DAIKIN

Sky Air A-series

Our mission

Achieve the lowest environmental impact

Introducing the new Sky Air A-series with ultra-efficient Bluevolution R-32 technology

BLUEVOLUTION A++

The new Sky Air with R-32 delivers future proofed, best-in-class climate control for your business and customers.

Why choose Sky Air A-series

Geared for comfort

- ☑ Intuitive online control
- ☑ Variable Refrigerant Temperature for optimal comfort
- ☑ Tailored to your customers' needs

Great design flexibility, making planning easier

- ☑ More compact
- ☑ Quieter
- ☑ Extended operating range in all climate conditions

Help is at hand, installer benefits

- ☑ Faster and easier installation and usability
- ☑ Quick & reliable replacement

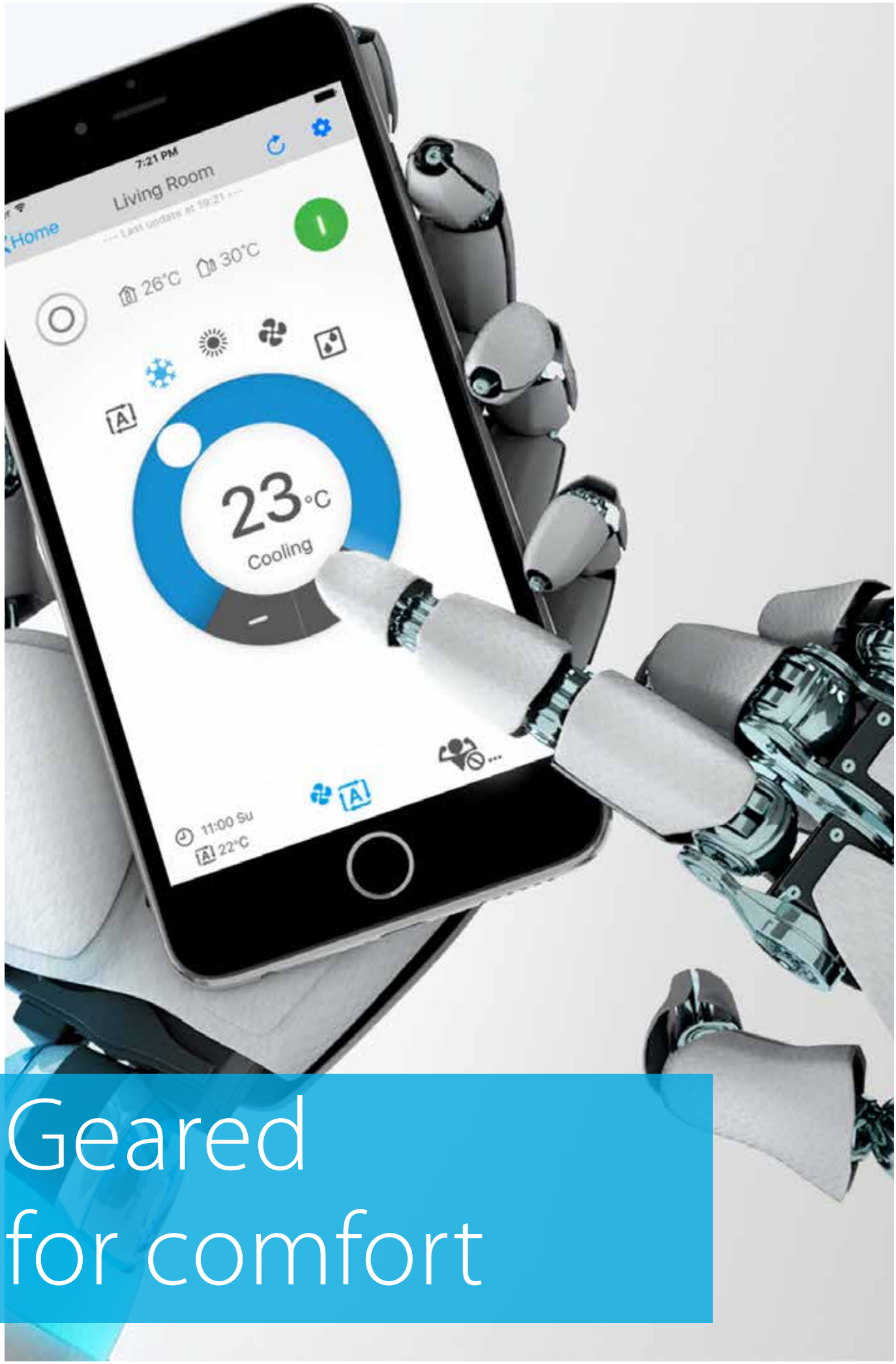
Daikin at the heart of the system

- ☑ Exceptionally low running costs, SEER up to 7.7
- ☑ Low environmental impact, R-32 refrigerant GWP is 68% lower than R-410A
- ☑ Equipped with tested and trusted Daikin technology

BLUEVOLUTION

R-32 is an industry revolution. Be part of it.

› R-32 is far more environmentally friendly than previous refrigerants
› Daikin leads the market with R-32 developments
› First full light commercial range with R-32 in the market

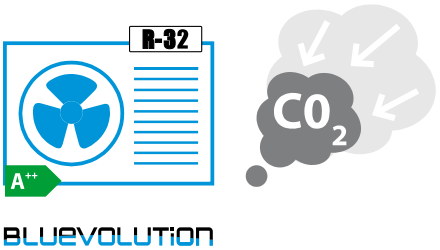


Geared for comfort

Achieving the lowest environmental impact

Europe's first light commercial system using R-32 refrigerant

- R-32 Global Warming Potential (GWP) is 68% lower than the industry standard R-410A
- Highest efficiency (SEER up to 7.7) in the market
- Does not require yearly refrigerant containment checks, which reduces maintenance costs
- Contains up to 16% lower refrigerant charge



Unrivalled comfort

With the highest energy efficiencies, the Sky Air A-series uses Daikin Variable Refrigerant Technology to optimise comfort and flexibility to meet each customers' needs.

- Eliminates cold drafts
- Weather dependent setting

The unique round flow cassette ensures superior indoor comfort at the best energy efficiency to keep your customers shopping longer

- Unique 360° air discharge to avoid hot spots
- Intelligent sensors and Variable Refrigerant Temperature avoid cold draughts and ensure energy is used efficiently
- Near silence operation thanks to quiet mode

App Control

Whether you're a small or large commercial business, our product range provides just the solution to meet your needs.

Online Controller

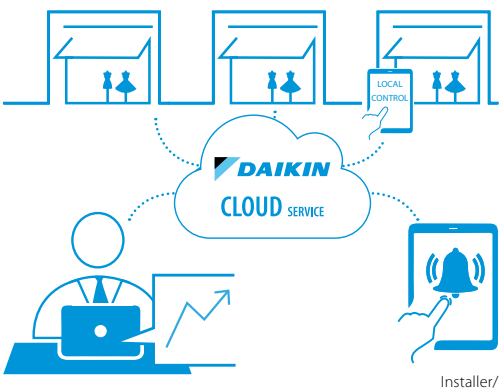
- Simple control from your smartphone
- Control your device at anytime from anywhere
- For single shop control
- 3rd party products and services integration via IFTTT

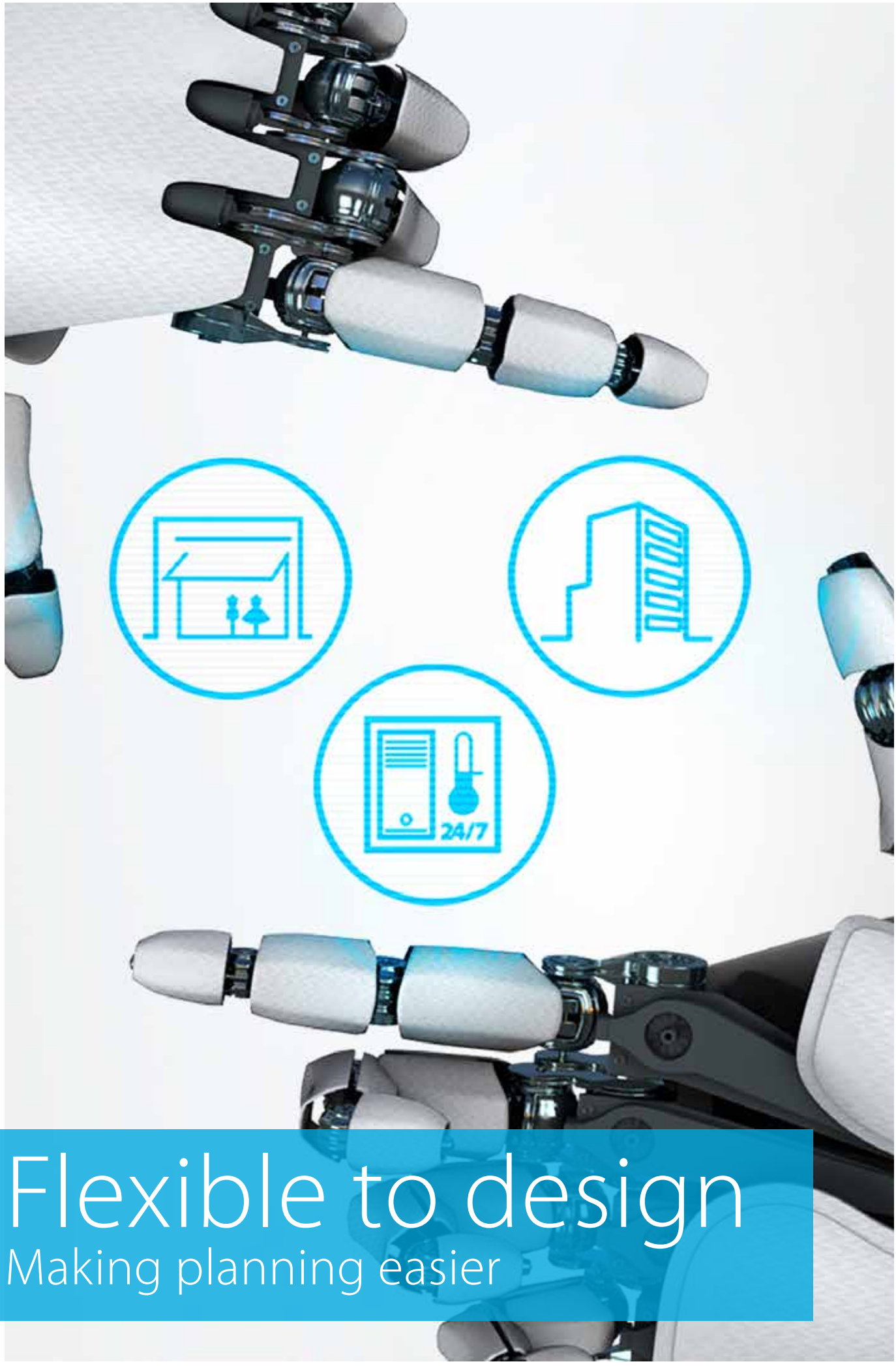
- IFTTT is a solution that connects compatible 3rd party products and services (smart meters, lights, thermostats, ...), so they work best for you.

intelligent Tablet Controller

- User-friendly touch screen to centrally control your A/C and alarms
- Connects to the Daikin Cloud Service
- Built for multi-site control and monitoring
- Installers and technical managers receive alarm so they can provide remote assistance

From one to ∞ sites





Flexible to design

Making planning easier

The new Sky Air A-series,

built for any Sky Air application

Lighter and more compact units for easy on-site placement. Unique single fan range up to 14 kW

Full range below 1m in height!

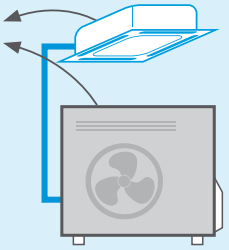
New replacement technology

A quicker, easier and more reliable approach when replacing existing systems

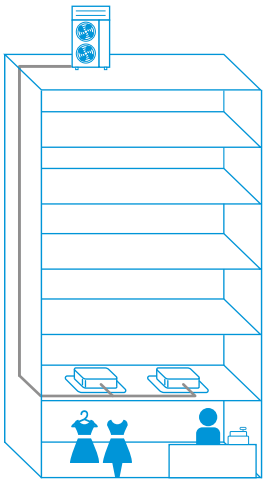
- Reduces any potential disruption and results in a system that significantly reduces energy consumption and bills for customers
- Hepta filtration ensures reliable operation without the need for pipe cleaning
- Cost and time effective solution, as the indoor and outdoor units only need be to changed. while keeping the pipe-work

Replace indoor and outdoor units
Replace Daikin and other manufacturer systems

Reuse existing piping and wiring

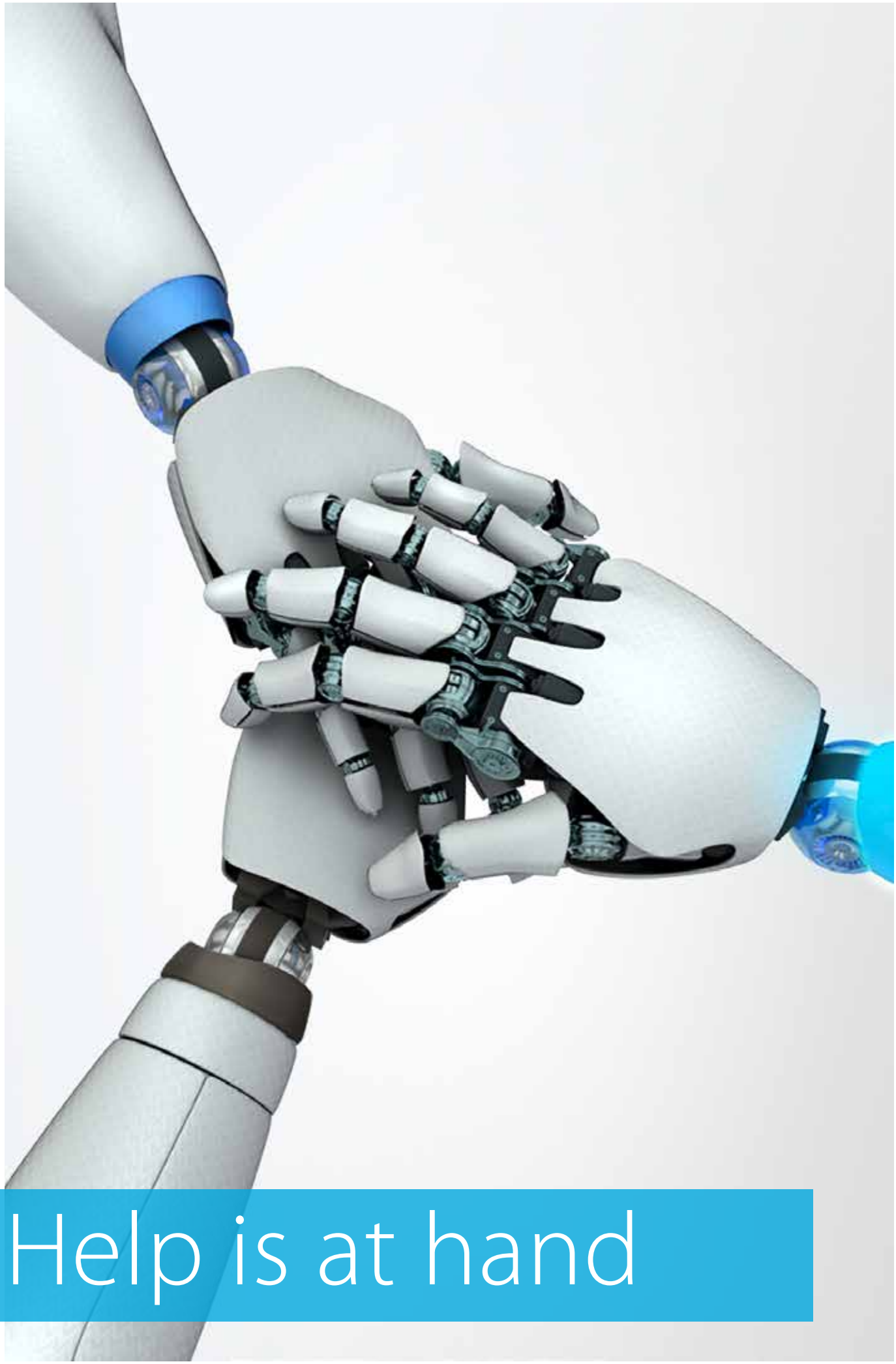


Increased piping length up to 85m



Widest operation range

- Cooling operation from -20°C to 52°C
- Heating operation down to -20°C



Help is at hand

Benefits
for installers

Faster installation **with up to 40m pre-charged pipe**

› Up to 60% of applications can be installed without additional refrigerant charge

Redesigned **pivoting front plate** for easy access to vital system components

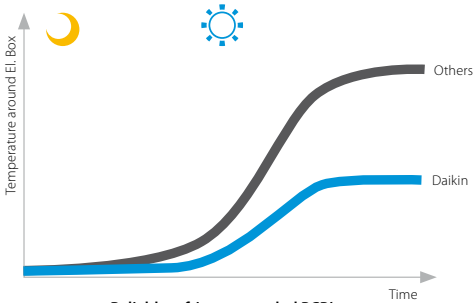
New **7-segment display** to view errors and systems settings

Guaranteed **reliable performance in all weather conditions**, so installers can expect fewer call-outs to site

› **New refrigerant passes**
Lower part of the outdoor heat exchanger and drain holes are kept completely open and free of ice allowing ice water to evacuate perfectly, eliminating all risk of ice build-up.

