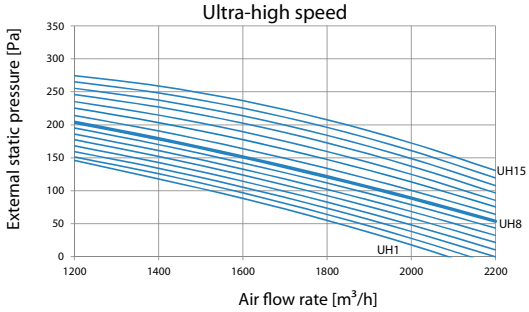
Ultra-high speed
High speed
Low speed

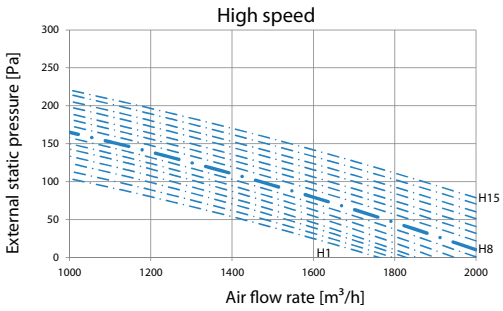
Legend
L1 = Low speed lower limit
L8 = Low speed factory setting
L15 = Low speed upper limit
H1 = High speed lower limit
H8 = High speed factory setting
H15 = High speed upper limit
UH1 = Ultra-high speed lower limit
UH8 = Ultra-high speed factory setting
UH15 = Ultra-high speed upper limit

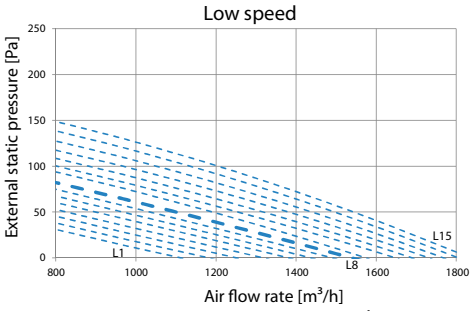
3D112838

VAM2000J









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·

Ultra-high speed
High speed
Low speed

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

3D112839

DAIKIN

More flexibility for your business

with single fan casings in the whole Sky Air range

Unique to the market: We proudly present our new low-height single fan outdoor units across all Sky Air ranges – from 3.5 to 25 kW.

- More flexibility in positioning, easier transport and installation
- Market-leading serviceability and handling – with easy access to all components and 7-segment display
- Reliable cooling thanks to refrigerant cooled PCB
- Full portfolio of connectable R-32 indoor units

www.daikin.eu/skyairbluevolution

BLUEVOLUTION

SkyAir Alpha-series

SkyAir Advance-series

Daikin Europe N.V. Naamloze Vennootschap Zandvoordestraat 300 · 8400 Oostende · Belgium · www.daikin.eu · BE 0412 120 336 · RPR Oostende (Publisher)

FSC

EUROVENT CERTIFIED PERFORMANCE
www.eurovent-certification.com

Daikin Europe N.V. participates in the Eurovent Certified Performance programme for Fan Coil Units and Variable Refrigerant Flow systems. Check ongoing validity of certificate: www.eurovent-certification.com

ECPEN20-100 03/20

CERTIFIED LR ISO 9001 · ISO 14001

CE

The present publication is drawn up by way of information only and does not constitute an offer binding upon Daikin Europe N.V. Daikin Europe N.V. has compiled the content of this publication to the best of its knowledge. No express or implied warranty is given for the completeness, accuracy, reliability or fitness for particular purpose of its content and the products and services presented therein. Specifications are subject to change without prior notice. Daikin Europe N.V. explicitly rejects any liability for any direct or indirect damage, in the broadest sense, arising from or related to the use and/or interpretation of this publication. All content is copyrighted by Daikin Europe N.V.

Printed on non-chlorinated paper.