

Our mission

Achieve  
the lowest  
environmental  
impact



*SkyAir* A-series

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

**BLUEVOLUTION** A<sup>++</sup>



The new Sky Air with R-32 delivers future proofed, best-in-class climate control.

# Discover the **SkyAir** *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

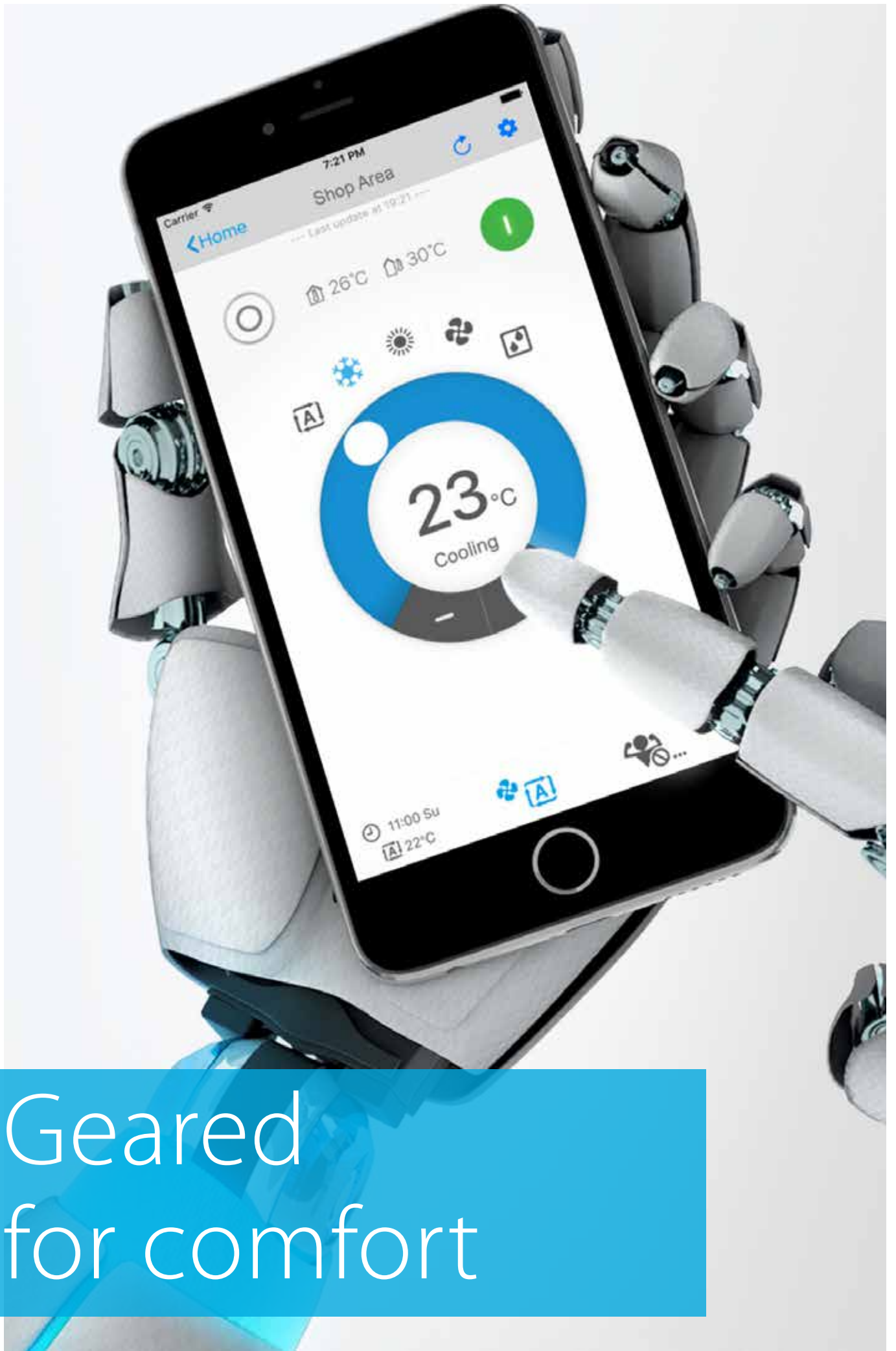
## Daikin at the heart

- ✓ Unique Daikin technologies
- ✓ Exceptionally low running costs, SEER up to 8.02
- ✓ Low environmental impact, R-32 refrigerant GWP is 68% lower than R-410A
- ✓ Equipped with tested and trusted Daikin technology

## **BLUEEVOLUTION**

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



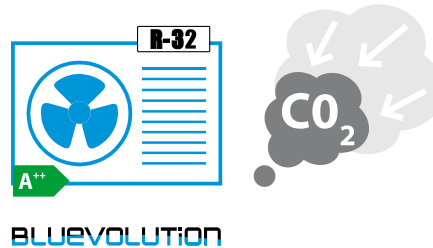
Geared  
for comfort



# 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 8.02) in the market
- › Does not require yearly refrigerant containment checks, which reduces maintenance costs
- › 16% less 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 customer's needs.

- › Eliminates cold drafts
- › Weather dependent setting
- › Quiet outdoor units

Unique and most extended indoor unit range on the market

- › Top flexibility
- › Up to 50 different indoor unit options
- › Intelligent sensors
- › Auto cleaning options
- › Quiet units



## ✓ App Control

Whether you're a small or large commercial business, our product range provides 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