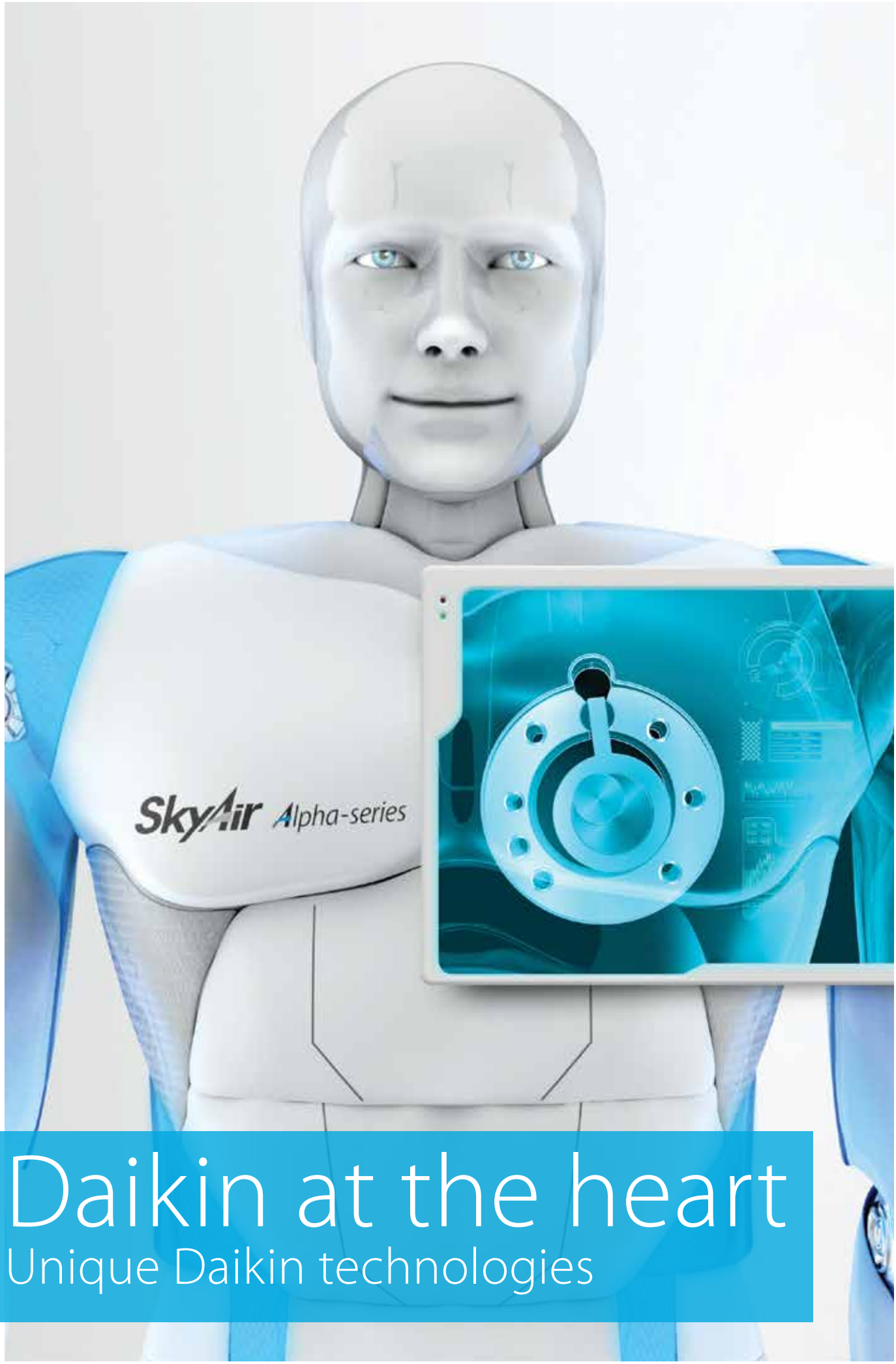
bottom plate refrigerant pass

› **Refrigerant cooled PCB's**
Reliable and stable cooling, independent from outdoor conditions



Reliable refrigerant cooled PCB's

Integrated **leak-check function** reduces on-site checks and improves reliability



Daikin at the heart

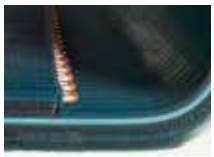
Unique Daikin technologies

A future-proof solution.

Daikin Sky Air A-series uses patented Daikin technology at the heart of the system

3-row heat exchanger

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



Refrigerant cooled PCB

Jigsaw curved propeller

› Curved discharge grill and Jigsaw curved propeller for minimal turbulence and optimal airflow

Daikin swing compressor

UNIQUE & PATENTED TECHNOLOGY

R-32

Integration of main moving parts into one component

› No abrasion
› No refrigerant leakages

› High compressor efficiencies
› Increased system life span

Bottom plate and heat exchanger refrigerant pass

› Drain holes are kept ice free

The three new leaders

Outdoor units products overview

Sky Air A-series
BLUEVOLUTION

Pair and/or twin, triple, double twin applications

System	Type	Model	Availability	Product name	PG	71	100	125	140
						6.8 kW	9.5 kW	12.1 kW	13.4 kW
Air cooled	Heat pump	**Sky Air** *Alpha-series* R-32 A++ - Industry leading technology for commercial applications - Dedicated solution for infrastructure cooling - Variable Refrigerant Temperature - Maximum piping length up to 85m - Replacement technology - Extended operation range down to -20°C in both heating and cooling - Pair, twin, triple and double twin application	June '17	RZAG-MV1	15				
				RZAG-MY1	15				
		Sky Air *Advance-series* R-32 A+ - Technology and comfort combined for commercial applications - Very compact and easy to install outdoor units - Maximum piping length up to 50m - Replacement technology - Operation range down to -15°C both cooling and in heating - Pair, twin, triple and double twin application	July '17	RZASG-MV1	16				
				RZASG-MY1	16				
		Sky Air *Active-series* R-32 A - 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 - Outdoor units with swing or scroll compressor - Exclusively offered for pair applications	July '17	AZAS-MV1	17				
				AZAS-MY1	17				

Main benefit overview

			Sky Air Alpha-series	Sky Air Advance-series	Sky Air Active-series
			RZAG-MV1 / MY1	RZASG-MV1 / MY1	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+	A
	Inverter technology	In combination with inverter controlled outdoor units	●	●	●
	Replacement technology	Service and maintenance with R-22 is prohibited after 1/01/2015, meaning repairs will be impossible to R-22 systems. Avoid unexpected downtime for your customers and replace these systems now!	●	●	●
Comfort	Night quiet	Lowers the operation sound of the outdoor unit automatically.	●	●	●
	Auto cooling-heating changeover	Automatically selects cooling or heating mode to achieve the set temperature.	●	●	●
Other functions	Variable refrigeration temperature	The intelligent systems ensures highest energy savings with additional comfort to better suit application requirements.	●		
	Twin/triple/double twin application	2, 3 or 4 indoor units can be connected to only 1 outdoor unit even if they have different capacities. All indoor units operate within the same mode (cooling or heating) from one remote control.	●	●	
	Swing compressor	Outdoor units are fitted with a swing compressor, renowned for its low noise and high reliability	●	●	●
	Guaranteed operation down to -20°C	Daikin is suitable for all climates, even withstanding severe winter conditions with an operation range down to -20°C.	●		
	Infrastructure cooling	For high sensible, infrastructure cooling applications, dedicated infrastructure cooling settings and allowing asymmetric combinations enhance the system's reliability.	●		

Technical benefits

Compact single fan casing		●	●
Increased piping possibility	85 m	50 m	30 m
New frontplate design	●	●	●
7 segment display	●	●	●
Increased factory charge	●		
Integrated leak check	●		
Refrigerant bottom plate pass	●		
Refrigerant HEX pass	●	●	●
Swing compressor on R-32	●	●	●
Refrigerant cooled PCB's	●	●	●
Intelligent Tablet controller - Online controller app	●	●	●

R-32

Sky Air Alpha-series BLUEVOLUTION

Sky Air Alpha-series

Industry leading technology for commercial applications and technical rooms

› Top efficiency:
  • energy labels up to A++ in both cooling and heating
  • compressor offers substantial improvements in efficiency
› The perfect balance in efficiency and comfort due to Variable Refrigerant Temperature: top seasonal efficiency throughout most of the year and quick reaction speed on the hot days.

› For high sensible infrastructure cooling applications
› Replace existing systems without having to replace the piping
› Extended operation range down to -20°C in heating and cooling
› With a gas cooled PCB, reliable cooling is guaranteed, as it is not influenced by ambient temperature
› Maximum piping length up to 85m

RZAG100-140MV1/MY1

Comfort cooling combination table

		FCAHG-G				FCAG-A							FFA-A			FDA-A	FDXM-F3			FBA-A							FHA-A							FAA-A		FUA-A			FNA-A			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	71	100	125	35	50	60	71	100	125	140
RZAG71MV1	RZAG71MY1					2			P				2				2			2			P				2			P				P		P			2			P			
RZAG100MV1	RZAG100MY1		P			3	2			P			3	2			3	2		3	2			P			3	2			P				P		P			3	2			P		
RZAG125MV1	RZAG125MY1			P		4	3	2			P		4	3	2	P	4	3	2	4	3	2			P		4	3	2			P								4	3	2			P	
RZAG140MV1	RZAG140MY1	2			P	4	3		2			P	4	3			4	3		4	3		2			P	4	3		2			P	2		2			4	3					P

P = application ; 2/3/4 = twin/tripple/double twin application

Infrastructure cooling combination table

		FAA-A		FHA-A							FBA-A							FDXM-F3			FUA-A			FVA-A				FFA-A			FCAHG-G				FCAG-A							
capacity class		71	100	35	50	60	71	100	125	140	35	50	60	71	100	125	140	35	50	60	71	100	125	71	100	125	140	35	50	60	71	100	125	140	35	50	60	71	100	125	140
RZAG71MV1	RZAG71MY1		P	3	2			P			3	2			P			3	2			P			P			3	2						3	2			P		
RZAG100MV1	RZAG100MY1	2		4	3		2			P	4	3		2			P	4	3		2						P	4	3		2			P	4	3		2			P
RZAG125MV1	RZAG125MY1	2		4	3		2			P	4	3		2			P	4	3		2						P	4	3		2			P	4	3		2			P
RZAG140MV1	RZAG140MY1	2		4	3		2			P	4	3		2			P	4	3		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 our **my.daikin.eu**

RZAG-MV1

RZAG-MY1

Outdoor unit				**RZAG**	**71MV1**	**100MV1**	**125MV1**	**140MV1**	**71MY1**	**100MY1**	**125MY1**	**140MY1**
Dimensions	Unit	HeightxWidthxDepth		mm	990x940x320	1,430x940x320	1,430x940x320	1,430x940x320	990x940x320	1,430x940x320	1,430x940x320	1,430x940x320
Weight	Unit			kg	71	93	93	93	72	93	93	93
Sound power level	Cooling			dBA	64	66	69	70	65	66	69	70
Sound pressure level	Cooling	Nom.		dBA	46	47	50	51	46	47	50	51
	Heating	Nom.		dBA	49	51	52	52	49	51	52	52
Operation range	Cooling		Min.~Max.	°CDB	-20~52							
	Heating		Min.~Max.	°CWB	-20~18							
Refrigerant	Type				R-32							
	Charge			kg	2,95	3,75	3,75	3,75	2,95	3,75	3,75	3,75
				TCO_2eq	1,99	2,53	2,53	2,53	1,99	2,53	2,53	2,53
	GWP				675							
Piping connections	Piping length	OU - IU	Max.	m	55	85	85	85	55	85	85	85
		System	Chargeless	m	40							
Power supply	Phase / Frequency / Voltage			Hz / V	1~/50/220-240				3N~/50 / 380-415			

*Note: blue cells contain preliminary data

R-32

Sky Air Advance-serie
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 outdoor units
- Replace existing systems without having to replace the piping
- Guarantees operation in both heating and cooling mode down to -15°C
- With a gas cooled PCB, reliable cooling is guaranteed, as it is not influenced by ambient temperature
- Maximum piping length up to 50m.

RZASG100-140MV1/MY1

Pair, twin, triple and double twin application

		FCAG-A							FFA-A			FDXM-F3			FBA-A						
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							FUA-A			FAA-A		FVA-A				FNA-A		
capacity class		125	35	50	60	71	100	125	140	100	125	140	71	100	71	100	125	140	35	50	60
RZASG71MV1			2			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			P	2					P	4	3	

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

RZASG-MV1

RZASG-MY1

Outdoor unit				**RZASG**	**71MV1**	**100MV1**	**125MV1**	**140MV1**	**100MY1**	**125MY1**	**140MY1**
Dimensions	Unit	HeightxWidthxDepth		mm	770x900x320	990x940x320	990x940x320	990x940x320	990x940x320	990x940x320	990x940x320
Weight	Unit			kg	67	73	74	81	74	74	81
Sound power level	Cooling			dBA	65	69	71	72	69	71	72
Sound pressure level	Cooling	Nom.		dBA	49	53	54	55	53	54	55
	Heating	Nom.		dBA	51	57	58	59	57	58	59
Operation range	Cooling		Min.~Max.	°CDB	-15~46						
	Heating		Min.~Max.	°CWB	-15~15,5						
Refrigerant	Type				R-32						
	Charge			kg	2,45	2,6	2,6	2,9	2,6	2,6	2,9
				TCO_2eq	1,65	1,76	1,76	1,96	1,76	1,76	1,96
	GWP				675						
Piping connections	Piping length	OU - IU	Max.	m	50						
		System	Chargeless	m	30						
Power supply	Phase / Frequency / Voltage			Hz / V	1~/50/220-240				3N~/50 / 380-415		

*Note: blue cells contain preliminary data

R-32

Sky Air Active-series
BLUEVOLUTION

Sky Air Active-series

Ideal solution for small shops

› High efficiency:
  • Energy labels up to A+ (cooling) /A (heating)
  • compressor offers substantial efficiency improvements
› Very compact and easy to install outdoor units
› Replace existing systems without having to replace the piping

› Guarantees operation in both heating mode down to -15°C and in cooling mode down to -5°C
› With a gas cooled PCB, reliable cooling is guaranteed, as it is not influenced by ambient temperature
› Maximum piping length up to 30m
› Exclusively offered in pair applications

AZAS71MV1/MY1

Pair application

	FCAG-A				FBA-A				FAA-A			
Capacity class	71	100	125	140	71	100	125	140	71	100	125	140
AZAS-MV1	P	P	P	P	P	P	P	P	P	P		
AZAS-MY1		P	P	P		P	P	P		P		

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

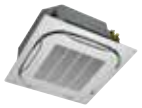
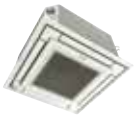
AZAS-MV1

AZAS-MY1

Outdoor unit				**AZAS**	**71MV1**	**100MV1**	**125MV1**	**140MV1**	**100MY1**	**125MY1**	**140MY1**
Dimensions	Unit	HeightxWidthxDepth		mm	770x900x320	990x940x320	990x940x320	990x940x320	990x940x320	990x940x320	990x940x320
Weight	Unit			kg	67	73	74	81	74	74	81
Sound power level	Cooling			dBA	65	70	71	72	70	71	72
Sound pressure level	Cooling	Nom.		dBA	49	53	54	55	53	54	55
	Heating	Nom.		dBA	51	57	58	59	57	58	59
Operation range	Cooling		Min.~Max.	°CDB	-5~46						
	Heating		Min.~Max..	°CWB	-15~15,5						
Refrigerant	Type				R-32						
	Charge			kg	2,45	2,6	2,6	2,9	2,6	2,6	2,9
				TCO_2eq	1,65	1,76	1,76	1,96	1,76	1,76	1,96
	GWP				675						
Piping connections	Piping length	OU - IU	Max.	m	30						
		System	Chargeless	m	30						
Power supply	Phase / Frequency / Voltage			Hz / V	1~/50/220-240				3N~/50 / 380-415		

*Note: blue cells contain preliminary data

Product overview

Type	Availability	Model	Product name		PG
Ceiling mounted cassette	June '17	UNIQUE High COP, round flow cassette	FCAHG-G		25
	June '17	UNIQUE Round flow cassette	FCAG-A		26-29
	June '17	UNIQUE Fully flat cassette	FFA-A	 	33
Concealed ceiling	June '17	Slim concealed ceiling unit	FDXM-F3		36
	June '17	Concealed ceiling unit with medium ESP	FBA-A		37-40
	October '17	Concealed ceiling unit with high ESP	FDA-A		41
Wall mounted	August '17	Wall mounted unit	FAA-A		42-44
Ceiling suspended	August '17	Ceiling suspended unit	FHA-A		45-47
	August '17	UNIQUE 4-way blow ceiling suspended unit	FUA-A		48-49
Floor standing	September '17	Floor standing unit	FVA-A		50-51
	September '17	Concealed floor standing unit	FNA-A		53

1) Twin, triple, double twin application is only possible up to 125 class

Full R-32 BLUEVOLUTION line up

Capacity class

	25	35	50	60	71	100	125	140	Sky Air Alpha-series	Sky Air Advance-series	Sky Air Active-series
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 ROUND FLOW					●	●	●	●	✓		
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 - 27~29 dB(A) on low fan speed ROUND FLOW		●	●	●	●	●	●	●	✓	✓	✓
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	●	●	●	●					✓	✓	
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		●	●	●	●	●	●	●	✓	✓	
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		●	●	●	●	●	●	●	✓	✓	✓
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							●		✓	✓	
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					●	●			✓	✓	✓
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 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					●	●	●		✓	✓	
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					●	●	●	●	✓	✓	
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	●	●	●	●					✓	✓	

NEW auto cleaning option

NEW Multi zoning option

Benefits overview Sky Air

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.
	Inverter technology	In combination with inverter controlled outdoor units
	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	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 NEW	Allows up to 6 individual climate zones with one indoor unit
Other functions	Infrastructure cooling	Remove in a reliable, efficient and flexible way the heat constantly generated by the IT and server equipment to ensure maximum uptime while offering the best return on investment.
	Auto-restart	The unit restarts automatically at the original settings after power failure.
	Self-diagnosis	Simplifies maintenance by indicating system faults or operating anomalies.
	Drain pump kit	Facilitates condensation draining from the indoor unit.
	Twin/triple/double twin application	2, 3 or 4 indoor units can be connected to only 1 outdoor unit even if they have different capacities. 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.