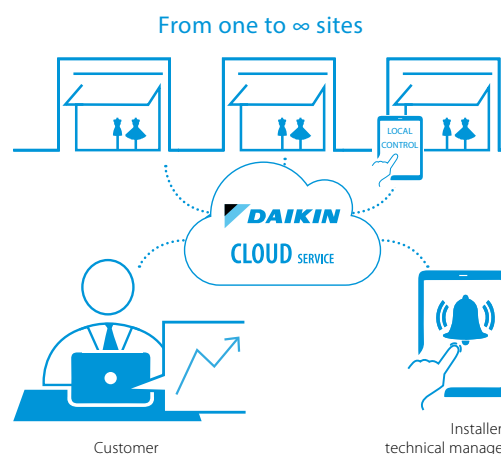


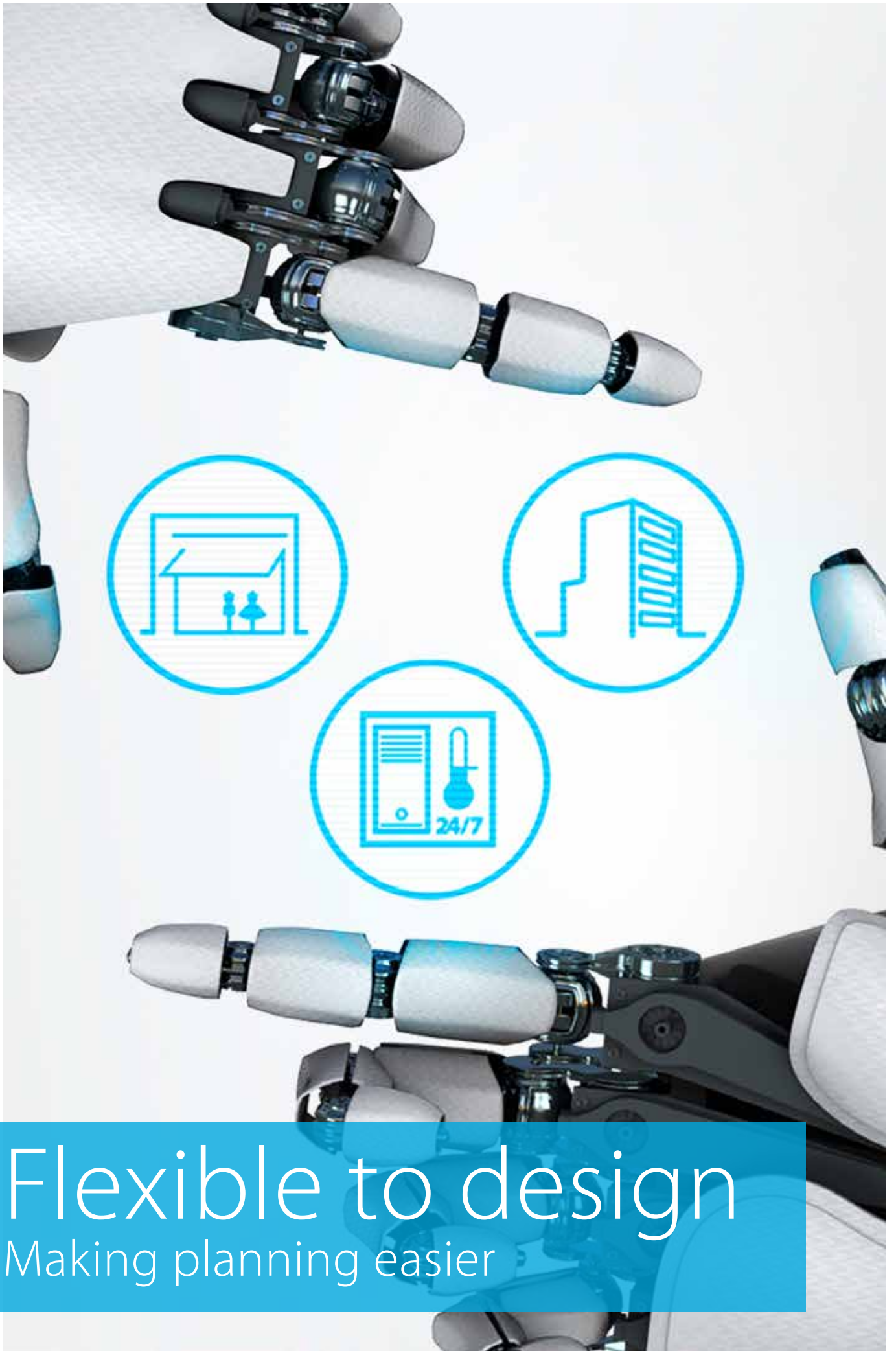
- › IFTTT is a solution that connects compatible 3rd party products and services (smart meters, lights, thermostats, ...), so they work best for you.

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





# Flexible to design

Making planning easier

# The new Sky Air A-series, built for any Sky Air application

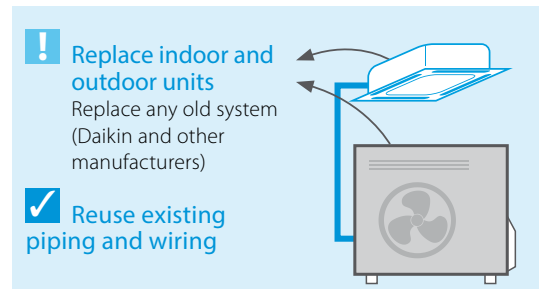
- ✓ Lighter and more compact units for easy installation. Unique single fan range up to 14 kW



- ✓ New replacement technology 

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

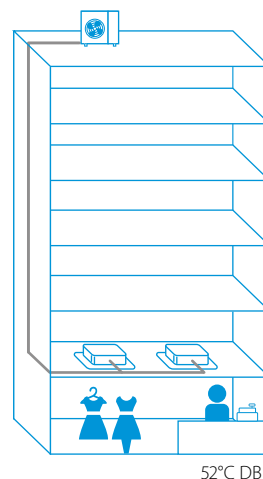
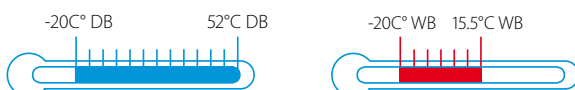
- › Reduces any potential disruption and results in a system that significantly reduces energy consumption and bills for customers
- › Hepta filtration ensures reliable operation without the need for pipe cleaning
- › Cost and time effective solution, as the indoor and outdoor units only need be to changed,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

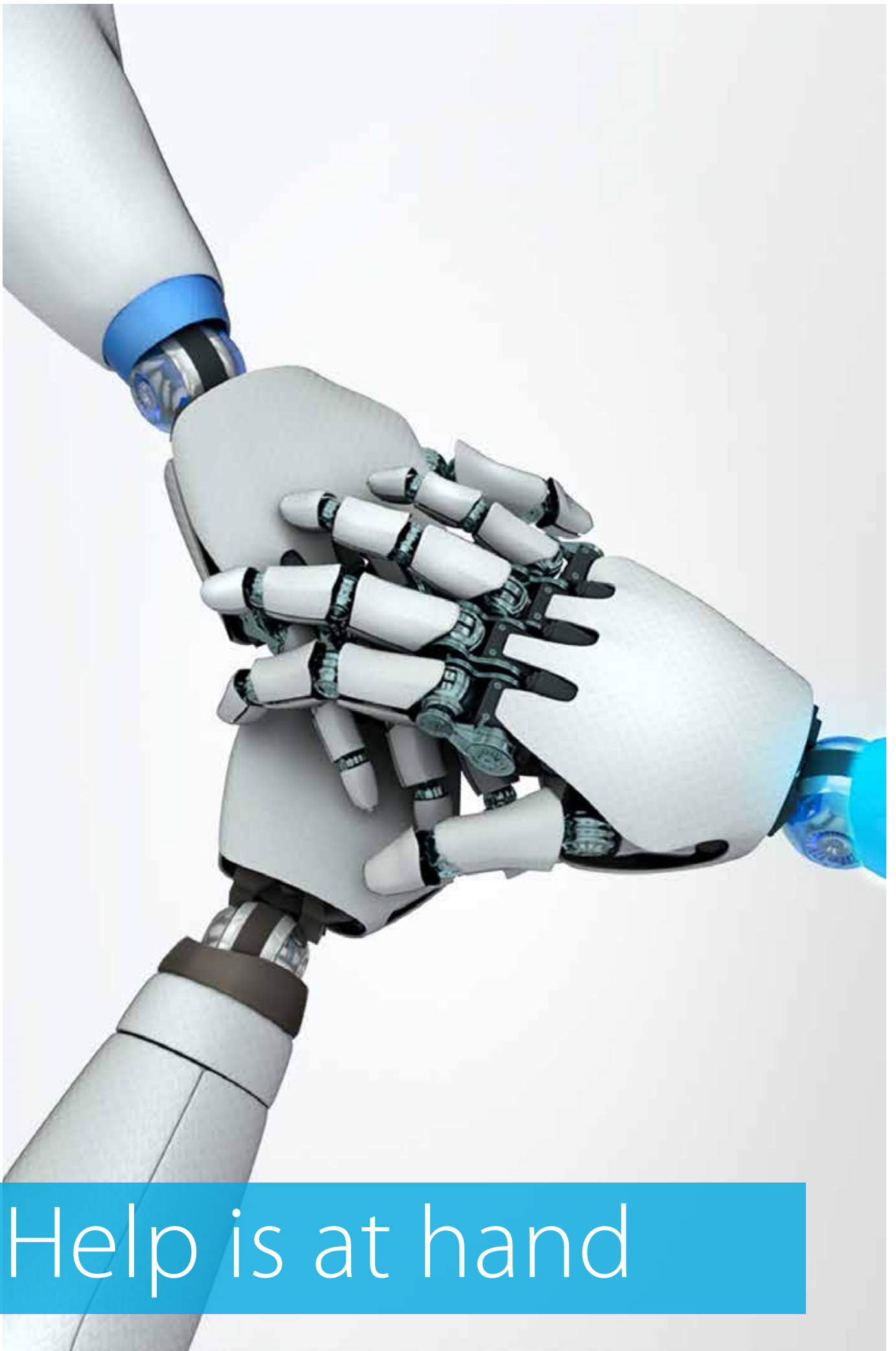


- ✓ Increased piping length up to 85m

- ✓ 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

› **New refrigerant passes**

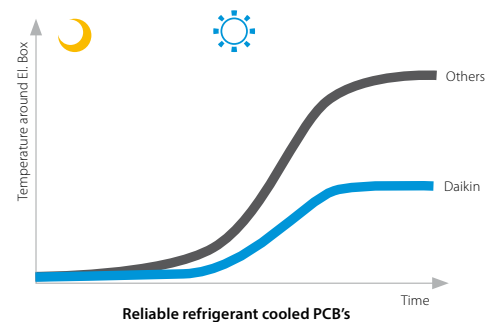
Lower part of the outdoor heat exchanger and drain holes are kept completely open and free of ice allowing ice water to evacuate perfectly, eliminating all risk of ice build-up.