Ceiling mounted cassette units			Concealed ceiling units			Ceiling suspended units	4-Way blow ceiling suspended unit	Wall mounted unit	Floor standing units	
FCAHG-G	**FCAG-A**	**FFA-A**	**FDXM-F3**	**FBA-A**	**FDA-A**	**FHA-A**	**FUA-A**	**FAA-A**	**FVA-A**	**FNA-A**
										
●	●	●		●	●	●	●	●	●	●
●	●	●		●	●	●	●	●	●	●
●	●	●		●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●	●	●
●	●		● NEW							
●	●	●								
●	●	●					●			
●	●	●		●						
●	●	●		●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●	●	●
●	●	●								
●	●	●				●	●	●	●	
5	5	3	3	3	3	3	5	3	3	2
●	●	●					●			
●	●	●	● depending on controller	●	●	●	●	●	●	●
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	optional	optional	optional
			● NEW	● NEW						
●	●	●		●		●	●	●	●	
●	●	●	●	●	●	●	●	●	●	●
●	●	●	●	●	●	●	●	●	●	●
standard	standard	standard		standard	standard	optional	standard	optional		
●	●	●		●	●	●	●	●		●
	●	●	●	●		●				●

FCAHG-G/FCAG-A

Auto cleaning cassette

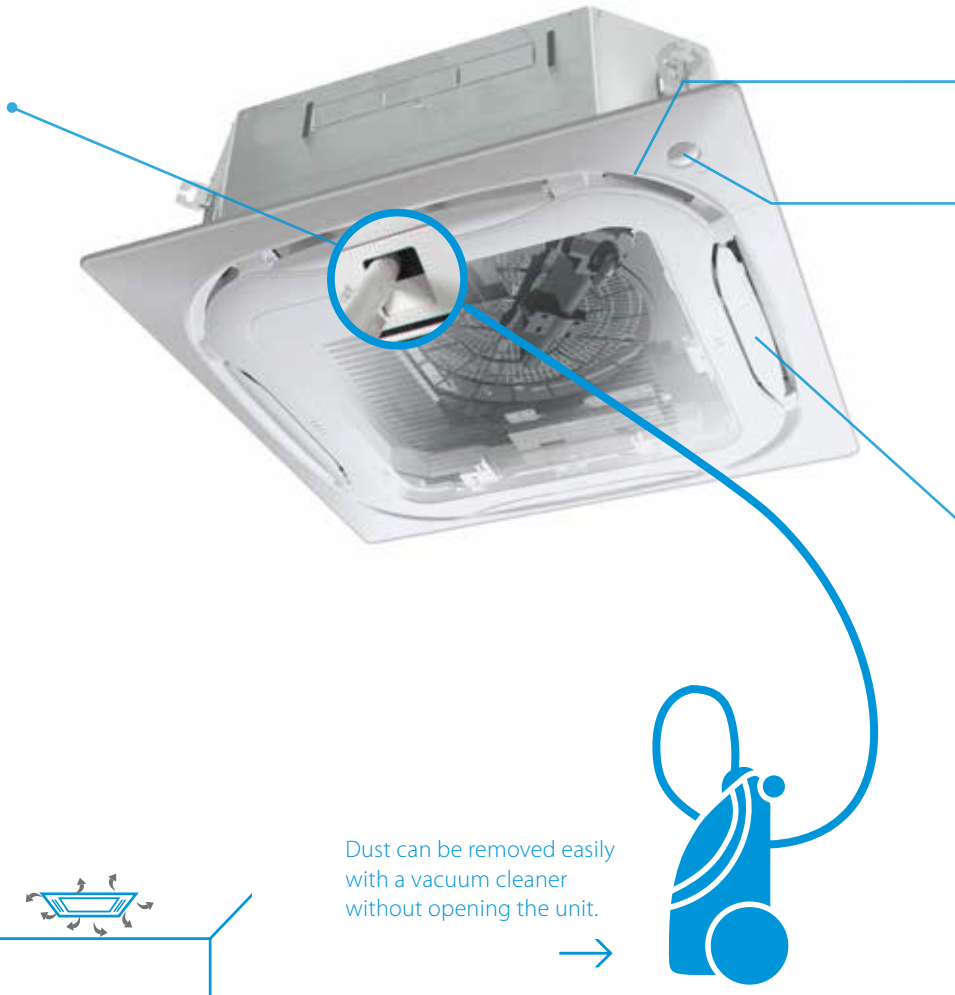
More energy efficient and user-friendly than any other cassette

› Running costs are reduced by 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.

Finer mesh panel

› For dust prone areas (i.e. clothing and book shops) a finer mesh panel (BYCQ140DGF9) ensures consistent performance and optimum air distribution
› Clean ceilings ensured thanks to fine mesh and clean filter

BYCQ140DG9	BYCQ140DGF9
Auto-cleaning panel	auto-cleaning panel with fine mesh filter
White with grey louvers	White with grey louvers



Dust can be removed easily with a vacuum cleaner without opening the unit.

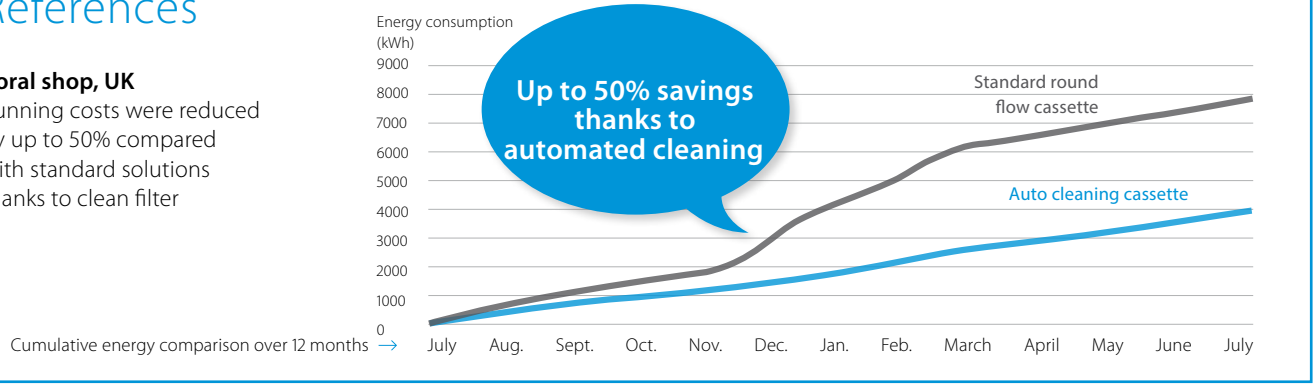
Auto-cleaning cassette for maintaining the optimum store atmosphere

Air distribution with a clean filter

Air distribution with a dusty filter

References

Coral shop, UK
Running costs were reduced by up to 50% compared with standard solutions thanks to clean filter



Why choose a round flow cassette?

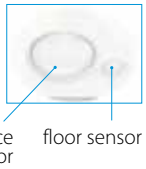
- 360° air discharge for optimum comfort
- Intelligent sensors for maximum efficiency

360° air discharge for improved comfort

› Industry-first and proven design.

Intelligent sensors improve efficiency and comfort even more

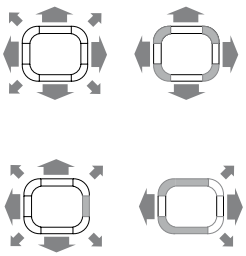
› The presence sensor adjusts the set point if no one is detected in the room leading to up to 27% savings. It also automatically directs air flow away from any person to avoid draught.

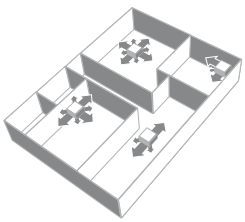


› The infrared floor sensor detects the average floor temperature and ensures even temperature distribution between ceiling and floor to prevent cold feet.

Flexible installation

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





Benefits for the installer

› Product with unique functions in this market.
› Less time needed for onsite maintenance.
› Use the controller to individually open or close any of the four flaps to easily adapt to a changing room layout.
› Easy set-up of the sensor option to improve comfort and save energy.

Benefits for the consultant

› Product with unique functions in this market.
› Designed for use in all types and sizes of commercial offices and retail environments.
› Ideal product for improving BREEAM score/EPBD in combination with Sky Air or VRV IV heat pump units.

Benefits for the end user

› Designed for use in all types and sizes of commercial offices and retail environments.
› Perfect environment conditions: no more draughts or cold feet.
› Save up to 50% on running costs with the auto-cleaning panel, which also facilitates maintenance.
› Your customers can save up to 27% on their energy bills thanks to the sensor option.
› Flexible use of space thanks to individual flap control.

Marketing tools

› Visit the website:
https://www.daikin.eu/en_us/product-group/round-flow-cassette.html

YouTube

www.youtube.com/DaikinEurope

ROUND FLOW

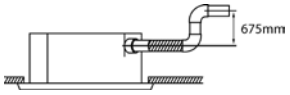
Sky Air Alpha-series
BLUEVOLUTION

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

› Unified range for R-32 and R-410A simplifying stock
› High COP cassette ensures top performance, great savings in energy consumption and a comfortable environment for commercial applications
› Lowest installation height in the market: 204mm for class 71
› Individual flap control: flexibility to suit every room layout without changing the location of the unit!
› Modern style decoration panel is available in 3 different variations: white (RAL9010) with grey louvers, full white (RAL9010) or auto cleaning panel
› Automatic filter cleaning results in higher efficiency & comfort and lower maintenance costs. 2 filters available: standard filter and finer mesh filter (for fine dust applications e.g. clothing shops)
› Two optional intelligent sensors improve energy efficiency and comfort.
› No optional adapter needed for DIII-connection, link your unit into the wider building management system.
› Branch duct discharge allows to optimize air distribution in irregular shaped rooms or to supply air to small adjacent rooms
› Reduced energy consumption thanks to specially developed small tube heat exchanger, DC fan motor and drain pump
› Optional fresh air intake
› Standard drain pump with 675mm lift increases flexibility and installation speed



Efficiency data				FCAHG + RZAG	71A + 71LV1	100A + 100LV1	125A + 125LV1	140A + 140LV1	71A + 71LY1	100A + 100LY1	125A + 125LY1	140A + 140LY1
Cooling capacity	Nom.			kW	6.80	9.5	12.1	13.4	6.80	9.5	12.1	13.4
Heating capacity	Nom.			kW	7.50	10.8	13.5	15.5	7.50	10.8	13.5	15.5
Power input	Cooling	Nom.		kW	-	-	-	-	-	-	-	-
	Heating	Nom.		kW	-	-	-	-	-	-	-	-
Seasonal efficiency (according to EN14825)	Cooling	Energy efficiency class			A++	A++	-	-	A++	A++	-	-
		Pdesign		kW	-	-	-	-	-	-	-	-
		SEER			7.72	7.35	-	-	7.72	7.35	-	-
		Annual energy consumption		kWh	-	-	-	-	-	-	-	-
	Heating (Average climate)	Energy efficiency class			A++	A++	-	-	A++	A++	-	-
		Pdesign		kW	-	-	-	-	-	-	-	-
		SCOP/A			4.61	4.81	-	-	4.61	4.81	-	-
		Annual energy consumption		kWh	-	-	-	-	-	-	-	-
Nominal efficiency	EER				4.29	4.64	4.08	3.69	4.29	4.64	4.08	3.69
	COP				5.04	5.04	4.49	4.12	5.04	5.04	4.49	4.12
	Annual energy consumption			kWh	-	-	-	-	-	-	-	-
	Energy labeling Directive	Cooling/Heating			-	-	-	-	-	-	-	-

Indoor unit				FCAHG	71G	100G	125G	140G	71G	100G	125G	140G
Dimensions	Unit	HeightxWidthxDepth		mm	288x840x840							
Weight	Unit			kg	25	26			25	26		
Decoration panel	Model				BYCQ140DGF9 - auto cleaning panel with fine mesh filter / BYCQ140DG9 - auto cleaning panel / BYCQ140DW - full white / BYCQ140D - white with grey louvers							
	Colour				Pure White (RAL 9010)							
	Dimensions	HeightxWidthxDepth		mm	130x950x950 / 130x950x950 / 50x950x950 / 50x950x950							
	Weight			kg	10.3 / 10.3 / 5.4 / 5.4							
Air filter	Type				Resin net with mold resistance							
Fan - Air flow rate	Cooling	High/Low		m^3/min	21.2/12.2	32.3/19.0	33.5/19.9	33.5/21.1	21.2/12.2	32.3/19.0	33.5/19.9	33.5/21.1
	Heating	High/Low		m^3/min	21.2/12.2	32.3/19.0	33.5/19.9	33.5/21.1	21.2/12.2	32.3/19.0	33.5/19.9	33.5/21.1
Sound power level	Cooling			dBA	53	61			53	61		
	Heating			dBA	53	61			53	61		
Sound pressure level	Cooling	High/Low		dBA	36/29	44/33	45/35	45/37	36/29	44/33	45/35	45/37
	Heating	High/Low		dBA	36/29	44/33	45/35	45/37	36/29	44/33	45/35	45/37
Refrigerant	Type				R-32 / R-410A							
Control systems	Infrared remote control				BRC7FA532F							
	Wired remote control				BRC1D52 / BRC1E53A / BRC1E53B / BRC1E53C							
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240							

Outdoor unit				RZAG	71MV1	100MV1	125MV1	140MV1	71MY1	100MY1	125MY1	140MY1
Dimensions	Unit	HeightxWidthxDepth		mm	990x940x320	1,430x940x320	1,430x940x320	1,430x940x320	990x940x320	1,430x940x320	1,430x940x320	1,430x940x320
Weight	Unit			kg	71	93	93	93	72	93	93	93
Sound power level	Cooling			dBA	64	66	69	70	65	66	69	70
Sound pressure level	Cooling	Nom.		dBA	46	47	50	51	46	47	50	51
	Heating	Nom.		dBA	49	51	52	52	49	51	52	52
Operation range	Cooling		Min.~Max.	°CDB	-20~52							
	Heating		Min.~Max.	°CWB	-20~18							
Refrigerant	Type<<<<<				R-32							
	Charge			kg	2,95	3,75	3,75	3,75	2,95	3,75	3,75	3,75
				TCO_2eq	1,99	2,53	2,53	2,53	1,99	2,53	2,53	2,53
	GWP				675							
Piping connections	Piping length	OU - IU	Max.	m	55	85	85	85	55	85	85	85
		System	Chargeless	m	40							
Power supply	Phase / Frequency / Voltage			Hz / V	1~/50/220-240				3N~/50 / 380-415			

*Note: blue cells contain preliminary data

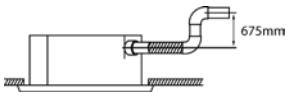
(1) BYCQ140D7W1: pure white standard panel with grey louvers; BYCQ140D7W1W: pure white standard panel with white louvers; BYCQ140D7GW1: pure white auto cleaning panel.
(2) EER/COP according to Eurovent 2012, for use outside EU only
(3) The BYCQ140D7W1W has white insulations. Be informed that formation of dirt on white insulation is visibly stronger and that it is consequently not advised to install the BYCQ140D7W1W decoration panel in environments exposed to concentrations of dirt.
(4) 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.

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

› Unified range for R-32 and R-410A simplifying stock
› Lowest installation height in the market: 204mm for class 71
› Individual flap control: flexibility to suit every room layout without changing the location of the unit!
› Modern style decoration panel is available in 3 different variations: white (RAL9010) with grey louvers, full white (RAL9010) or auto cleaning panel
› Automatic filter cleaning results in higher efficiency & comfort and lower maintenance costs. 2 filters available: standard filter and finer mesh filter (for fine dust applications e.g. clothing shops)
› Two optional intelligent sensors improve energy efficiency and comfort.
› No optional adapter needed for DIII-connection, link your unit into the wider building management system.
› Branch duct discharge allows to optimize air distribution in irregular shaped rooms or to supply air to small adjacent rooms
› Reduced energy consumption thanks to specially developed small tube heat exchanger, DC fan motor and drain pump
› Optional fresh air intake
› Standard drain pump with 675mm lift increases flexibility and installation speed



Efficiency data				FCAG + RZAG	71A + 71MY1	100A + 100MY1	125A + 125MY1	140A + 140MY1	71A + 71MV1	100A + 100MV1	125A + 125MV1	140A + 140MV1
Cooling capacity	Nom.			kW	6.8	9.5	12.1	13.4	6.8	9.5	12.1	13.4
Heating capacity	Nom.			kW	7.5	10.8	13.5	15.5	7.5	10.8	13.5	15.5
Power input	Cooling	Nom.		kW	-	-	-	-	-	-	-	-
	Heating	Nom.		kW	-	-	-	-	-	-	-	-
Seasonal efficiency (according to EN14825)	Cooling	Energy efficiency class			A++	A++	-	-	A++	A++	-	-
		Pdesign		kW	-	-	-	-	-	-	-	-
		SEER			7.34	7.14	-	-	7.34	7.14	-	-
		Annual energy consumption		kWh	-	-	-	-	-	-	-	-
	Heating (Average climate)	Energy efficiency class			A+	A++	-	-	A+	A++	-	-
		Pdesign		kW	-	-	-	-	-	-	-	-
		SCOP/A			4.20	4.61	-	-	4.20	4.61	-	-
		Annual energy consumption		kWh	-	-	-	-	-	-	-	-
Nominal efficiency	EER				3.43	4.06	3.79	3.37	3.43	4.06	3.79	3.37
	COP				4.17	4.19	3.64	3.61	4.17	4.19	3.64	3.61
	Annual energy consumption			kWh	-	-	-	-	-	-	-	-
	Energy labeling Directive	Cooling/Heating			-	-	-	-	-	-	-	-

Indoor unit				FCAG	71A	100A	125A	140A	71A	100A	125A	140A
Dimensions	Unit	HeightxWidthxDepth		mm	204x840x840	246x840x840			204x840x840	246x840x840		
Weight	Unit			kg	21	24			21	24		
Decoration panel	Model				BYCQ140DGF9 - auto cleaning panel with fine mesh filter / BYCQ140DG9 - auto cleaning panel / BYCQ140DW - full white / BYCQ140D - white with grey louvers							
	Colour				Pure White (RAL 9010)							
	Dimensions	HeightxWidthxDepth		mm	130x950x950 / 130x950x950 / 50x950x950 / 50x950x950							
	Weight			kg	10.3 / 10.3 / 5.4 / 5.4							
Air filter	Type				Resin net with mold resistance							
Fan - Air flow rate	Cooling	High/Low		m^3/min	15.0/9.1	22.8/12.4	26.0/12.4		15.0/9.1	22.8/12.4	26.0/12.4	
	Heating	High/Low		m^3/min	15.0/9.1	22.8/12.4	26.0/12.4		15.0/9.1	22.8/12.4	26.0/12.4	
Sound power level	Cooling			dBA	49	54	58		49	54	58	
	Heating			dBA	49	54	58		49	54	58	
Sound pressure level	Cooling	High/Low		dBA	35/28	37/29	41/29		33/28	37/29	41/29	
	Heating	High/Low		dBA	33/28	37/29	41/29		33/28	37/29	41/29	
Refrigerant	Type				R-32 / R-410A							
Control systems	Infrared remote control				BRC7FA532F							
	Wired remote control				BRC1D52 / BRC1E53A / BRC1E53B / BRC1E53C							
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240							

Outdoor unit				RZAG	71MV1	100MV1	125MV1	140MV1	71MY1	100MY1	125MY1	140MY1
Dimensions	Unit	HeightxWidthxDepth		mm	990x940x320	1,430x940x320	1,430x940x320	1,430x940x320	990x940x320	1,430x940x320	1,430x940x320	1,430x940x320
Weight	Unit			kg	71	93	93	93	72	93	93	93
Sound power level	Cooling			dBA	64	66	69	70	65	66	69	70
Sound pressure level	Cooling	Nom.		dBA	46	47	50	51	46	47	50	51
	Heating	Nom.		dBA	49	51	52	52	49	51	52	52
Operation range	Cooling		Min.~Max.	°CDB	-20~52							
	Heating		Min.~Max.	°CWB	-20~18							
Refrigerant	Type				R-32							
	Charge			kg	2,95	3,75	3,75	3,75	2,95	3,75	3,75	3,75
				TCO_2eq	1,99	2,53	2,53	2,53	1,99	2,53	2,53	2,53
	GWP				675							
Piping connections	Piping length	OU - IU	Max.	m	55	85	85	85	55	85	85	85
		System	Chargeless	m	40							
Power supply	Phase / Frequency / Voltage			Hz / V	1~/50/220-240				3N~/50 / 380-415			

*Note: blue cells contain preliminary data

(1) BYCQ140D7W1: pure white standard panel with grey louvers; BYCQ140D7W1W: pure white standard panel with white louvers; BYCQ140D7GW1: pure white auto cleaning panel.
(2) EER/COP according to Eurovent 2012, for use outside EU only | The BYCQ140D7W1W has white insulations. Be informed that formation of dirt on white insulation is visibly stronger and that it is consequently not advised to install the BYCQ140D7W1W decoration panel in environments exposed to concentrations of dirt.