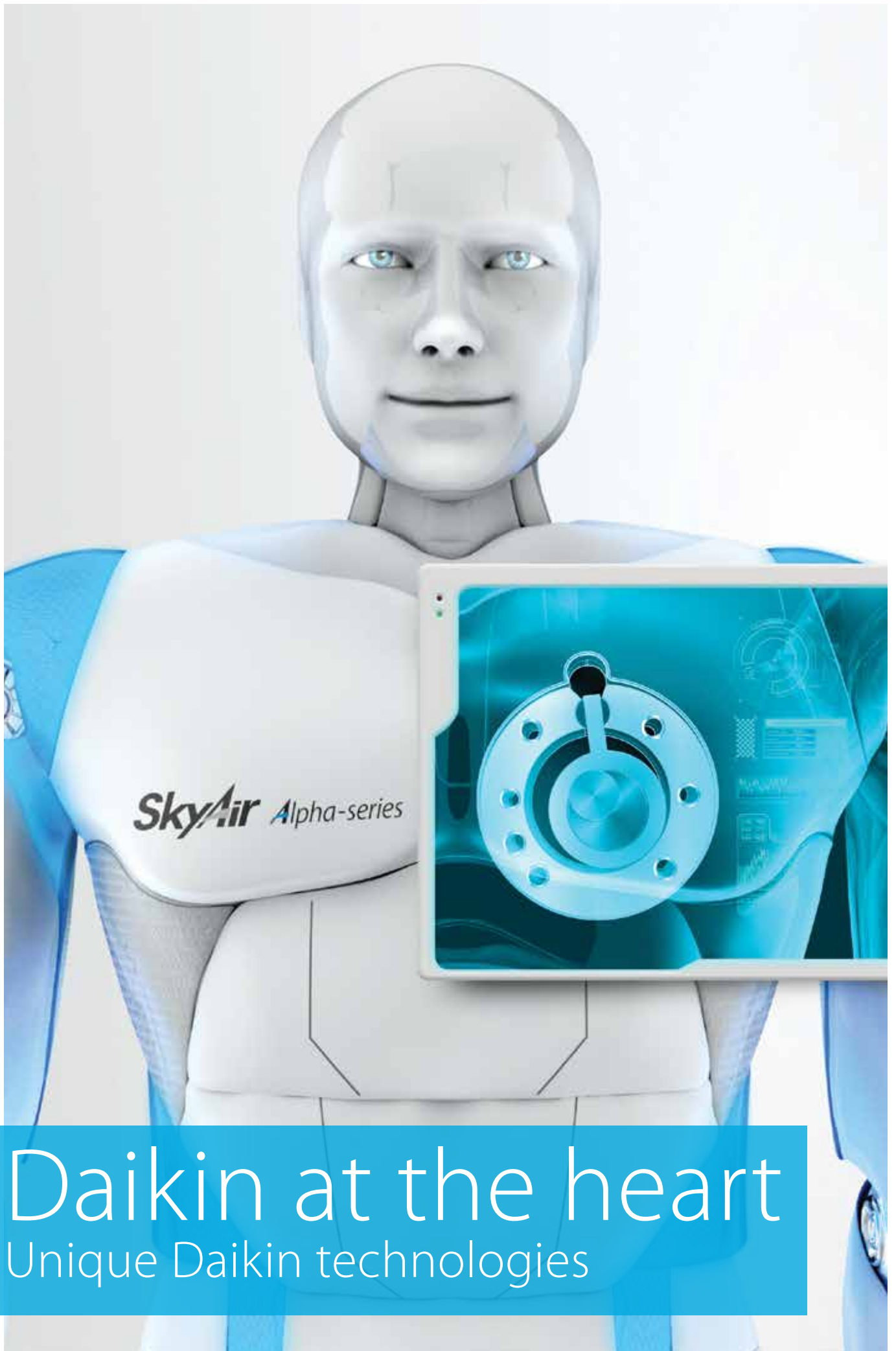
bottom plate refrigerant pass

› **Refrigerant cooled PCB's**

Reliable and stable cooling, independent from outdoor conditions



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



# Daikin at the heart

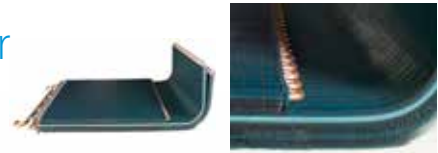
Unique Daikin technologies

# A future-proof solution,

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

## 3-row heat exchanger

- › Unique 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 or friction
- › No refrigerant leakages
- › No temperature rise because of leakage
- › High compressor efficiencies
- › Increased system life span

## Bottom plate and heat exchanger refrigerant pass



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



# The three new leaders



## Outdoor units products overview

Pair, twin, triple & double twin application

BLUEEVOLUTION

**R-32**











**SkyAir A-series**

Capacity clas

System	Type	Model	Availability	Product name	PG	71	100	125	140	
Air cooled	Heat pump	<b>SkyAir Alpha-series</b> - 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	<b>R-32</b> 	June '17	RZAG-MV1	15				
					RZAG-MY1	15				
		<b>SkyAir Advance-series</b> - 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	<b>R-32</b> 	July '17	RZASG-MV1	16				
					RZASG-MY1	16				
		<b>SkyAir Active-series</b> - 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	<b>R-32</b> 	July '17	AZAS-MV1	17				
					AZAS-MY1	17				



## Main benefit overview

		<i>SkyAir</i> Alpha-series	<i>SkyAir</i> Advance-series	<i>SkyAir</i> 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	●	●	●



# 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		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				P	4	3	2			P					
RZAG140MV1	RZAG140MY1	2		P	4	3	2			P	4	3	2		4	3	2	4	3	2	2			P	4	3	2			P	2	2			4	3	2							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	140	35	50	60	71	100	125	140	35	50	60	71	100	125	140									
RZAG71MV1	RZAG71MY1		P	3	2			P									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	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	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	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](http://my.daikin.eu)



RZAG-MV1



RZAG-MY1

Outdoor unit		RZAG	71MV1	100MV1	125MV1	140MV1	71MY1	100MY1	125MY1	140MY1		
Dimensions	Unit	mm	990x940x320		1,430x940x320		990x940x320		1,430x940x320			
Weight	Unit	kg	70		92		70		92			
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		
	Heating	Nom.	dBA	49	51		52	49	51	52		
Operation range	Cooling	Ambient	Min.~Max.	-20~-52								
	Heating	Ambient	Min.~Max.	-20~-18.0								
Refrigerant	Type/GWP		R-32/675									
	Charge	kg/TCO2Eq	2.95/1.99	3.75/2.53			2.95/1.99		3.75/2.53			
Piping connections	Liquid/Gas	mm	9,52/15.9									
	Piping length	OU - IU	Max.	m	55	85			m	55	85	
		System	Equivalent	m	75	100			m	75	100	
		Chargeless	m	40								
		Additional refrigerant charge	kg/m	See installation manual								
	Level difference	IU - OU	Max.	30.0								
Power supply	Phase/Frequency/Voltage	Hz/V	1~/50/220-240				3~/50/380-415					
Current - 50Hz	Maximum fuse amps (MFA)	A	20	32			16					

# 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

capacity class		FCAG-A						FFA-A			FDXM-F3			FBA-A								
		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							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

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

More details and final information can be found our [my.daikin.eu](http://my.daikin.eu)