ROUND FLOW

Sky Air Advance-serie
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

FCAG100-140G

RZAG100-140MV1/MY1

BRC1E53A-B-C, BRC7FA532F

Efficiency data				FCAG + RZASG	71A + 71MV1	100A + 100MV1	125A + 125MV1	140A + 140MV1	100A + 100MY1	125A + 125MY1	140A + 140MY1
Cooling capacity	Nom.			kW	6.8	9.5	12.1	13.4	9.5	12.1	13.4
Heating capacity	Nom.			kW	7.5	10.8	13.5	15.5	10.8	13.5	15.5
Power input	Cooling	Nom.		kW	-	-	-	-	-	-	-
	Heating	Nom.		kW	-	-	-	-	-	-	-
Seasonal efficiency (according to EN14825)	Cooling	Energy efficiency class			A++	A++	-	-	A++	-	-
		Pdesign		kW	-	-	-	-	-	-	-
		SEER			6.47	6.76	-	-	6.76	-	-
		Annual energy consumption		kWh	-	-	-	-	-	-	-
	Heating (Average climate)	Energy efficiency class			A+	A+	-	-	A+	-	-
		Pdesign		kW	-	-	-	-	-	-	-
		SCOP/A			4.10	4.10	-	-	4.10	-	-
		Annual energy consumption		kWh	-	-	-	-	-	-	-
Nominal efficiency	EER				3.21	3.46	3.21	3.16	3.46	3.21	3.16
	COP				3.79	3.58	3.50	3.41	3.58	3.50	3.41
	Annual energy consumption			kWh	-	-	-	-	-	-	-
	Energy labeling Directive	Cooling/Heating			-	-	-	-	-	-	-

Indoor unit				FCAG	71A	100A	125A	140A	100A	125A	140A
Dimensions	Unit	HeightxWidthxDepth		mm	204x840x840	246x840x840					
Weight	Unit			kg	21	24					
Decoration panel	Model				BYCQ140DGF9 - auto cleaning panel with fine mesh filter / BYCQ140DG9 - auto cleaning panel / BYCQ140DW - full white / BYCQ140D - white with grey louvers						
	Colour				Pure White (RAL 9010)						
	Dimensions	HeightxWidthxDepth		mm	130x950x950 / 130x950x950 / 50x950x950						
	Weight			kg	10.3 / 10.3 / 5.4 / 5.4						
Air filter	Type				Resin net with mold resistance						
Fan - Air flow rate	Cooling	High/Low		m^3/min	15.0/9.1	22.8/12.4	26.0/12.4		22.8/12.4	26.0/12.4	
	Heating	High/Low		m^3/min	15.0/9.1	22.8/12.4	26.0/12.4		22.8/12.4	26.0/12.4	
Sound power level	Cooling			dBA	49	54	58		54	58	
	Heating			dBA	49	54	58		54	58	
Sound pressure level	Cooling	High/Low		dBA	35/28	37/29	41/29		37/29	41/29	
	Heating	High/Low		dBA	33/28	37/29	41/29		37/29	41/29	
Refrigerant	Type				R-32 / R-410A						
Control systems	Infrared remote control				BRC7FA532F						
	Wired remote control				BRC1D52 / BRC1E53A / BRC1E53B / BRC1E53C						
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240						

Outdoor unit				RZASG	71MV1	100MV1	125MV1	140MV1	100MY1	125MY1	140MY1
Dimensions	Unit	HeightxWidthxDepth		mm	770x900x320	990x940x320	990x940x320	990x940x320	990x940x320	990x940x320	990x940x320
Weight	Unit			kg	67	73	74	81	74	74	81
Sound power level	Cooling			dBA	65	69	71	72	69	71	72
Sound pressure level	Cooling	Nom.		dBA	49	53	54	55	53	54	55
	Heating	Nom.		dBA	51	57	58	59	57	58	59
Operation range	Cooling		Min.~Max.	°CDB	-15~46						
	Heating		Min.~Max.	°CWB	-15~15,5						
Refrigerant	Type				R-32						
	Charge			kg	2,45	2,6	2,6	2,9	2,6	2,6	2,9
				TCO_2eq	1,65	1,76	1,76	1,96	1,76	1,76	1,96
	GWP				675						
Piping connections	Piping length	OU - IU	Max.	m	50						
		System	Chargeless	m	30						
Power supply	Phase / Frequency / Voltage			Hz / V	1~/50/220-240				3N~/50 / 380-415		

*Note: blue cells contain preliminary data

(1) BYCQ140D7W1: pure white standard panel with grey louvers; BYCQ140D7W1W: pure white standard panel with white louvers; BYCQ140D7GW1: pure white auto cleaning panel.
(2) EER/COP according to Eurovent 2012, for use outside EU only
(3) The BYCQ140D7W1W has white insulations. Be informed that formation of dirt on white insulation is visibly stronger and that it is consequently not advised to install the BYCQ140D7W1W decoration panel in environments exposed to concentrations of dirt.
(4) 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.

ROUND FLOW

Sky Air Active-series
BLUEVOLUTION

Round flow cassette

360° air discharge for optimum efficiency and comfort

Ideal solution for small businesses

FCAG100-140G

AZAS71MV1/MY1

BRC1E53A-B-C, BRC7FA532F

Efficiency data				FCAG + AZAS	71A + 71MV1	100A + 100MV1	125A + 125MV1	140A + 140MV1	100A + 100MY1	125A + 125MY1	140A + 140MY1
Cooling capacity	Nom.			kW	6.8	9.5	12.1	13.0	9.5	12.1	13.0
Heating capacity	Nom.			kW	7.5	10.8	13.5	15.5	10.8	13.5	15.5
Power input	Cooling	Nom.		kW	-	-	-	-	-	-	-
	Heating	Nom.		kW	-	-	-	-	-	-	-
Seasonal efficiency (according to EN14825)	Cooling	Energy efficiency class			A+	A+	-	-	A+	-	-
		Pdesign		kW	-	-	-	-	-	-	-
		SEER			5.87	5.67	-	-	5.67	-	-
		Annual energy consumption		kWh	-	-	-	-	-	-	-
	Heating (Average climate)	Energy efficiency class			A	A	-	-	A	-	-
		Pdesign		kW	-	-	-	-	-	-	-
		SCOP/A			4.00	3.85	-	-	3.85	-	-
		Annual energy consumption		kWh	-	-	-	-	-	-	-
Nominal efficiency	EER				3.11	3.21	3.10	3.00	3.21	3.10	3.00
	COP				3.61	3.50	3.41	3.30	3.50	3.41	3.30
	Annual energy consumption			kWh	-	-	-	-	-	-	-
	Energy labeling Directive	Cooling/Heating			-	-	-	-	-	-	-

Indoor unit				FCAG	71A	100A	125A	140A	100A	125A	140A
Dimensions	Unit	HeightxWidthxDepth		mm	204x840x840	246x840x840					
Weight	Unit			kg	21	24					
Decoration panel	Model				BYCQ140DGF9 - auto cleaning panel with fine mesh filter / BYCQ140DG9 - auto cleaning panel / BYCQ140DW - full white / BYCQ140D - white with grey louvers						
	Colour				Pure White (RAL 9010)						
	Dimensions	HeightxWidthxDepth		mm	130x950x950 / 130x950x950 / 50x950x950 / 50x950x950						
	Weight			kg	10.3 / 10.3 / 5.4 / 5.4						
Air filter	Type				Resin net with mold resistance						
Fan - Air flow rate	Cooling	High/Low		m^3/min	15.0/9.1	22.8/12.4	26.0/12.4		22.8/12.4	26.0/12.4	
	Heating	High/Low		m^3/min	15.0/9.1	22.8/12.4	26.0/12.4		22.8/12.4	26.0/12.4	
Sound power level	Cooling			dBA	49	54	58		54	58	
	Heating			dBA	49	54	58		54	58	
Sound pressure level	Cooling	High/Low		dBA	35/28	37/29	41/29		37/29	41/29	
	Heating	High/Low		dBA	33/28	37/29	41/29		37/29	41/29	
Refrigerant	Type				R-32 / R-410A						
Control systems	Infrared remote control				BRC7FA532F						
	Wired remote control				BRC1D52 / BRC1E53A / BRC1E53B / BRC1E53C						
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240						

Outdoor unit				AZAS	71MV1	100MV1	125MV1	140MV1	100MY1	125MY1	140MY1
Dimensions	Unit	HeightxWidthxDepth		mm	770x900x320	990x940x320	990x940x320	990x940x320	990x940x320	990x940x320	990x940x320
Weight	Unit			kg	67	73	74	81	74	74	81
Sound power level	Cooling			dBA	65	70	71	72	70	71	72
Sound pressure level	Cooling	Nom.		dBA	49	53	54	55	53	54	55
	Heating	Nom.		dBA	51	57	58	59	57	58	59
Operation range	Cooling		Min.~Max.	°CDB	-5~46						
	Heating		Min.~Max..	°CWB	-15~15,5						
Refrigerant	Type				R-32						
	Charge			kg	2,45	2,6	2,6	2,9	2,6	2,6	2,9
				TCO_2eq	1,65	1,76	1,76	1,96	1,76	1,76	1,96
	GWP				675						
Piping connections	Piping length	OU - IU	Max.	m	30						
		System	Chargeless	m	30						
Power supply	Phase / Frequency / Voltage			Hz / V	1~/50/220-240				3N~/50 / 380-415		

*Note: blue cells contain preliminary data

(1) BYCQ140D7W1: pure white standard panel with grey louvers; BYCQ140D7W1W: pure white standard panel with white louvers; BYCQ140D7GW1: pure white auto cleaning panel.

(2) EER/COP according to Eurovent 2012, for use outside EU only

(3) The BYCQ140D7W1W has white insulations. Be informed that formation of dirt on white insulation is visibly stronger and that it is consequently not advised to install the BYCQ140D7W1W decoration panel in environments exposed to concentrations of dirt.

ROUND FLOW

BLUEVOLUTION

Round flow cassette

360° air discharge for optimum efficiency and comfort

Combination with Split outdoor units is ideal for small retail, offices or residential applications

FCAG100-140A

RXM-M9

BRC1E53A-B-C BRC7FA532F

Efficiency data				FCAG + RXM	35A + 35M9	50A + 50M	60A + 60M
Cooling capacity	Nom			kW	3.4	5.0	5.7
Heating capacity	Nom.			kW	4.2	6.0	7.0
Power input	Cooling	Min./Nom./Max.		kW	-	-	-
	Heating	Min./Nom./Max.		kW	-	-	-
Seasonal efficiency (according to EN14825)	Cooling	Energy efficiency class			A++		A+
		Pdesign		kW	-	-	-
		SEER			6,41	6,54	6,28
		Annual energy consumption		kWh	-	-	-
	Heating (Average climate)	Energy efficiency class			A++		A+
		Pdesign		kW	-	-	-
		SCOP/A			4,90	4,10	4,00
		Annual energy consumption		kWh	-	-	-
Nominal efficiency	EER				3,77	3,58	3,51
	COP				3,50	3,70	3,52
	Annual energy consumption			kWh	455 (2)	705 (2)	820 (2)
	Energy labeling Directive	Cooling/Heating			A/B	A/A	A/B

Indoor unit				FCAG	35F	50F	60F
Dimensions	Unit	HeightxWidthxDepth		mm	204x840x840		
Weight	Unit			kg	18	19	
Decoration panel	Model				BYCQ140DGF9 - auto cleaning panel with fine mesh filter / BYCQ140DG9 - auto cleaning panel / BYCQ140DW - full white / BYCQ140D - white with grey louvers		
	Colour				Pure White (RAL 9010)		
	Dimensions	HeightxWidthxDepth		mm	130x950x950 / 130x950x950 / 50x950x950 / 50x950x950		
	Weight			kg	10.3 / 10.3 / 5.4 / 5.4		
Air filter	Type				Resin net with mold resistance		
Fan - Air flow rate	Cooling	High/Low		m^3/min	12.5/8.7	12.6/8.7	13.6/8.7
	Heating	High/Low		m^3/min	12.5/8.7	12.6/8.7	13.6/8.7
Sound power level	Cooling			dBA	49		51
	Heating			dBA	49		51
Sound pressure level	Cooling	High/Low		dBA	31/27		33/28
	Heating	High/Low		dBA	31/27		33/28
Refrigerant	Type				R-32 / R-410A		
Control systems	Infrared remote control				BRC7FA532F		
	Wired remote control				BRC1D52 / BRC1E53A / BRC1E53B / BRC1E53C		
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240		

Outdoor unit				RXM	25M9	35M9	50M9	60M9
Dimensions	Unit	HeightxWidthxDepth		mm	550x765x285			
Weight	Unit			kg	32		44	
Sound power level	Cooling			dBA	59	61	63	
	Heating			dBA	59	61	62	63
Sound pressure level	Cooling	High/Low		dBA	46/-	49/-	48/44	
	Heating	High/Low		dBA	47/-	49/-	49/45	
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~46			
	Heating	Ambient	Min.~Max.	°CWB	-15~18			
Refrigerant	Type				R-32			
	Charge			kg	0.76		1.4	1.45
				TCO_2eq	0.5		0.9	1.0
	GWP				675			
Piping connections	Liquid	OD		mm	6.35			
	Gas	OD		mm	9.5			
	Piping length	OU - IU	Max.	m	30		30	
		System	Chargeless	m	10			
	Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 10m)			
	Level difference	IU - OU	Max.	m	20		20	
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240			
Current - 50Hz	Maximum fuse amps (MFA)			A	10		15	

*Note: blue cells contain preliminary data

(1) EER/COP according to Eurovent 2012, for use outside EU only

(2) BYCQ140D7W1: pure white standard panel with grey louvers; BYCQ140D7W1W: pure white standard panel with white louvers; BYCQ140D7GW1: pure white auto cleaning panel.

(3) The BYCQ140D7W1W has white insulations. Be informed that formation of dirt on white insulation is visibly stronger and that it is consequently not advised to install the BYCQ140D7W1W decoration panel in environments exposed to concentrations of dirt.

(4) 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.

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-A

Choice between grey or white panel

Benefits for the installer

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

Benefits for the consultant

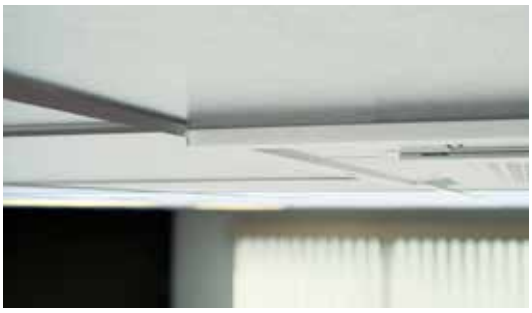
› Unique product in the market!
› Blends seamlessly in any modern office interior design
› Ideal product to improve BREEAM score/EPBD in combination with Sky Air (FFQ-C) or VRV IV heat pump units (FXZQ-A).

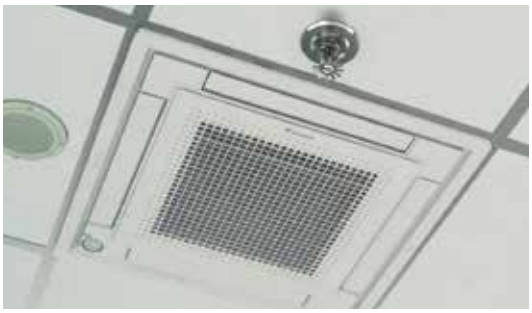
Benefits for the end user

› 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.

universal design award 2014

GERMAN DESIGN AWARD SPECIAL 2016





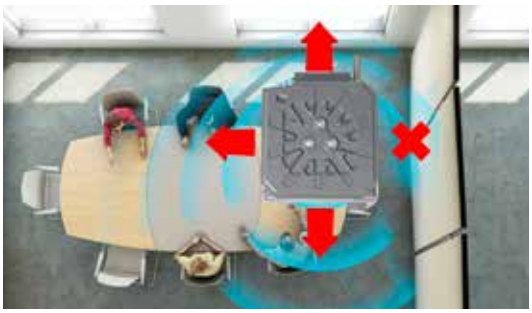
Unique design

› 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 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 FFQ25,35C in combination with RXS25,35L3

Other benefits

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

Marketing tools

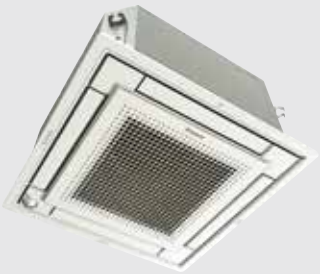
› https://www.daikin.eu/en_us/product-group/fully-flat-cassette.html
› www.youtube.com/DaikinEurope

Fully flat cassette

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

- Unified range for R-32 and R-410A simplifying stock
- Outdoor unit silent operation: „silent" button on the remote control lowers the operation sound of the outdoor unit by 3dBA to ensure a quiet environment for the neighbourhood.
- 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
- Individual flap control: flexibility to suit every room layout without changing the location of the unit!
- Two optional intelligent sensors improve energy efficiency and comfort.

- No optional adapter needed for DIII-connection, link your unit into the wider building management system.