RZASG-MV1



RZASG-MY1

Outdoor unit		RZASG		71MV1	100MV1	125MV1	140MV1	100MY1	125MY1	140MY1	
Dimensions	Unit	HeightxWidthxDepth	mm	770x900x320			990x940x320				
Weight	Unit		kg	60	70		78	70		77	
Sound power level	Cooling		dB(A)	65	70	71	73	70	71	73	
Sound pressure level	Cooling	Nom.	dB(A)	46	53		54	53		54	
	Heating	Nom.	dB(A)	47	57						
Operation range	Cooling	Ambient	Min.~Max.	-15~46							
	Heating	Ambient	Min.~Max.	-15~15.5							
Refrigerant	Type/GWP			R-32/675							
	Charge		kg/TCO2Eq	2.45/1.65	2.60/1.76		2.90/1.96	2.60/1.76		2.90/1.96	
Piping connections	Liquid/Gas		mm	9,52/15.9							
	Piping length	OU - IU	Max.	50							
		System	Equivalent	70							
			Chargeless	30							
			Additional refrigerant charge	kg/m	See installation manual						
	Level difference	IU - OU	Max.	30.0							
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/220-240				3~/50/380-415			
Current - 50Hz	Maximum fuse amps (MFA)		A	20	25	32	16				



# 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

Capacity class	FCAG-A				FBA-A				FAA-A			
	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](http://my.daikin.eu)















AZAS-MV1



AZAS-MY1

Outdoor unit		AZAS	71M2V1B	100M7V1B	125M7V1B	140M7V1B	100M7Y1B	125M7Y1B	140M7Y1B
Dimensions	Unit	mm	770x900x320	990x940x320					
Weight	Unit	kg	60	70	71	78	70	71	77
Sound power level	Cooling	dBA	65	70	71	73	70	71	73
	Heating	dBA	46	53		54	53		54
Sound pressure level	Cooling	dBA	46	53		54	53		54
	Heating	dBA	47			57			
Operation range	Cooling	°CDB	-5~46						
	Heating	°CWB	-15~15.5						
Refrigerant	Type/GWP		R-32/675						
	Charge	kg/TCO2Eq	2.45/1.65	2.60/1.76	2.90/1.96	2.60/1.76	2.90/1.96		
Piping connections	Liquid/Gas	mm	9,52/15.9						
	Piping length	m	30						
	OU - IU	m	30						
	System Equivalent	m	50						
	Chargeless	m	30						
Additional refrigerant charge	kg/m	See installation manual							
	Level difference	m	30.0						
Power supply	Phase/Frequency/Voltage	Hz/V	1~/50/220-240			3~/50/380-415			
Current - 50Hz	Maximum fuse amps (MFA)	A	20	25	32	16			

# Product overview



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

Indoor units

Capacity class










	25	35	50	60	71	100	125	140	Sky Air Alpha-series	Sky Air Advance-series	Sky Air Active-series
<p><b>360° air discharge for the highest efficiency and comfort</b></p> <ul style="list-style-type: none"> <li>- High COP cassette ensures top performance for commercial applications</li> <li>- Auto cleaning function ensures high efficiency</li> <li>- Intelligent sensors save energy and maximize comfort</li> <li>- Flexibility to suit every room layout</li> </ul> 					•	•	•	•	✓		
<p><b>360° air discharge for the highest efficiency and comfort</b></p> <ul style="list-style-type: none"> <li>- Auto cleaning function ensures high efficiency</li> <li>- Intelligent sensors save energy and maximize comfort</li> <li>- Flexibility to suit every room layout</li> <li>- Lowest installation height in the market</li> <li>- 27~29 dB(A) on low fan speed</li> </ul> 		•	•	•	•	•	•	•	✓	✓	✓
<p><b>Unique design in the market that integrates fully flat into the ceiling</b></p> <ul style="list-style-type: none"> <li>- Perfect integration in standard architectural ceiling tiles</li> <li>- Blend of iconic design and engineering excellence with a white or silver and white finish</li> <li>- Intelligent sensors save energy and maximize comfort</li> <li>- Flexibility to suit every room layout without changing the location of the unit!</li> <li>- Quietest 600 x 600 cassette on the market</li> </ul>	•	•	•	•					✓	✓	
<p><b>Slim design for flexible installation</b></p> <ul style="list-style-type: none"> <li>- Compact dimensions enable installation in narrow ceiling voids</li> <li>- Medium external static pressure up to 40Pa</li> <li>- Small capacity unit developed for small of well insulated rooms</li> <li>- Auto cleaning function ensures high efficiency and reliability</li> </ul>	•	•	•	•					✓	✓	
<p><b>Slimmest yet most powerfull medium static pressure unit on the market!</b></p> <ul style="list-style-type: none"> <li>- Slimmest unit in class, only 245mm</li> <li>- Low operating sound level</li> <li>- Medium external static pressure up to 150Pa facilitates using flexible ducts of varying lengths</li> <li>- Automatic air flow adjustment function measures the air volume and static pressure and adjusts it towards the nominal air flow, guaranteeing comfort</li> </ul>		•	•	•	•	•	•	•	✓	✓	✓
<p><b>ESP up to 200Pa, ideal for large sized buildings</b></p> <ul style="list-style-type: none"> <li>- Discretely concealed in the ceiling: only the grilles are visible</li> <li>- Possibility to change ESP via wired remote control allows optimisation of the supply air volume</li> <li>- Flexible installation as the air suction direction can be altered from rear to bottom suction</li> </ul>							•		✓	✓	
<p><b>For rooms with no false ceilings nor free floor space</b></p> <ul style="list-style-type: none"> <li>- The air is comfortably spread up- and downwards thanks to 5 different discharge angles</li> <li>- Easy maintenance as this can be done from the front of the unit</li> <li>- Easy to install: 100 class is 35% lighter than previous model</li> <li>- Flexible to install: pipe connection can be bottom, left or right</li> </ul>					•	•			✓	✓	✓
<p><b>For wide rooms with no false ceilings nor free floor space</b></p> <ul style="list-style-type: none"> <li>- Ideal for comfortable air flow in wide rooms thanks to Coanda effect</li> <li>- Even rooms with ceilings up to 3.8m can be heated up or cooled down very easily!</li> <li>- Can be mounted in corners or narrow spaces without any problem</li> </ul>		•	•	•	•	•	•	•	✓	✓	
<p><b>Unique Daikin unit for high rooms with no false ceilings nor free floor space</b></p> <ul style="list-style-type: none"> <li>- Even rooms with ceilings up to 3.5m can be heated up or cooled down very easily!</li> <li>- Flexibility to suit every room layout without changing the location of the unit!</li> <li>- Optimum comfort guaranteed with automatic air flow adjustment to the required load</li> <li>- The air is comfortably spread up- and downwards thanks to 5 different discharge angles</li> </ul>					•	•	•		✓	✓	
<p><b>For spaces with high ceilings</b></p> <ul style="list-style-type: none"> <li>- Ideal solution for commercial spaces with no or narrow false ceilings</li> <li>- Even rooms with very high ceilings can be heated up or cooled down very easily!</li> <li>- Guarantees a stable temperature</li> <li>- Vertical and horizontal outblow</li> </ul>					•	•	•	•	✓	✓	
<p><b>Designed to be concealed in walls, only grilles remain visible</b></p> <ul style="list-style-type: none"> <li>- Slimmest unit on the market with a depth of only 200mm!</li> <li>- Both window sill or ducted installation are possible thanks to sufficient ESP</li> <li>- Whisper quiet operation allows installation in any location</li> </ul>	•	•	•	•					✓	✓	

**NEW**  
auto  
cleaning  
option

**NEW**  
Multi  
zoning  
option

**NEW**  
Multi  
zoning  
option

Benefits overview **SkyAir**

We care		Seasonal efficiency - Smart use of energy	Seasonal efficiency gives a more realistic indication on how efficient air conditioners operate over an entire heating or cooling season.
		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 neighbourhood.
		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 <b>NEW</b>	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. 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
•	•	•		•	•	•	•	•	•	•
•	•	•		•	•	•	•	•	•	•
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•	•	•	•	•	•	•	•	•	•	•
•	•		• <b>NEW</b>							
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•	•	•	•	•	•	•	•	•	•	•
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
			• <b>NEW</b>	• <b>NEW</b>						
•	•	•		•			•	•	•	•
•	•	•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•	•	•
standard	standard	standard		standard	standard	optional	standard	optional		
•	•	•	•	•	•	•	•	•		•
•	•	•	•	•		•				•