FFA-A

RXM25-35M9

BRC1E53A-B-C BRC7F530W-S

- Reduced energy consumption thanks to specially developed small tube heat exchanger, DC fan motor and drain pump
- Optional fresh air intake
- Standard drain pump with 675mm lift increases flexibility and installation speed

Efficiency data				**FFA + RXM**	**25A + 25M9**	**35A + 35M9**	**50A + 50M9**	**60A + 60M9**
Cooling capacity	Nom.			kW	2.5	3.4	5	5.7
Heating capacity	Nom.			kW	3.2	4.2	5.8	7.0
Power input	Cooling	Min./Nom./Max.		kW	-	-	-	-
	Heating	Min./Nom./Max.		kW	-	-	-	-
Seasonal efficiency (according to EN14825)	Cooling	Energy efficiency class			A++		A+	
		Pdesign		kW	-	-	-	-
		SEER			6.17	6.38	5.98	5.76
		Annual energy consumption		kWh	-	-	-	-
	Heating (Average climate)	Energy efficiency class			A+		A	
		Pdesign		kW	-	-	-	-
		SCOP/A			4.24	4.10	3.90	4.04
		Annual energy consumption		kWh	-	-	-	-
Nominal efficiency	EER				4.57	3.81	3.24	3.05
	COP				3.90	3.50	3.49	3.41
	Annual energy consumption			kWh	-	-	-	-
	Energy labeling Directive	Cooling/Heating			-	-	-	-

Indoor unit				**FFA**	**25A**	**35A**	**50A**	**60A**
Dimensions	Unit	HeightxWidthxDepth		mm	260x575x575			
Weight	Unit			kg	16		17.5	
Decoration panel	Model				BYFQ60CW (white panel) / BYFQ60CS (grey panel) / BYFQ60B3W1 (standard panel)			
	Colour				White (N9.5) / White (N9.5) + Silver / White (RAL9010)			
	Dimensions	HeightxWidthxDepth		mm	46x620x620 / 46x620x620 55x700x700			
	Weight			kg	2.8 / 2.8 / 2.7			
Air filter	Type				Resin net with mold resistance			
Fan - Air flow rate	Cooling	High/Low		m^3/min	9/6.5	10/6.5	12/7.5	14.5/9.5
	Heating	High/Low		m^3/min	9/6.5	10/6.5	12/7.5	14.5/9.5
Sound power level	Cooling			dBA	48	51	56	60
Sound pressure level	Cooling	High/Low		dBA	31/25	34/25	39/27	43/32
	Heating	High/Low		dBA	31/25	34/25	39/27	43/32
Refrigerant	Type				R-32 / R-410A			
Control systems	Infrared remote control				BRC7F530W (white panel) / BRC7F530S (grey panel) / BRC7EB530W (standard panel)			
	Wired remote control				BRC1D52 / BRC1E53A / BRC1E53B / BRC1E53C			
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240			

Outdoor unit				**RXM**	**25M9**	**35M9**	**50M9**	**60M9**
Dimensions	Unit	HeightxWidthxDepth		mm	550x765x285			
Weight	Unit			kg	32		44	
Sound power level	Cooling			dBA	59	61	63	
	Heating			dBA	59	61	62	63
Sound pressure level	Cooling	High/Low		dBA	46/-	49/-	48/44	
	Heating	High/Low		dBA	47/-	49/-	49/45	
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~46			
	Heating	Ambient	Min.~Max.	°CWB	-15~18			
Refrigerant	Type				R-32			
	Charge			kg	0.76		1.4	1.45
				TCO_2eq	0.5		0.9	1.0
	GWP				675			
Piping connections	Liquid	OD		mm	6.35			
	Gas	OD		mm	9.5			
	Piping length	OU - IU	Max.	m	30		30	
		System	Chargeless	m	10			
	Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 10m)			
	Level difference	IU - OU	Max.	m	20		20	
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240			
Current - 50Hz	Maximum fuse amps (MFA)			A	10		15	

*Note: blue cells contain preliminary data

(1) EER/COP according to Eurovent 2012, for use outside EU only.

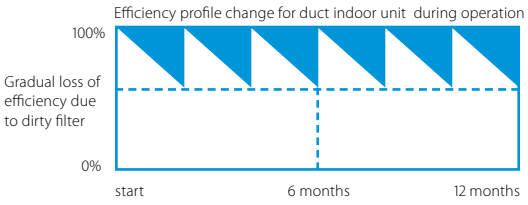
(2) MFA is used to select the circuit breaker and the ground fault circuit interrupter (earth leakage circuit breaker). For more detailed information on each combination, please refer to the electrical data drawing.

Auto cleaning filter for concealed ceiling units

A unique success story repeated

Reduced runningcosts

› Automatic filter cleaning
› Reduces running costs as the filter is alwas clean



Improved room air quality

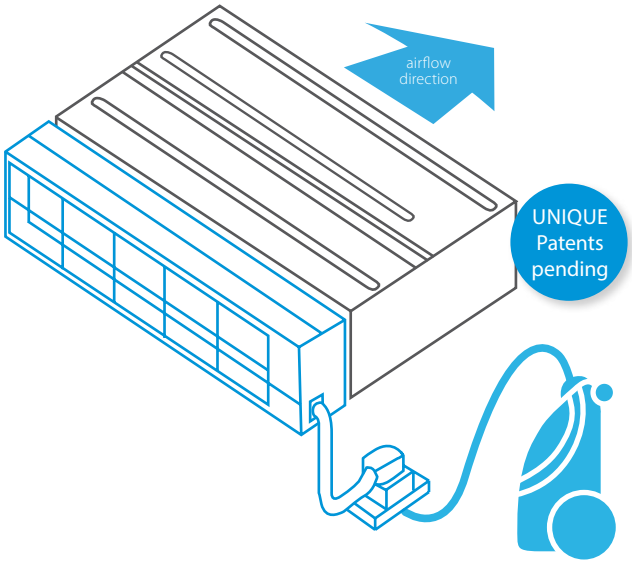
› Ensures optimum airflow at all times eliminating draft or increased sound

Minimal time required for filter cleaning

› Dust can easily be removed with a vacuum cleaner, once the dust box is full
› No more dirty ceilings

Unique technology

› Unique and newly developed filter technology based on experience from Daikin Auto cleaning cassette



How does it work?

› Filter cleaning takes place automatically with the timing set via the remote control
› The dust is collected in a dustbox integrated in the unit
› Once full dust can be removed easily via a vaccuum cleaner without opening the unit

Combination table

	Split / Sky Air				VRV						
	FDXM-F3				FXDQ-A3						
	25	35	50	60	15	20	25	32	40	50	63
BAE20A62	•	•			•	•	•	•			
BAE20A82									•	•	
BAE20A102			•	•							•

*Note: blue cells combination to be confirmed

Specifications

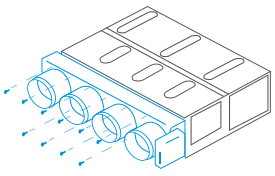
	BAE20A62	BAE20A82	BAE20A102
Heigth (mm)	212		
Width (mm)	764	964	1164
Width (mm) (incl. hanger bracket)	984	1094	1294
Depth (mm)	201		

Multi zoning kit for concealed ceiling units

Increase flexiblity: heat or cool multiple rooms with one indoor unit

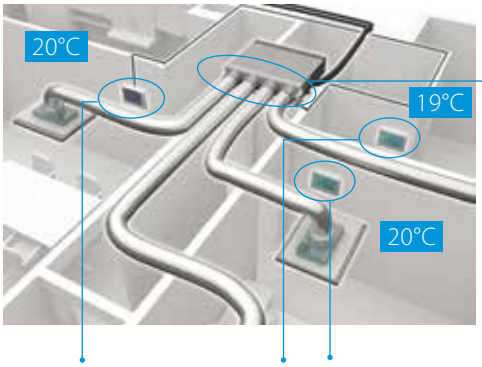
The zoning kit increases the flexibility of Split, Sky Air and VRV system applications by allowing multiple individually-controlled climate zones to be served by one indoor unit

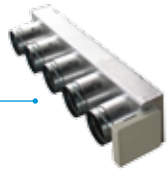
- Increases comfort levels by allowing more individual zone control
  - Up to 8 individual zones can be served thanks to separate modulating dampers
  - Individual thermostat for room-by-room or zone-by-zone control
- Eco-adapt reduces the power consumption thanks to use dynamic setpoint temperatures
- Automatic air flow adjustment according to the demand
- Easy to install, integrates with the Daikin indoor units and system controls
- Promote the all in one package for the multi-zoning
- Time saving as plenum comes fully pre-assembled with dampers, and control boards
- Reduces the amount of refrigerant required in the installation



Plug and play plenum

How does it work?





Zoning box: fully pre-assembled plenum with dampers etc.

Individual zone thermostats

Blueface - Airzone Main Thermostat

- Color graphic interface for controlling zones
- Wired communication

Airzone Zone Thermostat

- Graphic interface with low-energy e-ink screen for controlling zones
- Radio communication

Airzone Zone Thermostat

- Thermostat with buttons for controlling the temperature
- Radio communication

Connectable to: (preliminary)

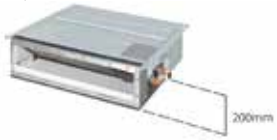
- FDXM-F3
- FBQ-D
- ADEQ-C
- FXDQ-A3
- FXSQ-A

BLUEVOLUTION

Concealed ceiling unit

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

› Unified range for R-32 and R-410A simplifying stock
› Discretely 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
› Low energy consumption thanks to DC fan motor
› Seasonal efficiency values up to A+ in cooling and heating

FDXM25-35F3

RXM25-35M9

BRC1E53A/B/C, BRC4C65

NEW with auto cleaning and multi zoning option

Efficiency data				**FDXM + RXM**	**25F3 + 25M9**	**35F3 + 35M9**	**50F3 + 50M9**	**60F3 + 60M9**
Cooling capacity	Min./Nom./Max.			kW	1.3/2.4/3.0	1.4/3.4/3.8	1.7/5.0/5.3	1.7/6.0/6.5
Heating capacity	Min./Nom./Max.			kW	1.3/3.2/4.5	1.4/4.0/5.0	1.7/5.8/6.0	1.7/7.0/8.0
Power input	Cooling	Nom.		kW	0.641	1.148	1.650	2.060
	Heating	Nom.		kW	0.800	1.150	1.870	2.180
Seasonal efficiency (according to EN14825)	Cooling	Energy efficiency class			A+	A	A+	A
		Pdesign		kW	2.40	3.40	5.00	6.00
		SEER			5.63	5.21	5.72	5.51
		Annual energy consumption		kWh	149	228	306	381
	Heating (Average climate)	Energy efficiency class			A+	A		
		Pdesign		kW	2.60	2.90	4.00	4.60
		SCOP/A			4.24	3.88	3.93	3.80
		Annual energy consumption		kWh	858	1,047	1,425	1,693
Nominal efficiency	EER				3.74 (1)	2.96 (1)	3.03 (1)	2.91 (1)
	COP				4.00 (1)	3.48 (1)	3.10 (1)	3.21 (1)
	Annual energy consumption			kWh	321	574	825	1,030
	Energy labeling Directive	Cooling/Heating			A/A	B/A	B/D	C/C

Indoor unit				**FDXM**	**25F3**	**35F3**	**50F3**	**60F3**
Dimensions	Unit	HeightxWidthxDepth		mm	200x750x620		200x1,150x620	
Weight	Unit			kg	21		30	
Air filter	Type				Removable / washable / mildew proof			
Fan - Air flow rate	Cooling	High/Low		m^3/min	8.7/7.3		12.0/10.0	16.0/13.5
	Heating	High/Low		m^3/min	8.7/7.3		16.0/13.5	
Fan - External static pressure	Nom.			Pa	30		40	
Sound power level	Cooling			dBA	53		55	56
	Heating			dBA	53		55	56
Sound pressure level	Cooling	High/Low		dBA	35/27		38/30	
	Heating	High/Low		dBA	35/27		38/30	
Refrigerant	Type				R-32 / R-410A			
Control systems	Infrared remote control				BRC4C65			
	Wired remote control				BRC1E53A / BRC1E53B /BRC1E53AC			
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 230		1~ / 50 / 220-240	

Outdoor unit				**RXM**	**25M9**	**35M9**	**50M9**	**60M9**
Dimensions	Unit	HeightxWidthxDepth		mm	550x765x285			
Weight	Unit			kg	32		44	
Sound power level	Cooling			dBA	59	61	63	
	Heating			dBA	59	61	62	63
Sound pressure level	Cooling	High/Low		dBA	46/-	49/-	48/44	
	Heating	High/Low		dBA	47/-	49/-	49/45	
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~46			
	Heating	Ambient	Min.~Max.	°CWB	-15~18			
Refrigerant	Type				R-32			
	Charge			kg	0.76		1.4	1.45
				TCO_2eq	0.5		0.9	1.0
	GWP				675			
Piping connections	Liquid	OD		mm	6.35			
	Gas	OD		mm	9.5			
	Piping length	OU - IU	Max.	m	30		30	
		System	Chargeless	m	10			
	Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 10m)			
	Level difference	IU - OU	Max.	m	20		20	
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240			
Current - 50Hz	Maximum fuse amps (MFA)			A	10		15	

*Note: blue cells contain preliminary data

(1) EER/COP according to Eurovent 2012, for use outside EU only,
(2) 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.

Sky Air Alpha-series
BLUEVOLUTION

Concealed ceiling unit with medium ESP

Slimmest yet most powerful medium static pressure unit on the market

Combination with Sky Air Alpha-series ensures best in class quality, highest efficiency and performance

- Unified range for R-32 and R-410A simplifying stock
- Top efficiency in the market! Energy label up to A++
- Slimmest unit in class, only 245mm (300mm built-in height) and therefore narrow ceiling voids are no longer a challenge
- Lowest sound levels in the market: 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
- Optional fresh air intake
- Reduced energy consumption thanks to specially developed DC fan motor and drain pump
- No optional adapter needed for DIII-connection, link your unit into the wider building management system.
- Flexible installation: air suction direction can be altered from rear to bottom suction and choice between free use or connection to optional suction grilles

FBA-A

RZAG100-140MV1/MY1

BRC1E53A-B-C BRC4C65

NEW with multi zoning option

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

Efficiency data				FBA + RZAG	71A + 71MV1	100A + 100MV1	125A + 125MV1	140A + 140MV1	71A + 71MY1	100A + 100MY1	125A + 125MY1	140A + 140MY1
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
Power input	Cooling	Nom.		kW	-	-	-	-	-	-	-	-
	Heating	Nom.		kW	-	-	-	-	-	-	-	-
Seasonal efficiency (according to EN14825)	Cooling	Energy label			A++	A++	-	-	A++	A++	-	-
		Pdesign		kW	-	-	-	-	-	-	-	-
		SEER			6.65	6.16	-	-	6.65	6.16	-	-
		Annual energy consumption		kWh	-	-	-	-	-	-	-	-
	Heating (Average climate)	Energy label			A+	A++	-	-	A+	A++	-	-
		Pdesign		kW	-	-	-	-	-	-	-	-
		SCOP/A			4.31	4.78	-	-	4.31	4.78	-	-
		Annual energy consumption		kWh	-	-	-	-	-	-	-	-
Nominal efficiency	EER				3.78 (1)	4.00 (1)	3.38 (1)	3.52 (1)	3.78 (1)	4.00 (1)	3.38 (1)	3.52 (1)
	COP				4.21 (1)	4.45 (1)	3.98 (1)	3.60 (1)	4.21 (1)	4.45 (1)	3.98 (1)	3.60 (1)
	Annual energy consumption			kWh	-	-	-	-	-	-	-	-
	Energy label	Cooling/Heating			-	-	-	-	-	-	-	-

Indoor unit				FBA	71A	100A	125A	140A	71A	100A	125A	140A
Dimensions	Unit	HeightxWidthxDepth		mm	245x1,000x800	245x1,400x800			245x1,000x800	245x1,400x800		
Weight	Unit			kg	35	46			35	46		
Air filter	Type				Resin net with mold resistance							
Fan - Air flow rate	Cooling	High/Low		m^3/min	18/12.5	29/23	34/23.5		18/12.5	29/23	34/23.5	
	Heating	High/Low		m^3/min	18/12.5	29/23	34/23.5		18/12.5	29/23	34/23.5	
Fan - External static pressure	High/Nom./Maximum available/High			Pa	150/30/-	150/40/-	150/50/-		150/30/-	150/40/-	150/50/-	
Sound power level	Cooling			dBA	56	58	62		56	58	62	
Sound pressure level	Cooling	High/Low		dBA	30/25	34/30	37/32		30/25	34/30	37/32	
	Heating	High/Low		dBA	31/25	36/30	38/32		31/25	36/30	38/32	
Refrigerant	Type				R-32 / R-410A							
Control systems	Infrared remote control				BRC4C65							
	Wired remote control				BRC1E53A / BRC1E53B / BRC1E53C / BRC1D528							
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240							

Outdoor unit				RZAG	71MV1	100MV1	125MV1	140MV1	71MY1	100MY1	125MY1	140MY1
Dimensions	Unit	HeightxWidthxDepth		mm	990x940x320	1,430x940x320	1,430x940x320	1,430x940x320	990x940x320	1,430x940x320	1,430x940x320	1,430x940x320
Weight	Unit			kg	71	93	93	93	72	93	93	93
Sound power level	Cooling			dBA	64	66	69	70	65	66	69	70
Sound pressure level	Cooling	Nom.		dBA	46	47	50	51	46	47	50	51
	Heating	Nom.		dBA	49	51	52	52	49	51	52	52
Operation range	Cooling		Min.~Max.	°CDB	-20~52							
	Heating		Min.~Max.	°CWB	-20~18							
Refrigerant	Type				R-32							
	Charge			kg	2,95	3,75	3,75	3,75	2,95	3,75	3,75	3,75
				TCO_2eq	1,99	2,53	2,53	2,53	1,99	2,53	2,53	2,53
	GWP				675							
Piping connections	Piping length	OU - IU	Max.	m	55	85	85	85	55	85	85	85
		System	Chargeless	m	40							
Power supply	Phase / Frequency / Voltage			Hz / V	1~/50/220-240				3N~/50 / 380-415			

*Note: blue cells contain preliminary data

(1) EER/COP according to Eurovent 2012, for use outside EU only

(2) 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.

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

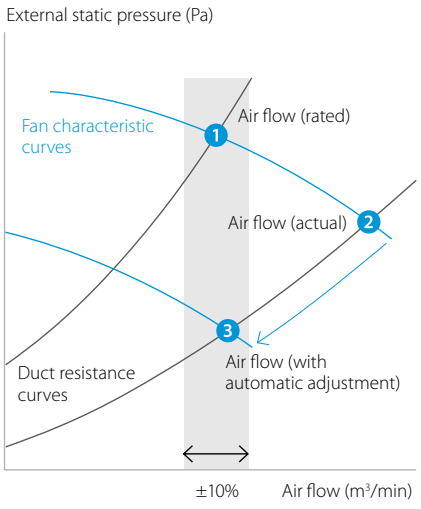
Optimised supply air volume

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



NEW with multi zoning option

Efficiency data				FBA + 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
Power input	Cooling	Nom.		kW	-	-	-	-	-	-	-
	Heating	Nom.		kW	-	-	-	-	-	-	-
Seasonal efficiency (according to EN14825)	Cooling	Energy label			A++	A+	-	-	A+	-	-
		Pdesign		kW	-	-	-	-	-	-	-
		SEER			6.19	5.83	-	-	5.83	-	-
		Annual energy consumption		kWh	-	-	-	-	-	-	-
	Heating (Average climate)	Energy label			A+	A+	-	-	A+	-	-
		Pdesign		kW	-	-	-	-	-	-	-
		SCOP/A			4.01	4.15	-	-	4.15	-	-
		Annual energy consumption		kWh	-	-	-	-	-	-	-
Nominal efficiency	EER				3.60 (1)	3.52 (1)	3.29 (1)	3.21 (1)	3.52 (1)	3.29 (1)	3.21 (1)
	COP				4.12 (1)	3.71 (1)	3.70 (1)	3.50 (1)	3.71 (1)	3.70 (1)	3.50 (1)
	Annual energy consumption			kWh	-	-	-	-	-	-	-
	Energy label	Cooling/Heating			-	-	-	-	-	-	-

Indoor unit				FBA	71A	100A	125A	140A	100A	125A	140A
Dimensions	Unit	HeightxWidthxDepth		mm	245x1,000x800	245x1,400x800					
Weight	Unit			kg	35	46					
Air filter	Type				Resin net with mold resistance						
Fan - Air flow rate	Cooling	High/Low		m^3/min	18/12.5	29/23	34/23.5		29/23	34/23.5	
	Heating	High/Low		m^3/min	18/12.5	29/23	34/23.5		29/23	34/23.5	
Fan - External static pressure	High/Nom./Maximum available/High			Pa	150/30/-	150/40/-	150/50/-		150/40/-	150/50/-	
Sound power level	Cooling			dBA	56	58	62		58	62	
Sound pressure level	Cooling	High/Low		dBA	30/25	34/30	37/32		34/30	37/32	
	Heating	High/Low		dBA	31/25	36/30	38/32		36/30	38/32	
Control systems	Infrared remote control				BRC4C65						
	Wired remote control				BRC1E53A / BRC1E53B / BRC1E53C / BRC1D528						
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240						

Outdoor unit				RZASG	71MV1	100MV1	125MV1	140MV1	100MY1	125MY1	140MY1
Dimensions	Unit	HeightxWidthxDepth		mm	770x900x320	990x940x320	990x940x320	990x940x320	990x940x320	990x940x320	990x940x320
Weight	Unit			kg	67	73	74	81	74	74	81
Sound power level	Cooling			dBA	65	69	71	72	69	71	72
Sound pressure level	Cooling	Nom.		dBA	49	53	54	55	53	54	55
	Heating	Nom.		dBA	51	57	58	59	57	58	59
Operation range	Cooling		Min.~Max.	°CDB	-15~46						
	Heating		Min.~Max.	°CWB	-15~15,5						
Refrigerant	Type				R-32						
	Charge			kg	2,45	2,6	2,6	2,9	2,6	2,6	2,9
				TCO_2eq	1,65	1,76	1,76	1,96	1,76	1,76	1,96
	GWP				675						
Piping connections	Piping length	OU - IU	Max.	m	50						
		System	Chargeless	m	30						
Power supply	Phase / Frequency / Voltage			Hz / V	1~/50/220-240	1~/50/220-240	1~/50/220-240	1~/50/220-240	3N~/50 / 380-415	3N~/50 / 380-415	3N~/50 / 380-415

*Note: blue cells contain preliminary data

(1) EER/COP according to Eurovent 2012, for use outside EU only

(2) 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.

Sky Air Alpha-series
BLUEVOLUTION

Concealed ceiling unit with medium ESP

Slimmest yet most powerful medium static pressure unit on the market

Ideal solution for small businesses

FBA-A

AZAS71MV1/MY1

BRC1E53A-B-C

BRC4C65

NEW with multi zoning option

Efficiency data				FBA + AZAS	71A + 71MV1	100A + 100MV1	125A + 125MV1	140A + 140MV1	100A + 100MY1	125A + 125MY1	140A + 140MY1
Cooling capacity	Nom.			kW	6.80	9.50	12.1	13.0	9.50	12.1	13.0
Heating capacity	Nom.			kW	7.50	10.8	13.5	15.5	10.8	13.5	15.5
Power input	Cooling	Nom.		kW	-	-	-	-	-	-	-
	Heating	Nom.		kW	-	-	-	-	-	-	-
Seasonal efficiency (according to EN14825)	Cooling	Energy label			A	A	-	-	A	-	-
		Pdesign		kW	-	-	-	-	-	-	-
		SEER			5.57	5.25	-	-	5.25	-	-
		Annual energy consumption		kWh	-	-	-	-	-	-	-
	Heating (Average climate)	Energy label			A	A	-	-	A	-	-
		Pdesign		kW	-	-	-	-	-	-	-
		SCOP/A			3.81	3.81	-	-	3.81	-	-
		Annual energy consumption		kWh	-	-	-	-	-	-	-
Nominal efficiency	EER				3.24 (1)	3.17 (1)	2.97 (1)	3.01 (1)	3.17 (1)	2.97 (1)	3.01 (1)
	COP				3.70 (1)	3.42 (1)	3.41 (1)	3.41 (1)	3.42 (1)	3.41 (1)	3.41 (1)
	Annual energy consumption			kWh	-	-	-	-	-	-	-
	Energy label	Cooling/Heating			-	-	-	-	-	-	-

Indoor unit				FBA	71A	100A	125A	140A	100A	125A	140A
Dimensions	Unit	HeightxWidthxDepth		mm	245x1,000x800	245x1,400x800					
Weight	Unit			kg	35	46					
Air filter	Type				Resin net with mold resistance						
Fan - Air flow rate	Cooling	High/Low		m^3/min	18/12.5	29/23	34/23.5		29/23	34/23.5	
	Heating	High/Low		m^3/min	18/12.5	29/23	34/23.5		29/23	34/23.5	
Fan - External static pressure	High/Nom./Maximum available/High			Pa	150/30/-	150/40/-	150/50/-		150/40/-	150/50/-	
Sound power level	Cooling			dBA	56	58	62		58	62	
Sound pressure level	Cooling	High/Low		dBA	30/25	34/30	37/32		34/30	37/32	
	Heating	High/Low		dBA	31/25	36/30	38/32		36/30	38/32	
Control systems	Infrared remote control				BRC4C65						
	Wired remote control				BRC1E53A / BRC1E53B / BRC1E53C / BRC1D528						
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240						

Outdoor unit				AZAS	71MV1	100MV1	125MV1	140MV1	100MY1	125MY1	140MY1
Dimensions	Unit	HeightxWidthxDepth		mm	770x900x320	990x940x320	990x940x320	990x940x320	990x940x320	990x940x320	990x940x320
Weight	Unit			kg	67	73	74	81	74	74	81
Sound power level	Cooling			dBA	65	70	71	72	70	71	72
Sound pressure level	Cooling	Nom.		dBA	49	53	54	55	53	54	55
	Heating	Nom.		dBA	51	57	58	59	57	58	59
Operation range	Cooling		Min.~Max.	°CDB	-5~46						
	Heating		Min.~Max..	°CWB	-15~15,5						
Refrigerant	Type				R-32						
	Charge			kg	2,45	2,6	2,6	2,9	2,6	2,6	2,9
				TCO_2eq	1,65	1,76	1,76	1,96	1,76	1,76	1,96
	GWP				675						
Piping connections	Piping length	OU - IU	Max.	m	30						
		System	Chargeless	m	30						
Power supply	Phase / Frequency / Voltage			Hz / V	1~/50/220-240				3N~/50 / 380-415		

*Note: blue cells contain preliminary data

(1) EER/COP according to Eurovent 2012, for use outside EU only

(2) 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.

BLUEVOLUTION

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 or residential applications

FBA-A

RXM35M9

BRC1E53A-B-C

BRC4C65

NEW with multi zoning option

Efficiency data				FBA + RXM	35A + 35M9	50A + 50M9	60A + 60M9
Cooling capacity	Nom.			kW	3.40	5.00	5.70
Heating capacity	Nom.			kW	4.00	5.50	7.00
Power input	Cooling	Nom.		kW	-	-	-
	Heating	Nom.		kW	-	-	-
Seasonal efficiency (according to EN14825)	Cooling	Energy efficiency class			A++	A++	A+
		Pdesign		kW	3.40	5.00	5.70
		SEER			6.23	6.27	5.91
		Annual energy consumption		kWh	-	-	-
	Heating (Average climate)	Energy efficiency class			A+	A+	A+
		Pdesign		kW	2.90	4.40	4.60
		SCOP/A			4.07	4.06	4.01
		Annual energy consumption		kWh	-	-	-
Nominal efficiency	EER				4.02	3.55	3.48
	COP				4.02	3.83	3.71
	Annual energy consumption			kWh	-	-	-
	Energy labeling Directive	Cooling/Heating			-	-	-

Indoor unit				FBA	35A	50A	60A
Dimensions	Unit	HeightxWidthxDepth		mm	245x700x800		245x1,000x800
Weight	Unit			kg	28		35
Air filter	Type				Resin net with mold resistance		
Fan - Air flow rate	Cooling	High/Low		m^3/min	15/10.5		18/12.5
	Heating	High/Low		m^3/min	15/10.5		18/12.5
Fan - External static pressure	High/Nom./Maximum available/High			Pa	150/30/-		
Sound power level	Cooling			dBA	60		56
Sound pressure level	Cooling	High/Low		dBA	35/29		30/25
	Heating	High/Low		dBA	37/29		31/25
Refrigerant	Type				R-32 / R-410A		
Control systems	Infrared remote control				BRC4C65		
	Wired remote control				BRC1E53A/BRC1E53B/BRC1E53C/BRC1D528		
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240		

Outdoor unit				RXM	35M9	50M9	60M9
Dimensions	Unit	HeightxWidthxDepth		mm	550x765x285		
Weight	Unit			kg	32	44	
Sound power level	Cooling			dBA	61	63	
	Heating			dBA	61	62	63
Sound pressure level	Cooling	High/Low		dBA	49/-	48/44	
	Heating	High/Low		dBA	49/-	49/45	
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~46		
	Heating	Ambient	Min.~Max.	°CWB	-15~18		
Refrigerant	Type				R-32		
	Charge			kg	0.76	1.4	1.45
				TCO_2eq	0.5	0.9	1.0
	GWP				675		
Piping connections	Liquid	OD		mm	6.35		
	Gas	OD		mm	9.5		
	Piping length	OU - IU	Max.	m	30		
		System	Chargeless	m	10		
	Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 10m)		
	Level difference	IU - OU	Max.	m	20		
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240		
Current - 50Hz	Maximum fuse amps (MFA)			A	10	15	

*Note: blue cells contain preliminary data

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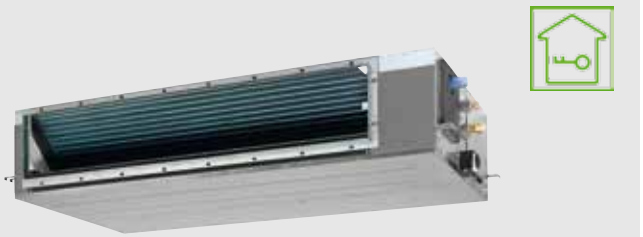
Sky Air Alpha-series BLUEVOLUTION

Sky Air Advance-serie BLUEVOLUTION

Concealed ceiling unit with high ESP

ESP up to 200, ideal for large sized spaces

- Unified range for R-32 and R-410A simplifying stock
- High external static pressure up to 200Pa facilitates extensive duct and grille network
- Possibility to change ESP via wired remote control allows optimisation of the supply air volume
- Discretely concealed in the ceiling: only the suction and discharge grilles are visible
- Reduced energy consumption thanks to specially developed DC fan motor
- No optional adapter needed for DIII-connection, link your unit into the wider building management system.
- Flexible installation, as the air suction direction can be altered from rear to bottom suction
- Standard built-in drain pump with 625mm lift increases flexibility and installation speed



FDA125A

RZAG100-140MV1/MY1

BRC1E53A-B-C BRC4C65

					Sky Air Alpha-series		Sky Air Advance-series	
Efficiency data				**FDA + RZAG/RZASG**	**125A + 125MV1**	**125A + 125MY1**	**125A + 125MV1**	**125A + 125MY1**
Cooling capacity	Nom.			kW	12.1	12.1	12.1	12.1
Heating capacity	Nom.			kW	13.5	13.5	13.5	13.5
Power input	Cooling	Nom.		kW	-	-	-	-
	Heating	Nom.		kW	-	-	-	-
Seasonal efficiency (according to EN14825)	Cooling	Energy efficiency class			-	-	-	-
		Pdesign		kW	-	-	-	-
		SEER			-	-	-	-
		Annual energy consumption		kWh	-	-	-	-
	Heating (Average climate)	Energy efficiency class			-	-	-	-
		Pdesign		kW	-	-	-	-
		SCOP/A			-	-	-	-
		Annual energy consumption		kWh	-	-	-	-
Nominal efficiency	EER				3.83	3.83	3.21	3.21
	COP				3.91	3.91	3.52	3.52
	Annual energy consumption			kWh	-	-	-	-
	Energy labeling Directive	Cooling/Heating			-	-	-	-

Indoor unit				**FDA**	**125A**
Dimensions	Unit	HeightxWidthxDepth		mm	300x1,400x700
Required ceiling void >				mm	350
Weight	Unit			kg	45
Decoration panel	Model				BYBS125DJW1
	Colour				White (10Y9/0.5)
	Dimensions	HeightxWidthxDepth		mm	55x1,500x500
	Weight			kg	6.5
Air filter	Type				Resin net with mold resistance
Fan - Air flow rate	Cooling	High/Low		m^3/min	39/28
	Heating	High/Low		m^3/min	39/28
Fan - External static pressure	High/Nom./Maximum available/High			Pa	200/50/-
Sound power level	Cooling			dBA	66
Sound pressure level	Cooling	High/Low		dBA	40/33
	Heating	High/Low		dBA	40/33
Refrigerant	Type				R-32 / R-410A
Control systems	Infrared remote control				BRC4C65
	Wired remote control				BRC1D52 / BRC1E53A / BRC1E53B / BRC1E53C
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50/60 / 220-240/220

Outdoor unit				**RZAG/RZASG**	**125MV1**	**125MY1**	**125MV1**	**125MY1**
Dimensions	Unit	HeightxWidthxDepth		mm	1,430x940x320	1,430x940x320	990x940x320	990x940x320
Weight	Unit			kg	93	93	74	74
Sound power level	Cooling			dBA	69	69	71	71
Sound pressure level	Cooling	Nom.		dBA	50	50	54	54
	Heating	Nom.		dBA	52	52	58	58
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-20~52		-15~46	
	Heating	Ambient	Min.~Max.	°CWB	-20~18		-15~15,5	
Refrigerant	Type				R-32			
	Charge			kg	3,75		2,6	
				TCO_2eq	2,53		1,76	
	GWP				675			
Piping connections	Piping length	OU - IU	Max.	m	85		50	
		System	Chargeless	m	40		30	
Power supply	Phase / Frequency / Voltage			Hz / V	1~/50/220-240	3N~/50 / 380-415	1~/50/220-240	3N~/50 / 380-415

*Note: blue cells contain preliminary data

(1) EER/COP according to Eurovent 2012, for use outside EU only

(2) 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.

Wall mounted unit

For rooms with no false ceilings nor free floor space

Combination with Sky Air Alpha-series ensures best in class quality, highest efficiency and performance

- Unified range for R-32 and R-410A simplifying stock
- 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
- Reduced energy consumption thanks to specially developed DC fan motor
- 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
- Optimum comfort guaranteed with automatic air-flow volume control as this minimises the difference between room and required temperature. No action required from occupants to meet the desired temperature.
- No optional adapter needed for DIII-connection, link your unit into the wider building management system.

Efficiency data				**FAA + RZAG**	**71A + 71MV1**	**100A + 100MV1**	**71A + 71MY1**	**100A + 100MY1**
Cooling capacity	Nom.			kW	6.80	9.50	6.80	9.50
Heating capacity	Nom.			kW	7.5	10.8	7.5	10.8
Power input	Cooling	Nom.		kW	-	-	-	-
	Heating	Nom.		kW	-	-	-	-
Seasonal efficiency (according to EN14825)	Cooling	Energy efficiency class			A++	A++	A++	A++
		Pdesign		kW	-	-	-	-
		SEER			7.03	6.42	7.03	6.42
		Annual energy consumption		kWh	-	-	-	-
	Heating (Average climate)	Energy efficiency class			A+	A+	A+	A+
		Pdesign		kW	-		-	
		SCOP/A			4.02	4.01	4.02	4.01
		Annual energy consumption		kWh	-	-	-	-
Nominal efficiency	EER				3.45	3.77	3.45	3.77
	COP				3.89	3.61	3.89	3.61
	Annual energy consumption			kWh	-	-	-	-
	Energy labeling Directive	Cooling/Heating			-	-	-	-

Indoor unit				**FAA**	**71A**	**100A**	**71A**	**100A**
Dimensions	Unit	HeightxWidthxDepth		mm	290x1,050x238	340x1,200x240	290x1,050x238	340x1,200x240
Weight	Unit			kg	13	17	13	17
Fan - Air flow rate	Cooling	High/Low		m^3/min	18/14	26/19	18/14	26/19
	Heating	High/Low		m^3/min	18/14	26/19	18/14	26/19
Sound power level	Cooling			dBA	61	65	61	65
	Heating			dBA	61	65	61	65
Sound pressure level	Cooling	High/Low		dBA	45/40	49/41	45/40	49/41
	Heating	High/Low		dBA	45/40	49/41	45/40	49/41
Refrigerant	Type				R-32 / R-410A			
Control system	Infrared remote control				BRC7EB518			
	Wired remote control				BRC1E53A / BRC1E53B /BRC1E53C / BRC1D52			
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240			

Outdoor unit				**RZAG**	**71MV1**	**100MV1**	**71MY1**	**100MY1**
Dimensions	Unit	HeightxWidthxDepth		mm	990x940x320	1,430x940x320	990x940x320	1,430x940x320
Weight	Unit			kg	71	93	72	93
Sound power level	Cooling			dBA	64	66	65	66
Sound pressure level	Cooling	Nom.		dBA	46	47	46	47
	Heating	Nom.		dBA	49	51	49	51
Operation range	Cooling		Min.~Max.	°CDB	-20~52			
	Heating		Min.~Max.	°CWB	-20~18			
Refrigerant	Type				R-32			
	Charge			kg	2,95	3,75	2,95	3,75
				TCO_2eq	1,99	2,53	1,99	2,53
	GWP				675			
Piping connections	Piping length	OU - IU	Max.	m	55	85	55	85
		System	Chargeless	m	40			
Power supply	Phase / Frequency / Voltage			Hz / V	1~/50/220-240		3N~/50 / 380-415	

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Sky Air Advance-serie
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

FAA100A

RZASG

BRC1E53A-B-C BRC7EB518

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	
Power input	Cooling	Nom.		kW	-	-	
	Heating	Nom.		kW	-	-	
Seasonal efficiency (according to EN14825)	Cooling	Energy efficiency class			A++	A+	
		Pdesign		kW	-	-	
		SEER			6.41	5.83	
		Annual energy consumption		kWh	-	-	
	Heating (Average climate)	Energy efficiency class			A	A+	
		Pdesign		kW	-	-	
		SCOP/A			3.90	4.01	
		Annual energy consumption		kWh	-	-	
Nominal efficiency	EER				3.21	3.11	
	COP				3.67	3.42	
	Annual energy consumption			kWh	-	-	
	Energy labeling Directive	Cooling/Heating			-	-	