# FCAHG-G/FCAG-A Auto cleaning cassette

## Why choose a round flow cassette?

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



## 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

## Auto-cleaning cassette for maintaining the optimum store atmosphere

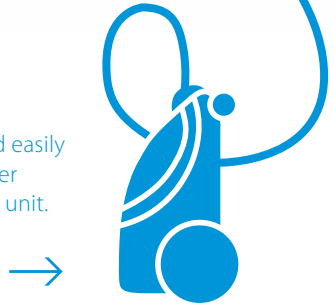


Air distribution with a clean filter



Air distribution with a dusty filter

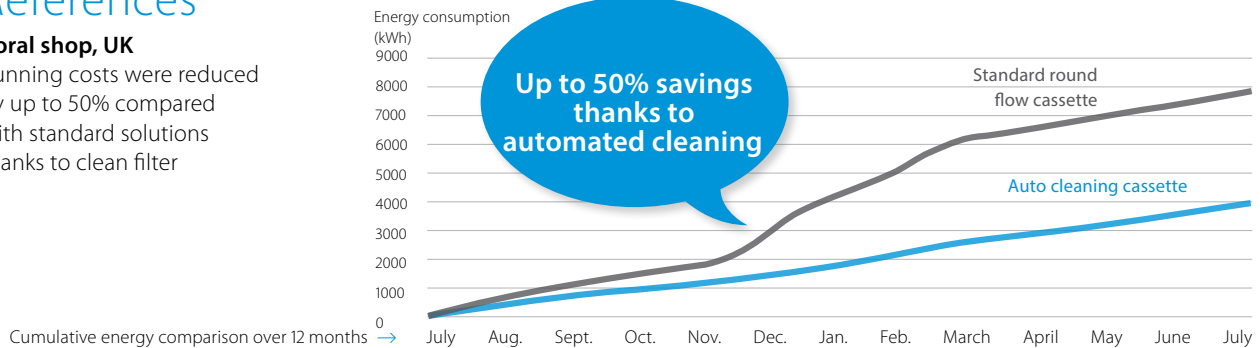
Dust can be removed easily with a vacuum cleaner without opening the unit.



## References

### Coral shop, UK

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

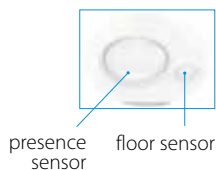


### 360° air discharge for improved comfort

- › Industry-first and proven design.

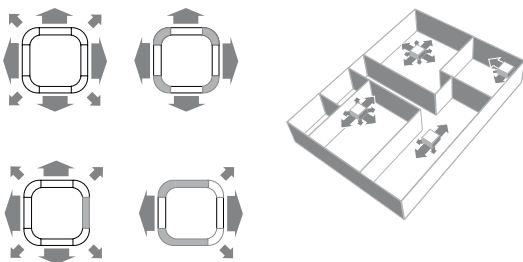
### Intelligent sensors improve efficiency and comfort even more

- › 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](https://www.daikin.eu/en_us/product-group/round-flow-cassette.html)



[www.youtube.com/DaikinEurope](https://www.youtube.com/DaikinEurope)







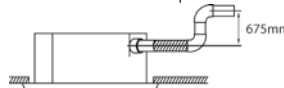
# High COP, round flow cassette

## 360° air discharge for optimum efficiency and comfort

- > High COP cassette ensures top performance, great savings in energy consumption and a comfortable environment for commercial applications
- > Unified indoor unit range for R-32 and R-410A
- > Combining with R-32 Bluevolution technology, reduces environmental impact with 68% compared to R-410A, leads directly to lower energy consumption thanks to its high energy efficiency and has up to lower 16% refrigerant charge
- > 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.
- > 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
- > 5 different fan speeds available for maximum comfort
- > Reduced energy consumption thanks to specially developed small tube heat exchanger, DC fan motor and drain pump
- > Optional fresh air intake
- > Branch duct discharge allows to optimize air distribution in irregular shaped rooms or to supply air to small adjacent rooms



> Standard drain pump with 675mm lift increases flexibility and installation speed



**NEW** Online controller connection

Efficiency data		FCAHG + RZAG	71G+71MV1	100G+100MV1	125G+125MV1	140G+140MV1	71G+71MY1	100G+100MY1	125G+125MY1	140G+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	
Seasonal efficiency (according to EN14825)	Cooling	Energy efficiency class	A++				A++				
		Pdesign	kW	6.80	9.50	12.1	13.4	6.80	9.50	12.1	13.4
		SEER		7.72	7.35	8.02	7.93	7.72	7.35	8.02	7.93
	Heating (Average climate)	Annual energy consumption	kWh	308	452	905	1,014	308	452	905	1,014
		Energy efficiency class		A++				A++			
		Pdesign	kW	4.70		9.52		4.70		9.52	
SCOP/A		4.61	4.81	4.53	4.44	4.61	4.81	4.53	4.44		
Annual energy consumption	kWh	1,427	2,771	2,942	3,002	1,427	2,771	2,942	3,002		

Indoor unit		FCAHG	71G	100G	125G	140G	71G	100G	125G	140G		
Dimensions	Unit	HeightxWidthxDepth	288x840x840									
Weight	Unit		25									
Air filter	Type		Resin net									
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									
Fan	Air flow rate	Cooling	Low/Medium/High	m <sup>3</sup> /min	12.2/16.7/21.2	19.0/25.7/32.3	19.9/26.7/33.5	21.1/27.3/33.5	12.2/16.7/21.2	19.0/25.7/32.3	19.9/26.7/33.5	21.1/27.3/33.5
		Heating	Low/Medium/High	m <sup>3</sup> /min	12.2/16.7/21.2	19.0/25.7/32.3	19.9/26.7/33.5	21.1/27.3/33.5	12.2/16.7/21.2	19.0/25.7/32.3	19.9/26.7/33.5	21.1/27.3/33.5
Sound power level	Cooling		dB(A)	53		61		53		61		
	Heating		dB(A)	53		61		53		61		
Sound pressure level	Cooling	Low/High	dB(A)	29/36	33/44	35/45	37/45	29/36	33/44	35/45	37/45	
	Heating	Low/High	dB(A)	29/36	33/44	35/45	37/45	29/36	33/44	35/45	37/45	
Control systems	Infrared remote control		BRC7FA532F									
	Wired remote control		BRC1D528 / BRC1E53A7 / BRC1E53B7 / BRC1E53C7									
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	990x940x320				1,430x940x320				
Weight	Unit		70				92				
Sound power level	Cooling		dB(A)	64	66	69	70	65	66	69	70
Sound pressure level	Cooling	Nom.	dB(A)	46	47	50	51	46	47	50	51
	Heating	Nom.	dB(A)	49	51		52	49	51		52
Operation range	Cooling	Ambient	Min.~Max.	-20~-52							
	Heating	Ambient	Min.~Max.	-20~-18.0							
Refrigerant	Type/GWP		R-32/675								
	Charge	kg/CO2Eq	2.95/1.99		3.75/2.53		2.95/1.99		3.75/2.53		
Piping connections	Liquid/Gas		9,52/15.9								
	Piping length	OU - IU	Max.	55				85			
		System	Equivalent	75				100			
		Chargeless		40							
		Additional refrigerant charge	kg/m	See installation manual							
	Level difference	IU - OU	Max.	30.0							
Power supply	Phase/Frequency/Voltage	Hz/V	1~/50/220-240				3~/50/380-415				
Current - 50Hz	Maximum fuse amps (MFA)	A	20		32		16				

(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.