Indoor unit				FAA	71A	100A
Dimensions	Unit	HeightxWidthxDepth		mm	290x1,050x238	340x1,200x240
Weight	Unit			kg	13	17
Fan - Air flow rate	Cooling	High/Low		m^3/min	18/14	26/19
	Heating	High/Low		m^3/min	18/14	26/19
Sound power level	Cooling			dBA	61	65
	Heating			dBA	61	65
Sound pressure level	Cooling	High/Low		dBA	45/40	49/41
	Heating	High/Low		dBA	45/40	49/41
Refrigerant	Type				R-32 / R-410A	
Control systems	Infrared remote control				BRC7EB518	
	Wired remote control				BRC1E53A / BRC1E53B /BRC1E53C / BRC1D52	
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240	

Outdoor unit				RZASG	71MV1	100MV1	100MY1
Dimensions	Unit	HeightxWidthxDepth		mm	770x900x320	990x940x320	
Weight	Unit			kg	67	73	74
Sound power level	Cooling			dBA	65	69	
Sound pressure level	Cooling	Nom.		dBA	49	53	
	Heating	Nom.		dBA	51	57	
Operation range	Cooling		Min.~Max.	°CDB	-15~46		
	Heating		Min.~Max.	°CWB	-15~15,5		
Refrigerant	Type				R-32		
	Charge			kg	2,45	2,6	
				TCO_2eq	1,65	1,76	
	GWP				675		
Piping connections	Piping length	OU - IU	Max.	m	50		
		System	Chargeless	m	30		
Power supply	Phase / Frequency / Voltage			Hz / V	1~/50/220-240		3N~/50 / 380-415

*Note: blue cells contain preliminary data

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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

FAQ100C9

AZAS71MV1/MY1

BRC1E53A-B-C BRC7EB518

Efficiency data				FAA + AZAS	71A + 71MV1	100A + 100MV1	100A + 100MY1
Cooling capacity	Nom.			kW	6.80	9.50	
Heating capacity	Nom.			kW	7.50	10.8	
Power input	Cooling	Nom.		kW	-	-	
	Heating	Nom.		kW	-	-	
Seasonal efficiency (according to EN14825)	Cooling	Energy efficiency class			A+	A	
		Pdesign		kW	-	-	
		SEER			5.77	5.25	
		Annual energy consumption		kWh	-	-	
	Heating (Average climate)	Energy efficiency class			A	A	
		Pdesign		kW	-	-	
		SCOP/A			3.81	3.81	
		Annual energy consumption		kWh	-	-	
Nominal efficiency	EER				2.89	2.80	
	COP				3.30	3.08	
	Annual energy consumption			kWh	-	-	
	Energy labeling Directive	Cooling/Heating			-	-	

Indoor unit				FAA	71A	100A
Dimensions	Unit	HeightxWidthxDepth		mm	290x1,050x238	340x1,200x240
Weight	Unit			kg	13	17
Fan - Air flow rate	Cooling	High/Low		m^3/min	18/14	26/19
	Heating	High/Low		m^3/min	18/14	26/19
Sound power level	Cooling			dBA	61	65
	Heating			dBA	61	65
Sound pressure level	Cooling	High/Low		dBA	45/40	49/41
	Heating	High/Low		dBA	45/40	49/41
Refrigerant	Type				R-32 / R-410A	
Control systems	Infrared remote control				BRC7EB518	
	Wired remote control				BRC1E53A / BRC1E53B /BRC1E53C / BRC1D52	
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240	

Outdoor unit				AZAS	71MV1	100MV1	100MY1
Dimensions	Unit	HeightxWidthxDepth		mm	770x900x320	990x940x320	
Weight	Unit			kg	67	73	74
Sound power level	Cooling			dBA	65	70	
Sound pressure level	Cooling	Nom.		dBA	49	53	
	Heating	Nom.		dBA	51	57	
Operation range	Cooling		Min.~Max.	°CDB	-5~46		
	Heating		Min.~Max..	°CWB	-15~15,5		
Refrigerant	Type				R-32		
	Charge			kg	2,45	2,6	
				TCO_2eq	1,65	1,76	
	GWP				675		
Piping connections	Piping length	OU - IU	Max.	m	30		
		System	Chargeless	m	30		
Power supply	Phase / Frequency / Voltage			Hz / V	1~/50/220-240	3N~/50 / 380-415	

*Note: blue cells contain preliminary data

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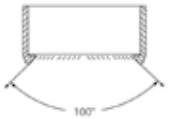
Sky Air Alpha-series
BLUEVOLUTION

Ceiling suspended unit

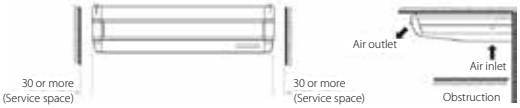
For wide rooms with no false ceilings nor free floor space

Combination with Sky Air Alpha-series ensures best in class quality, highest efficiency and performance

- Unified range for R-32 and R-410A simplifying stock
- 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 mounted in corners and narrow spaces, as it only needs 30mm lateral service space



- Reduced energy consumption thanks to specially developed DC fan motor and drain pump
- 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
- No optional adapter needed for DIII-connection, link your unit into the wider building management system.
- Drain pump kit available as accessory
- Fresh air intake integrated in the same system thus reducing installation cost as no additional ventilation device is required

Efficiency data				FHA + RZAG	71A + 71MV1	100A + 100MV1	125A + 125MV1	140A + 140MV1	71A + 71MY1	100A + 100MY1	125A + 125MY1	140A + 140MY1
Cooling capacity	Nom.			kW	6.80	9.5	12.1	13.4	6.80	9.5	12.1	13.4
Heating capacity	Nom.			kW	7.50	10.8	13.5	15.5	7.50	10.8	13.5	15.5
Power input	Cooling	Nom.		kW	-	-	-	-	-	-	-	-
	Heating	Nom.		kW	-	-	-	-	-	-	-	-
Seasonal efficiency (according to EN14825)	Cooling	Energy efficiency class			A++	A++	-	-	A++	A++	-	-
		Pdesign		kW	-	-	-	-	-	-	-	-
		SEER			7.51	6.42	-	-	7.51	6.42	-	-
		Annual energy consumption		kWh	-	-	-	-	-	-	-	-
	Heating (Average climate)	Energy efficiency class			A+	A++	-	-	A+	A++	-	-
		Pdesign		kW	-	-	-	-	-	-	-	-
		SCOP/A			4.32	4.61	-	-	4.32	4.61	-	-
		Annual energy consumption		kWh	-	-	-	-	-	-	-	-
Nominal efficiency	EER				3.96	4.31	3.59	3.48	3.96	4.31	3.59	3.48
	COP				4.34	4.42	3.90	3.63	4.34	4.42	3.90	3.63
	Annual energy consumption			kWh	-	-	-	-	-	-	-	-
	Energy labeling Directive	Cooling/Heating			-	-	-	-	-	-	-	-

Indoor unit				FHA	71A	100A	125A	140A	71A	100A	125A	140A
Dimensions	Unit	HeightxWidthxDepth		mm	235x1,270x690	235x1,590x690			235x1,270x690	235x1,590x690		
Weight	Unit			kg	32	38			32	38		
Air filter	Type				Resin net with mold resistance							
Fan - Air flow rate	Cooling	High/Low		m^3/min	20.5/14	28/20	31/23	34/24	20.5/14	28/20	31/23	34/24
	Heating	High/Low		m^3/min	20.5/14	28/20	31/23	34/24	20.5/14	28/20	31/23	34/24
Sound power level	Coolingw			dBA	55	60	62	64	55	60	62	64
	Heating			dBA	55	60	62	64	55	60	62	64
Sound pressure level	Cooling	High/Low		dBA	38/34	42/34	44/37	46/38	38/34	42/34	44/37	46/38
	Heating	High/Low		dBA	38/34	42/34	44/37	46/38	38/34	42/34	44/37	46/38
Refrigerant	Type				R-32 / R-410A							
Control systems	Infrared remote control				BRC7G53							
	Wired remote control				BRC1D52 / BRC1E53A / BRC1E53B / BRC1E53C							
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240							

Outdoor unit				RZAG	71MV1	100MV1	125MV1	140MV1	71MY1	100MY1	125MY1	140MY1
Dimensions	Unit	HeightxWidthxDepth		mm	990x940x320	1,430x940x320	1,430x940x320	1,430x940x320	990x940x320	1,430x940x320	1,430x940x320	1,430x940x320
Weight	Unit			kg	71	93	93	93	72	93	93	93
Sound power level	Cooling			dBA	64	66	69	70	65	66	69	70
Sound pressure level	Cooling	Nom.		dBA	46	47	50	51	46	47	50	51
	Heating	Nom.		dBA	49	51	52	52	49	51	52	52
Operation range	Cooling		Min.~Max.	°CDB	-20~52							
	Heating		Min.~Max.	°CWB	-20~18							
Refrigerant	Type				R-32							
	Charge			kg	2,95	3,75	3,75	3,75	2,95	3,75	3,75	3,75
				TCO_2eq	1,99	2,53	2,53	2,53	1,99	2,53	2,53	2,53
	GWP				675							
Piping connections	Piping length	OU - IU	Max.	m	55	85	85	85	55	85	85	85
		System	Chargeless	m	40							
Power supply	Phase / Frequency / Voltage			Hz / V	1~/50/220-240				3N~/50 / 380-415			

*Note: blue cells contain preliminary data

(1) EER/COP according to Eurovent 2012, for use outside EU only
(2) 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.

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

FHA60-71A

RZAG100-140MV1/MY1

BRC1E53A-B-C

BRC7G53

Efficiency data				FHA + 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
Power input	Cooling	Nom.		kW	-	-	-	-	-	-	-
	Heating	Nom.		kW	-	-	-	-	-	-	-
Seasonal efficiency (according to EN14825)	Cooling	Energy efficiency class			A+	A+	-	-	A+	-	-
		Pdesign		kW	-	-	-	-	-	-	-
		SEER			5.95	5.83	-	-	5.83	-	-
		Annual energy consumption		kWh	-	-	-	-	-	-	-
	Heating (Average climate)	Energy efficiency class			A	A	-	-	A	-	-
		Pdesign		kW	-	-	-	-	-	-	-
		SCOP/A			3.90	3.91	-	-	3.91	-	-
		Annual energy consumption		kWh	-	-	-	-	-	-	-
Nominal efficiency	EER				3.51	3.37	2.95	3.16	3.37	2.95	3.16
	COP				4.15	3.65	3.83	3.41	3.65	3.83	3.41
	Annual energy consumption			kWh	-	-	-	-	-	-	-
	Energy labeling Directive	Cooling/Heating			-	-	-	-	-	-	-

Indoor unit				FHA	71A	100A	125A	140A	100A	125A	140A
Dimensions	Unit	HeightxWidthxDepth		mm	235x1,270x690	235x1,590x690					
Weight	Unit			kg	32	38					
Air filter	Type				Resin net with mold resistance						
Fan - Air flow rate	Cooling	High/Low		m^3/min	20.5/14	28/20	31/23	34/24	28/20	31/23	34/24
	Heating	High/Low		m^3/min	20.5/14	28/20	31/23	34/24	28/20	31/23	34/24
Sound power level	Cooling			dBA	55	60	62	64	60	62	64
	Heating			dBA	55	60	62	64	60	62	64
Sound pressure level	Cooling	High/Low		dBA	38/34	42/34	44/37	46/38	42/34	44/37	46/38
	Heating	High/Low		dBA	38/34	42/34	44/37	46/38	42/34	44/37	46/38
Refrigerant	Type				R-32 / R-410A						
Control systems	Infrared remote control				BRC7G53						
	Wired remote control				BRC1D52 / BRC1E53A / BRC1E53B / BRC1E53C						
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240						

Outdoor unit				RZASG	71MV1	100MV1	125MV1	140MV1	100MY1	125MY1	140MY1
Dimensions	Unit	HeightxWidthxDepth		mm	770x900x320	990x940x320	990x940x320	990x940x320	990x940x320	990x940x320	990x940x320
Weight	Unit			kg	67	73	74	81	74	74	81
Sound power level	Cooling			dBA	65	69	71	72	69	71	72
Sound pressure level	Cooling	Nom.		dBA	49	53	54	55	53	54	55
	Heating	Nom.		dBA	51	57	58	59	57	58	59
Operation range	Cooling		Min.~Max.	°CDB	-15~46						
	Heating		Min.~Max.	°CWB	-15~15,5						
Refrigerant	Type				R-32						
	Charge			kg	2,45	2,6	2,6	2,9	2,6	2,6	2,9
				TCO_2eq	1,65	1,76	1,76	1,96	1,76	1,76	1,96
	GWP				675						
Piping connections	Piping length	OU - IU	Max.	m	50						
		System	Chargeless	m	30						
Power supply	Phase / Frequency / Voltage			Hz / V	1~/50/220-240				3N~/50 / 380-415		

*Note: blue cells contain preliminary data

(1) EER/COP according to Eurovent 2012, for use outside EU only

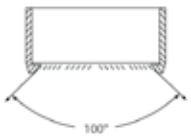
(2) MFA is used to select the circuit breaker and the ground fault circuit interrupter (earth leakage circuit breaker). For more detailed information on each combination, please refer to the electrical data drawing.

BLUEVOLUTION

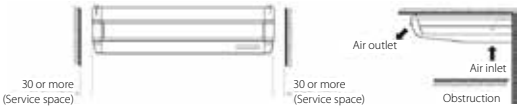
Ceiling suspended unit

For wide rooms with no false ceilings nor free floor space

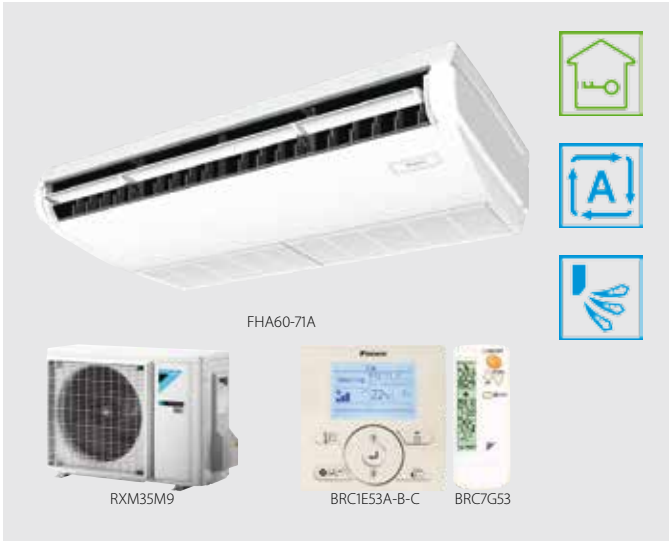
Combination with split outdoor units is ideal for small retail, offices or residential applications



- Unified range for R-32 and R-410A simplifying stock
- 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 mounted in corners and narrow spaces, as it only needs 30mm lateral service space



- Reduced energy consumption thanks to specially developed DC fan motor and drain pump
- 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



- No optional adapter needed for DIII-connection, link your unit into the wider building management system.
- Drain pump kit available as accessory
- Fresh air intake integrated in the same system thus reducing installation cost as no additional ventilation device is required

Efficiency data				**FHA + RXM**	**35A + 35M9**	**50A + 50M9**	**60A + 60M9**
Cooling capacity	Nom.			kW	3.4	5.0	5.7
Heating capacity	Nom.			kW	4.0	6.0	7.2
Power input	Cooling	Nom.		kW	-	-	-
	Heating	Nom.		kW	-	-	-
Seasonal efficiency (according to EN14825)	Cooling	Energy efficiency class			A++	A+	
		Pdesign		kW	-	-	-
		SEER			6.24	5.92	6.08
		Annual energy consumption		kWh	-	-	-
	Heating (Average climate)	Energy efficiency class			A+	A	A+
		Pdesign		kW	-	-	-
		SCOP/A			4.43	3.86	3.87
		Annual energy consumption		kWh	-	-	-
Nominal efficiency	EER				3.73	3.21	3.29
	COP				4.08	3.35	3.32
	Annual energy consumption			kWh	-	-	-
	Energy labeling Directive	Cooling/Heating			-	-	-

Indoor unit				**FHA**	**35A**	**50A**	**60A**
Dimensions	Unit	HeightxWidthxDepth		mm	235x960x690		235x1,270x690
Weight	Unit			kg	24	25	31
Air filter	Type				Resin net with mold resistance		
Fan - Air flow rate	Cooling	High/Low		m^3/min	14/10	15/10	19.5/11.5
	Heating	High/Low		m^3/min	14/10	15/10	19.5/11.5
Sound power level	Cooling			dBA	53	54	
	Heating			dBA	53	54	
Sound pressure level	Cooling	High/Low		dBA	36/31	37/32	37/33
	Heating	High/Low		dBA	36/31	37/32	37/33
Refrigerant	Type				R-32 / R-410A		
Control systems	Infrared remote control				BRC7G53		
	Wired remote control				BRC1D52 / BRC1E53A / BRC1E53B / BRC1E53C		
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240		

Outdoor unit				**RXM**	**35M9**	**50M9**	**60M9**
Dimensions	Unit	HeightxWidthxDepth		mm	550x765x285		
Weight	Unit			kg	32	44	
Sound power level	Cooling			dBA	61	63	
	Heating			dBA	61	62	63
Sound pressure level	Cooling	High/Low		dBA	49/-	48/44	
	Heating	High/Low		dBA	49/-	49/45	
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~46		
	Heating	Ambient	Min.~Max.	°CWB	-15~18		
Refrigerant	Type				R-32		
	Charge			kg	0.76	1.4	1.45
				TCO_2eq	0.5	0.9	1.0
	GWP				675		
Piping connections	Liquid	OD		mm	6.35		
	Gas	OD		mm	9.5		
	Piping length	OU - IU	Max.	m	30		
		System	Chargeless	m	10		
	Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 10m)		
	Level difference	IU - OU	Max.	m	20		
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240		
Current - 50Hz	Maximum fuse amps (MFA)			A	10	15	

*Note: blue cells contain preliminary data

(1) EER/COP according to Eurovent 2012, for use outside EU only

(2) 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.

Sky Air Alpha-series
BLUEVOLUTION

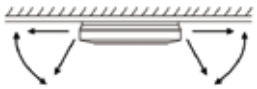
4-way blow ceiling suspended unit

UNIQUE

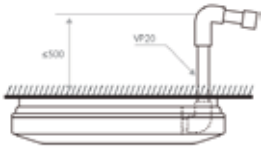
Unique Daikin unit for high rooms with no false ceilings nor free floor space

Combination with Sky Air Alpha-series ensures best in class quality, highest efficiency and performance

› Unified range for R-32 and R-410A simplifying stock
› Even rooms with ceilings up to 3.5m can be heated up or cooled down very easily without capacity loss
› 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 unit blends easily with any interior. The flaps close entirely when the unit is not operating and there are no air intake grilles visible
› Optimum comfort guaranteed with automatic air flow adjustment to the required load
› Standard drain pump with 500mm lift increases flexibility and installation speed



› No optional adapter needed for DIII-connection, link your unit into the wider building management system.

Efficiency data				**FUA + RZAG**	**71A + 71MV1**	**100A + 100MV1**	**125A + 125MV1**	**71A + 71MY1**	**100A + 100MY1**	**125A + 125MY1**
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
Power input	Cooling	Nom.		kW	-	-	-	-	-	-
	Heating	Nom.		kW	-	-	-	-	-	-
Seasonal efficiency (according to EN14825)	Cooling	Energy efficiency class			A++	A++	-	A++	A++	-
		Pdesign		kW	-	-	-	-	-	-
		SEER			7.02	6.42	-	7.02	6.42	-
		Annual energy consumption		kWh	-	-	-	-	-	-
	Heating (Average climate)	Energy efficiency class			A+	A+	-	A+	A+	-
		Pdesign		kW	-	-	-	-	-	-
		SCOP/A			4.20	4.50	-	4.20	4.50	-
		Annual energy consumption		kWh	-	-	-	-	-	-
Nominal efficiency	EER				4.14	4.22	3.47	4.14	4.22	3.47
	COP				4.47	4.08	4.08	4.47	4.08	4.08
	Annual energy consumption			kWh	-	-	-	-	-	-
	Energy labeling Directive	Cooling/Heating			-	-	-	-	-	-

Indoor unit				**FUA**	**71A**	**100A**	**125A**	**71A**	**100A**	**125A**
Dimensions	Unit	HeightxWidthxDepth		mm	198x950x950					
Weight	Unit			kg	25	26		25	26	
Air filter	Type				Resin net with mold resistance					
Fan - Air flow rate	Cooling	High/Low		m^3/min	23/16	31/20	32.5/20.5	23/16	31/20	32.5/20.5
	Heating	High/Low		m^3/min	23/16	31/20	32.5/20.5	23/16	31/20	32.5/20.5
Sound power level	Cooling			dBA	59	64	65	59	64	65
	Heating			dBA	59	64	65	59	64	65
Sound pressure level	Cooling	High/Low		dBA	41/35	46/39	47/40	41/35	46/39	47/40
	Heating	High/Low		dBA	41/35	46/39	47/40	41/35	46/39	47/40
Refrigerant	Type				R-32 / R-410A					
Control systems	Infrared remote control				BRC7C58					
	Wired remote control				BRC1D52 / BRC1E53A / BRC1E53B /BRC1E53AC					
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50/60 / 220-240/220					

Outdoor unit				**RZAG**	**71MV1**	**100MV1**	**125MV1**	**71MY1**	**100MY1**	**125MY1**
Dimensions	Unit	HeightxWidthxDepth		mm	990x940x320	1,430x940x320	1,430x940x320	990x940x320	1,430x940x320	1,430x940x320
Weight	Unit			kg	71	93	93	72	93	93
Sound power level	Cooling			dBA	64	66	69	65	66	69
Sound pressure level	Cooling	Nom.		dBA	46	47	50	46	47	50
	Heating	Nom.		dBA	49	51	52	49	51	52
Operation range	Cooling		Min.~Max.	°CDB	-20~52					
	Heating		Min.~Max.	°CWB	-20~18					
Refrigerant	Type				R-32					
	Charge			kg	2,95	3,75	3,75	2,95	3,75	3,75
				TCO_2eq	1,99	2,53	2,53	1,99	2,53	2,53
	GWP				675					
Piping connections	Piping length	OU - IU	Max.	m	55	85	85	55	85	85
		System	Chargeless	m	40					
Power supply	Phase / Frequency / Voltage			Hz / V	1~/50/220-240			3N~/50 / 380-415		

*Note: blue cells contain preliminary data

(1) EER/COP according to Eurovent 2012, for use outside EU only
(2) 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.

Sky Air Advance-serie
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

FUA-A

RZAG100-140MV1/MY1

BRC1E53A-B-C BRC7CB58

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
Power input	Cooling	Nom.		kW	-	-	-	-	-
	Heating	Nom.		kW	-	-	-	-	-
Seasonal efficiency (according to EN14825)	Cooling	Energy efficiency class			A++	A+	-	A+	-
		Pdesign		kW	-	-	-	-	-
		SEER			6.16	5.83	-	5.83	-
		Annual energy consumption		kWh	-	-	-	-	-
	Heating (Average climate)	Energy efficiency class			A+	A+	-	A+	-
		Pdesign		kW	-	-	-	-	-
		SCOP/A			3.90	4.01	-	4.01	-
		Annual energy consumption		kWh	-	-	-	-	-
Nominal efficiency	EER				3.37	3.37	2.70	3.37	2.70
	COP				3.79	3.65	3.48	3.65	3.48
	Annual energy consumption			kWh	-	-	-	-	-
	Energy labeling Directive	Cooling/Heating			-	-	-	-	-

Indoor unit				FUA	71A	100A	125A	100A	125A
Dimensions	Unit	HeightxWidthxDepth		mm	198x950x950				
Weight	Unit			kg	25	26			
Air filter	Type				Resin net with mold resistance				
Fan - Air flow rate	Cooling	High/Low		m^3/min	23/16	31/20	32.5/20.5	31/20	32.5/20.5
	Heating	High/Low		m^3/min	23/16	31/20	32.5/20.5	31/20	32.5/20.5
Sound power level	Cooling			dBA	59	64	65	64	65
	Heating			dBA	59	64	65	64	65
Sound pressure level	Cooling	High/Low		dBA	41/35	46/39	47/40	46/39	47/40
	Heating	High/Low		dBA	41/35	46/39	47/40	46/39	47/40
Refrigerant	Type				R-32 / R-410A				
Control systems	Infrared remote control				BRC7C58				
	Wired remote control				BRC1D52 / BRC1E53A / BRC1E53B / BRC1E53C				
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50/60 / 220-240/220				

Outdoor unit				RZASG	71MV1	100MV1	125MV1	100MY1	125MY1
Dimensions	Unit	HeightxWidthxDepth		mm	770x900x320	990x940x320	990x940x320	990x940x320	990x940x320
Weight	Unit			kg	67	73	74	74	74
Sound power level	Cooling			dBA	65	69	71	69	71
Sound pressure level	Cooling	Nom.		dBA	49	53	54	53	54
	Heating	Nom.		dBA	51	57	58	57	58
Operation range	Cooling		Min.~Max.	°CDB	-15~46				
	Heating		Min.~Max.	°CWB	-15~15,5				
Refrigerant	Type				R-32				
	Charge			kg	2,45	2,6	2,6	2,6	2,6
				TCO_2eq	1,65	1,76	1,76	1,76	1,76
	GWP				675				
Piping connections	Piping length	OU - IU	Max.	m	50				
		System	Chargeless	m	30				
Power supply	Phase / Frequency / Voltage			Hz / V	1~/50/220-240			3N~/50 / 380-415	

*Note: blue cells contain preliminary data

(1) EER/COP according to Eurovent 2012, for use outside EU only
(2) 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.

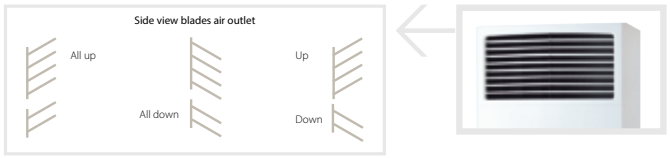
Sky Air Alpha-series
BLUEVOLUTION

Floor standing unit

For commercial spaces with high ceilings

Combination with Sky Air Alpha-series ensures best in class quality, highest efficiency and performance

- Unified range for R-32 and R-410A simplifying stock
- Ideal solution for commercial and busy environments
- 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 BRC1E52)
- No optional adapter needed for DIII-connection, link your unit into the wider building management system.



Efficiency data				FVA + RZAG	71A + 71MV1	100A + 100MV1	125A + 125MV1	140A + 140MV1	71A + 71MY1	100A + 100MY1	125A + 125MY1	140A + 140MY1
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
Power input	Cooling	Nom.		kW	-	-	-	-	-	-	-	-
	Heating	Nom.		kW	-	-	-	-	-	-	-	-
Seasonal efficiency (according to EN14825)	Cooling	Energy efficiency class			A++	A+	-	-	A++	A+	-	-
		Pdesign		kW	-	-	-	-	-	-	-	-
		SEER			6.81	5.89	-	-	6.81	5.89	-	-
		Annual energy consumption		kWh	-	-	-	-	-	-	-	-
	Heating (Average climate)	Energy efficiency class			A+	A+	-	-	A+	A+	-	-
		Pdesign		kW	-	-	-	-	-	-	-	-
		SCOP/A			4.05	4.20	-	-	4.05	4.20	-	-
		Annual energy consumption		kWh	-	-	-	-	-	-	-	-
Nominal efficiency	EER				3.42	4.00	3.27	3.37	3.42	4.00	3.27	3.37
	COP				3.82	4.15	3.70	3.61	3.82	4.15	3.70	3.61
	Annual energy consumption			kWh	-	-	-	-	-	-	-	-
	Energy labeling Directive	Cooling/Heating			-	-	-	-	-	-	-	-

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	39	47			39	47		
Air filter	Type				Resin net with mold resistance							
Fan - Air flow rate	Cooling	High/Low		m^3/min	18/14	28/22	28/24	30/26	18/14	28/22	28/24	30/26
	Heating	High/Low		m^3/min	18/14	28/22	28/24	30/26	18/14	28/22	28/24	30/26
Sound power level	Cooling			dBA	55	62	63	65	55	62	63	65
	Heating			dBA	55	62	63	65	55	62	63	65
Sound pressure level	Cooling	High/Low		dBA	43/38	50/44	51/46	53/48	43/38	50/44	51/46	53/48
	Heating	High/Low		dBA	43/38	50/44	51/46	53/48	43/38	50/44	51/46	53/48
Refrigerant	Type				R-32 / R-410A							
Control systems	Wired remote control				BRC1D52 / BRC1E53A / BRC1E53B / BRC1E53C							
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50/60 / 220-240/220							

Outdoor unit				RZAG	71MV1	100MV1	125MV1	140MV1	71MY1	100MY1	125MY1	140MY1
Dimensions	Unit	HeightxWidthxDepth		mm	990x940x320	1,430x940x320	1,430x940x320	1,430x940x320	990x940x320	1,430x940x320	1,430x940x320	1,430x940x320
Weight	Unit			kg	71	93	93	93	72	93	93	93
Sound power level	Cooling			dBA	64	66	69	70	65	66	69	70
Sound pressure level	Cooling	Nom.		dBA	46	47	50	51	46	47	50	51
	Heating	Nom.		dBA	49	51	52	52	49	51	52	52
Operation range	Cooling		Min.~Max.	°CDB	-20~52							
	Heating		Min.~Max.	°CWB	-20~18							
Refrigerant	Type				R-32							
	Charge			kg	2,95	3,75	3,75	3,75	2,95	3,75	3,75	3,75
				TCO_2eq	1,99	2,53	2,53	2,53	1,99	2,53	2,53	2,53
	GWP				675							
Piping connections	Piping length	OU - IU	Max.	m	55	85	85	85	55	85	85	85
		System	Chargeless	m	40							
Power supply	Phase / Frequency / Voltage			Hz / V	1~/50/220-240				3N~/50 / 380-415			

*Note: blue cells contain preliminary data

(1) EER/COP according to Eurovent 2012, for use outside EU only

(2) 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.

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

FVA71A

RZAG100-140MV1/MY1

BRC1E53A-B-C

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
Power input	Cooling	Nom.		kW	-	-	-	-	-	-	-
	Heating	Nom.		kW	-	-	-	-	-	-	-
Seasonal efficiency (according to EN14825)	Cooling	Energy efficiency class			A+	A+	-	-	A+	-	-
		Pdesign		kW	-	-	-	-	-	-	-
		SEER			5.83	5.72	-	-	5.72	-	-
		Annual energy consumption		kWh	-	-		-	-		-
	Heating (Average climate)	Energy efficiency class			A	A+	-	-	A+	-	-
		Pdesign		kW	-	-	-	-	-	-	-
		SCOP/A			3.86	4.01	-	-	4.01	-	-
		Annual energy consumption		kWh	-	-	-	-	-	-	-
Nominal efficiency	EER				3.21	3.37	2.81	3.16	3.37	2.81	3.16
	COP				3.69	3.65	3.47	3.41	3.65	3.47	3.41
	Annual energy consumption			kWh	-	-	-	-	-	-	-
	Energy labeling Directive	Cooling/Heating			-	-	-	-	-	-	-

Indoor unit				FVA	71A	100A	125A	140A	100A	125A	140A
Dimensions	Unit	HeightxWidthxDepth		mm	1,850x600x270	1,850x600x350					
Weight	Unit			kg	39	47					
Air filter	Type				Resin net with mold resistance						
Fan - Air flow rate	Cooling	High/Low		m^3/min	18/14	28/22	28/24	30/26	28/22	28/24	30/26
	Heating	High/Low		m^3/min	18/14	28/22	28/24	30/26	28/22	28/24	30/26
Sound power level	Cooling			dBA	55	62	63	65	62	63	65
	Heating			dBA	55	62	63	65	62	63	65
Sound pressure level	Cooling	High/Low		dBA	43/38	50/44	51/46	53/48	50/44	51/46	53/48
	Heating	High/Low		dBA	43/38	50/44	51/46	53/48	50/44	51/46	53/48
Refrigerant	Type				R-32 / R-410A						
Control systems	Wired remote control				BRC1D52 / BRC1E53A / BRC1E53B /BRC1E53AC						
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	990x940x320	990x940x320	990x940x320	990x940x320	990x940x320
Weight	Unit			kg	67	73	74	81	74	74	81
Sound power level	Cooling			dBA	65	69	71	72	69	71	72
Sound pressure level	Cooling	Nom.		dBA	49	53	54	55	53	54	55
	Heating	Nom.		dBA	51	57	58	59	57	58	59
Operation range	Cooling		Min.~Max.	°CDB	-15~46						
	Heating		Min.~Max.	°CWB	-15~15,5						
Refrigerant	Type				R-32						
	Charge			kg	2,45	2,6	2,6	2,9	2,6	2,6	2,9
				TCO_2eq	1,65	1,76	1,76	1,96	1,76	1,76	1,96
	GWP				675						
Piping connections	Piping length	OU - IU	Max.	m	50						
		System	Chargeless	m	30						
Power supply	Phase / Frequency / Voltage			Hz / V	1~/50/220-240				3N~/50 / 380-415		

*Note: blue cells contain preliminary data

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(2) 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.

BLUEVOLUTION

Concealed floor standing unit

Designed to be concealed in walls

Combination with split outdoor units is ideal for small retail, offices or residential applications

- Unified range for R-32 and R-410A simplifying stock
- Ideal for installation in offices, hotels and residential applications
- Blends unobtrusively with any interior décor: only the suction and discharge grills are visible
- Its low height (620 mm) enables the unit to fit perfectly beneath a window
- Requires very little installation space as the depth is only 200mm
- High ESP allows flexible installation

FNQ-A

RXM35M9

BRC1E53A-B-C BRC4C65

Efficiency data				FNA + RXM	25A + 25M9	35A + 35M9	50A + 50M9	60A + 60M9
Cooling capacity	Nom.			kW	2.60	3.40	5.00	6.00
Heating capacity	Nom.			kW	3.20	4.00	5.80	7.00
Power input	Cooling	Nom.		kW	-	-	-	-
	Heating	Nom.		kW	-	-	-	-
Seasonal efficiency (according to EN14825)	Cooling	Energy efficiency class			A+			A
		Pdesign		kW	2.60	3.40	5.00	6.00
		SEER			5.68	5.70	5.77	5.56
		Annual energy consumption		kWh	-	-	-	-
	Heating (Average climate)	Energy efficiency class			A+			
		Pdesign		kW	2.80	2.90	4.00	4.60
		SCOP/A			4.24	4.05	4.09	4.16
		Annual energy consumption		kWh	-	-	-	-
Nominal efficiency	EER				3.80	3.09	3.38	2.70
	COP				4.00	3.48	3.34	3.11
	Annual energy consumption			kWh	-	-	-	-
	Energy labeling Directive	Cooling/Heating			-	-	-	-

Indoor unit				FNA	25A	35A	50A	60A
Dimensions	Unit	HeightxWidthxDepth		mm	620 / 720(2)x750x200		620 / 720(2)x1,150x200	
Weight	Unit			kg	23		30	
Air filter	Type				Resin net with mold resistance			
Fan - Air flow rate	Cooling	High/Low		m^3/min	8.7/7.3		16.0/13.5	
	Heating	High/Low		m^3/min	8.7/7.3		16.0/13.5	
Fan - External static pressure	High/Nom./Maximum available/High			Pa	48/30/-		49/40/-	
Sound power level	Cooling			dBA	53		56	
Sound pressure level	Cooling	High/Low		dBA	33/28		36/30	
	Heating	High/Low		dBA	33/28		36/30	
Refrigerant	Type				R-32 / R-410A			
Control systems	Infrared remote control				BRC4C65			
	Wired remote control				BRC1D52 / BRC1E53A / BRC1E53B / BRC1E53C			
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50/60 / 220-240/220			

Outdoor unit				RXM	25M9	35M9	50M9	60M9
Dimensions	Unit	HeightxWidthxDepth		mm	550x765x285			
Weight	Unit			kg	32		44	
Sound power level	Cooling			dBA	59	61	63	
	Heating			dBA	59	61	62	63
Sound pressure level	Cooling	High/Low		dBA	46/-	49/-	48/44	
	Heating	High/Low		dBA	47/-	49/-	49/45	
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~46			
	Heating	Ambient	Min.~Max.	°CWB	-15~18			
Refrigerant	Type				R-32			
	Charge			kg	0.76		1.4	1.45
				TCO_2eq	0.5		0.9	1.0
	GWP				675			
Piping connections	Liquid	OD		mm	6.35			
	Gas	OD		mm	9.5			
	Piping length	OU - IU	Max.	m	30		30	
		System	Chargeless	m	10			
	Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 10m)			
	Level difference	IU - OU	Max.	m	20		20	
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240			
Current - 50Hz	Maximum fuse amps (MFA)			A	10		15	

*Note: blue cells contain preliminary data

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(2) Including installation legs (3) 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.

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BLUEVOLUTION

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