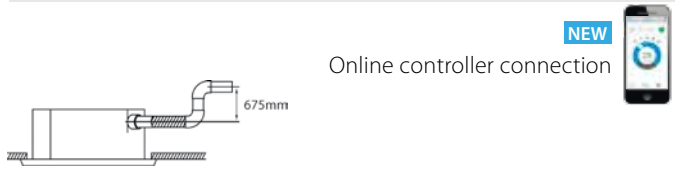




# Round flow cassette

## 360° air discharge for optimum efficiency and comfort

- › Combination with Sky Air Alpha-series ensures best in class quality, highest efficiency and performance
- › Unified indoor unit range for R-32 and R-410A
- › Combining with R-32 Bluevolution technology, reduces environmental impact with 68% compared to R-410A, leads directly to lower energy consumption thanks to its high energy efficiency and has up to lower 16% refrigerant charge
- › 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.
- › Individual flap control: flexibility to suit every room layout without changing the location of the unit!
- › Lowest installation height in the market: 214mm for class 20-63
- › Modern style decoration panel is available in 3 different variations: white (RAL9010) with grey louvers, full white (RAL9010) or auto cleaning panel
- › 5 different fan speeds available for maximum comfort
- › Reduced energy consumption thanks to specially developed small tube heat exchanger, DC fan motor and drain pump
- › Optional fresh air intake
- › Branch duct discharge allows to optimize air distribution in irregular shaped rooms or to supply air to small adjacent rooms
- › Standard drain pump with 675mm lift increases flexibility and installation speed



Efficiency data		FCAG + 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		
Seasonal efficiency (according to EN14825)	Cooling	Energy efficiency class		A++				A++					
		Pdesign	kW	6.80	9.50	12.1	13.4	6.80	9.50	12.1	13.4		
		SEER		6.86	7.14	7.80	7.17	6.86	7.14	7.80	7.17		
	Heating (Average climate)	Annual energy consumption	kWh	347	466	931	1,121	347	466	931	1,121		
		Energy efficiency class		A+		A++		-		-		-	
		Pdesign	kW	4.70	7.80	9.52		4.70	7.80	9.52			
SCOP/A		4.41	4.61	4.34		4.41	4.61	4.34					
Annual energy consumption	kWh	1,492	2,369	3,071		1,492	2,369	3,071					

Indoor unit		FCAG		71A	100A	125A	140A	71A	100A	125A	140A	
Dimensions	Unit	HeightxWidthxD	mm	204x840x840		246x840x840		204x840x840		246x840x840		
Weight	Unit	kg		21		24		21		24		
Air filter	Type	Resin net										
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	HeightxWidthxD	mm	130x950x950 / 130x950x950 / 50x950x950 / 50x950x950								
Weight	kg		10.3 / 10.3 / 5.4 / 5.4									
Fan	Air flow rate	Cooling	Low/Medium/High	m <sup>3</sup> /min	9.3/12.5/15.3	12.4/17.6/22.8	12.4/19.2/26.0		9.3/12.5/15.3	12.4/17.6/22.8	12.4/19.2/26.0	
		Heating	Low/Medium/High	m <sup>3</sup> /min	9.1/12.1/15.0	12.4/17.6/22.8	12.4/19.2/26.0		9.1/12.1/15.0	12.4/17.6/22.8	12.4/19.2/26.0	
Sound power level	Cooling	dBA		51	54	58		51	54	58		
	Heating	dBA		51	54	58		51	54	58		
Sound pressure level	Cooling	Low/High	dBA	28/35	29/37	29/41		28/35	29/37	29/41		
	Heating	Low/High	dBA	28/33	29/37	29/41		28/33	29/37	29/41		
Control systems	Infrared remote control	BRC7FA532F										
	Wired remote control	BRC1D528 / BRC1E53A7 / BRC1E53B7 / BRC1E53C7										
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	HeightxWidthxD	mm	990x940x320		1,430x940x320		990x940x320		1,430x940x320		
Weight	Unit	kg		70		92		78		70		
Sound power level	Cooling	dBA		64	66	69	73	65	66	69	70	
Sound pressure level	Cooling	Nom.	dBA	46	47	50	54	46	47	50	51	
	Heating	Nom.	dBA	49	51	52	57	49	51	52		
Operation range	Cooling	Ambient	Min.~Max.	-20~52			-15~46		-20~52			
	Heating	Ambient	Min.~Max.	-20~18.0			-15~15.5		-20~18.0			
Refrigerant	Type/GWP	R-32/675										
	Charge	kg/TCO2Eq	2.95/1.99	3.75/2.53		2.90/1.96	2.95/1.99	3.75/2.53				
Piping connections	Liquid/Gas	mm		9,52/15.9								
	Piping length	OU - IU	Max.	m	55	85		50	55	85		
		System	Equivalent	m	75	100		70	75	100		
		Chargeless	m	40		30		40				
	Additional refrigerant charge	kg/m	See installation manual									
Level difference	IU - OU	Max.	m	30.0								
Power supply	Phase/Frequency/Voltage	Hz/V		1~/50/220-240				3~/50/380-415				
Current - 50Hz	Maximum fuse amps (MFA)	A		20		32		16				

(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 Advance-series ensures good value for money for all types of commercial applications
- › Unified indoor unit range for R-32 and R-410A
- › Combining with R-32 Bluevolution technology, reduces environmental impact with 68% compared to R-410A, leads directly to lower energy consumption thanks to its high energy efficiency and has up to lower 16% refrigerant charge
- › 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.
- › Individual flap control: flexibility to suit every room layout without changing the location of the unit!
- › Lowest installation height in the market: 214mm for class 20-63
- › Modern style decoration panel is available in 3 different variations: white (RAL9010) with grey louvers, full white (RAL9010) or auto cleaning panel



NEW

Online controller connection



Efficiency data		FCAG + 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	
Seasonal efficiency (according to EN14825)	Cooling	Energy efficiency class		A++							
		Pdesign	kW	6.80	9.50	12.1	13.4	9.50	12.1	13.4	
		SEER		6.47	6.55	5.76	6.53	6.55	5.76	6.53	
	Heating (Average climate)	Annual energy consumption		kWh	368	507	1,261	1,231	507	1,261	1,231
		Energy efficiency class			A	A+	-		A+	-	
		Pdesign	kW	4.50	6.00		7.80		6.00		7.80
SCOP/A		4.00	4.17	4.05	4.31	4.17	4.05	4.31			
Annual energy consumption		kWh		1,575	2,016	2,074	2,534	2,016	2,074	2,534	
Indoor unit		FCAG		71A	100A	125A	140A	100A	125A	140A	
Dimensions	Unit	HeightxWidthxDepth		204x840x840		246x840x840					
Weight	Unit	kg		21		24					
Air filter	Type	Resin net									
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		130x950x950 / 130x950x950 / 50x950x950 / 50x950x950							
	Weight	10.3 / 10.3 / 5.4 / 5.4									
Fan	Air flow rate	Cooling	Low/Medium/High	m³/min	9.3/12.5/15.3	12.4/17.6/22.8	12.4/19.2/26.0		12.4/17.6/22.8	12.4/19.2/26.0	
		Heating	Low/Medium/High	m³/min	9.1/12.1/15.0	12.4/17.6/22.8	12.4/19.2/26.0		12.4/17.6/22.8	12.4/19.2/26.0	
Sound power level	Cooling	dBA		51	54	58		54	58		
	Heating	dBA		51	54	58		54	58		
Sound pressure level	Cooling	Low/High	dBA	28/35	29/37	29/41		29/37	29/41		
	Heating	Low/High	dBA	28/33	29/37	29/41		29/37	29/41		
Control systems	Infrared remote control		BRC7FA532F								
	Wired remote control		BRC1D528 / BRC1E53A7 / BRC1E53B7 / BRC1E53C7								
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		770x900x320		990x940x320					
Weight	Unit	kg		60		70		78		77	
Sound power level	Cooling	dBA		65		70		71		73	
Sound pressure level	Cooling	Nom.	dBA	46		53		54		53	
	Heating	Nom.	dBA	47		57		57		54	
Operation range	Cooling	Ambient	Min.~Max.	°CDB		-15~46					
	Heating	Ambient	Min.~Max.	°CWB		-15~15.5					
Refrigerant	Type/GWP		R-32/675								
	Charge	kg/CO2Eq		2.45/1.65		2.60/1.76		2.90/1.96		2.60/1.76	2.90/1.96
Piping connections	Liquid/Gas		mm		9,52/15.9						
	Piping length	OU - IU	Max.	m		50					
		System	Equivalent	m		70					
			Chargeless	m		30					
	Additional refrigerant charge	kg/m		See installation manual							
	Level difference	IU - OU	Max.	m		30.0					
Power supply	Phase/Frequency/Voltage		Hz/V		1~/50/220-240				3~/50/380-415		
Current - 50Hz	Maximum fuse amps (MFA)		A		20		25		32		16

(1) 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

- › Ideal solution for small businesses and shops
- › Unified indoor unit range for R-32 and R-410A
- › Combining with R-32 Bluevolution technology, reduces environmental impact with 68% compared to R-410A, leads directly to lower energy consumption thanks to its high energy efficiency and has up to lower 16% refrigerant charge
- › 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.
- › Individual flap control: flexibility to suit every room layout without changing the location of the unit!
- › Lowest installation height in the market: 214mm for class 20-63
- › Modern style decoration panel is available in 3 different variations: white (RAL9010) with grey louvers, full white (RAL9010) or auto cleaning panel



NEW

Online controller connection



Efficiency data		FCAG + AZAS		71A + 71M2V1B	100A + 100M7V1B	125A + 125M7V1B	140A + 140M7V1B	100A + 100M7Y1B	125A + 125M7Y1B	140A + 140M7Y1B		
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		
Seasonal efficiency (according to EN14825)	Cooling	Energy efficiency class		A+			-			A+		
		Pdesign	kW	6.80	9.50	12.1	13.0	9.50	12.1	13.0		
		SEER		5.87	5.67	5.40	6.00	5.67	5.40	6.00		
	Heating (Average climate)	Annual energy consumption		kWh	405	586	1,345	1,300	586	1,345	1,300	
		Energy efficiency class			A			-			A	
		Pdesign	kW	4.50	6.00		7.80		6.00		7.80	
SCOP/A		4.00	3.85	3.80	4.31	3.85	3.80	4.31				
Annual energy consumption		kWh	1,575	2,182	2,211	2,534	2,182	2,211	2,534			
Indoor unit		FCAG		71A	100A	125A	140A	100A	125A	140A		
Dimensions	Unit	HeightxWidthxDepth		204x840x840			246x840x840					
Weight	Unit	kg		21			24					
Air filter	Type	Resin net										
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	Unit	HeightxWidthxDepth		130x950x950 / 130x950x950 / 50x950x950 / 50x950x950							
Weight	Unit	kg		10.3/5.4/10.3/5.4								
Fan	Air flow rate	Cooling	Low/Medium/High	m <sup>3</sup> /min	9.3/12.5/15.3	12.4/17.6/22.8	12.4/19.2/26.0		12.4/17.6/22.8	12.4/19.2 (0.000)/26.0		
		Heating	Low/Medium/High	m <sup>3</sup> /min	9.1/12.1/15.0	12.4/17.6/22.8	12.4/19.2/26.0		12.4/17.6/22.8	12.4/19.2 (0.000)/26.0		
Sound power level	Cooling	dBA		51	54	58		54	58			
	Heating	dBA		51	54	58		54	58			
Sound pressure level	Cooling	Low/High	dBA	28/35	29/37	29/41		29/37	29/41			
	Heating	Low/High	dBA	28/33	29/37	29/41		29/37	29/41			
Control systems	Infrared remote control		BRC7FA532F									
	Wired remote control		BRC1D528 / BRC1E53A7 / BRC1E53B7 / BRC1E53C7									
Power supply	Phase/Frequency/Voltage		Hz/V									
				1~/50/60/220-240/220								
Outdoor unit		AZAS		71M2V1B	100M7V1B	125M7V1B	140M7V1B	100M7Y1B	125M7Y1B	140M7Y1B		
Dimensions	Unit	HeightxWidthxDepth		770x900x320			990x940x320					
Weight	Unit	kg		60			70		78		77	
Sound power level	Cooling	dBA		65	70	71	73		70	71		
Sound pressure level	Cooling	Nom.	dBA	46	53		54		53	54		
	Heating	Nom.	dBA	47	57							
Operation range	Cooling	Ambient	Min.~Max.	°CDB			-5~46					
	Heating	Ambient	Min.~Max.	°CWB			-15~15.5					
Refrigerant	Type/GWP		R-32/675									
	Charge	kg/CO <sub>2</sub> Eq	2.45/1.65	2.60/1.76		2.90/1.96		2.60/1.76		2.90/1.96		
Piping connections	Liquid/Gas	mm		9,52/15,9								
	Piping length	OU - IU	Max.	m								
		System	Equivalent	m								
		Chargeless	m									
	Additional refrigerant charge	kg/m		See installation manual								
Level difference	IU - OU	Max.	m									
Power supply	Phase/Frequency/Voltage		Hz/V				1~/50/220-240		3~/50/380-415			
Current - 50Hz	Maximum fuse amps (MFA)		A		20	25	32		16			

(1) 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 split outdoor units is ideal for small retail, offices or residential applications
- › Unified indoor unit range for R-32 and R-410A
- › Combining with R-32 Bluevolution technology, reduces environmental impact with 68% compared to R-410A, leads directly to lower energy consumption thanks to its high energy efficiency and has up to lower 16% refrigerant charge
- › 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.
- › Individual flap control: flexibility to suit every room layout without changing the location of the unit!
- › Lowest installation height in the market: 214mm for class 20-63
- › Modern style decoration panel is available in 3 different variations: white (RAL9010) with grey louvers, full white (RAL9010) or auto cleaning panel



NEW

Online controller connection



Efficiency data		FCAG + RXM		35A + 35M9	50A + 50M9	60A + 60M9	
Cooling capacity	Nom.		kW	3.50	5.00	5.70	
Heating capacity	Nom.		kW	4.20	6.00	7.00	
Power input	Cooling	Nom.	kW	0.94	1.39	1.72	
	Heating	Nom.	kW	1.11	1.62	2.07	
Seasonal efficiency (according to EN14825)	Cooling	Energy efficiency class			A++		
		Pdesign	kW	3.50	5.00	5.70	
		SEER		6.35	6.54	6.40	
		Annual energy consumption	kWh	193	266	312	
	Heating (Average climate)	Energy efficiency class			A++	A+	
		Pdesign	kW	3.32	4.36	4.71	
SCOP/A			4.90	4.30	4.20		
	Annual energy consumption	kWh	948	1,419	1,569		
<b>Indoor unit</b>		<b>FCAG</b>		<b>35A</b>	<b>50A</b>	<b>60A</b>	
Dimensions	Unit	HeightxWidthxDepth	mm		204x840x840		
Weight	Unit		kg	18		19	
Air filter	Type			Resin net			
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			
Fan	Air flow rate	Cooling	Low/Medium/High	m <sup>3</sup> /min	8.7/10.6/12.5	8.7/10.7/12.6	8.7/11.2/13.6
		Heating	Low/Medium/High	m <sup>3</sup> /min	9.3/11.6/13.9	8.7/10.7/12.6	8.7/11.2/13.6
Sound power level	Cooling			dBA	49		51
	Heating			dBA	49		51
Sound pressure level	Cooling	Low/High		dBA	27/31		28/33
	Heating	Low/High		dBA	27/31		28/33
Control systems	Infrared remote control				BRC7FA532F		
	Wired remote control				BRC1D528 / BRC1E53A7 / BRC1E53B7 / BRC1E53C7		
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/60/220-240/220			
<b>Outdoor unit</b>		<b>RXM</b>		<b>35M9</b>	<b>50M9</b>	<b>60M9</b>	
Dimensions	Unit	HeightxWidthxDepth	mm	550x765x285		735x825x300	
Weight	Unit		kg	32		47	
Sound power level	Cooling			dBA	61	62	63
	Heating			dBA	61	62	63
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~-46		
	Heating	Ambient	Min.~Max.	°CWB	-15~-18		
Refrigerant	Type	R-32					
	GWP	675.0					
	Charge		kg/CO <sub>2</sub> Eq	0.76/0.52	1.40/0.95	1.45/0.98	
Piping connections	Liquid	OD	mm	6,35		6,4	
	Gas	OD	mm	9.50		12.7	
	Piping length	OU - IU	Max.	m	20.0	30	
	Additional refrigerant charge		kg/m	0.02 (for piping length exceeding 10m)			
	Level difference	IU - OU	Max.	m	20.0		
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/220-240			
Current - 50Hz	Maximum fuse amps (MFA)		A	10		15	

(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

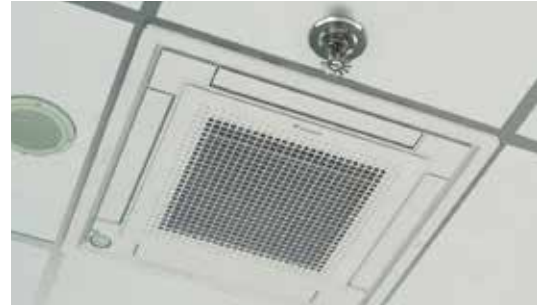
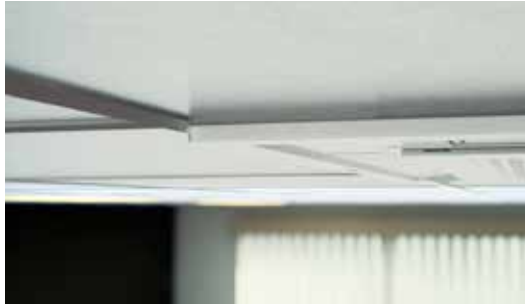
- > Unique product in the market!
- > Blends seamlessly in any modern office interior design
- > Ideal product to improve BREEAM score/EPBD in combination with Sky Air (FFQ-C) or VRV IV heat pump units (FXZQ-A).

## 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.







### 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

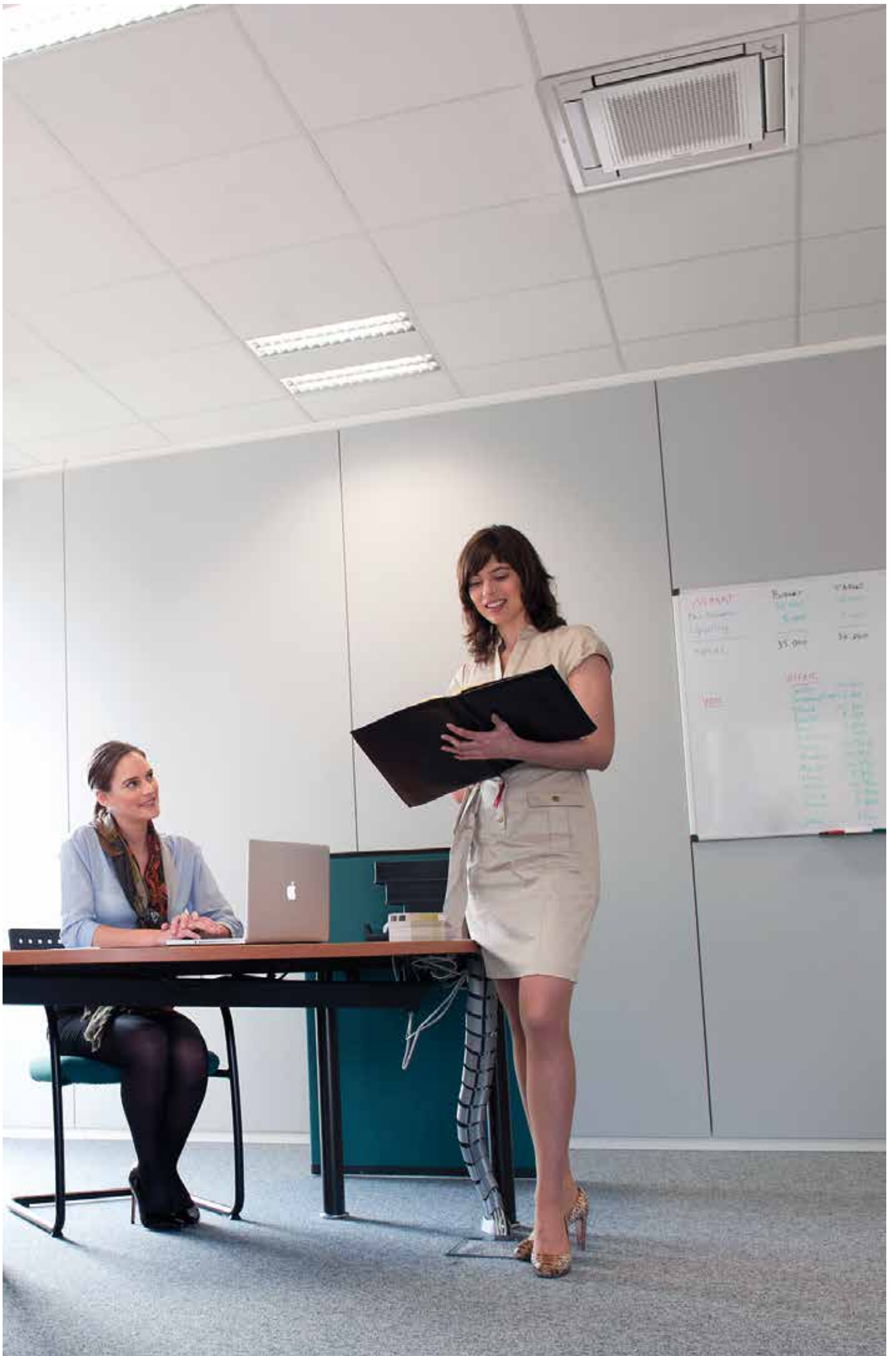
- › Individual flap control: easily control one or more flaps via the wired remote controller (BRC1E\*) when rearranging the room. When fully closing or blocking the flaps, the option “Sealing member of air discharge outlet” is needed.
- › Most silent cassette in the market (25dBA), important for office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



### Marketing tools

- › [https://www.daikin.eu/en\\_us/product-group/fully-flat-cassette.html](https://www.daikin.eu/en_us/product-group/fully-flat-cassette.html)
- › [www.youtube.com/DaikinEurope](https://www.youtube.com/DaikinEurope)





# Fully flat cassette

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

- > Fully flat integration in standard architectural ceiling tiles, leaving only 8mm
- > Remarkable blend of iconic design and engineering excellence with an elegant finish in white or a combination of silver and white
- > Unified indoor unit range for R-32 and R-410A
- > Combining with R-32 Bluevolution technology, reduces environmental impact with 68% compared to R-410A, leads directly to lower energy consumption thanks to its high energy efficiency and has up to lower 16% refrigerant charge
- > Two optional intelligent sensors improve energy efficiency and comfort.



- > Individual flap control: flexibility to suit every room layout without changing the location of the unit!
- > Reduced energy consumption thanks to specially developed small tube heat exchanger, DC fan motor and drain pump
- > Optional fresh air intake
- > Branch duct discharge allows to optimize air distribution in irregular shaped rooms or to supply air to small adjacent rooms
- > Standard drain pump with 630mm lift increases flexibility and installation speed



NEW

Online controller connection



Efficiency data		FFA + RXM		25A + 25M9	35A + 35M9	50A + 50M9	60A + 60M9		
Cooling capacity	Nom.	kW		2.50	3.40	5.00	5.70		
Heating capacity	Nom.	kW		3.20	4.20	5.80	7.00		
Power input	Cooling	Nom.	kW	0.55	0.89	1.54	1.87		
	Heating	Nom.	kW	0.82	1.20	1.66	2.05		
Seasonal efficiency (according to EN14825)	Cooling	Energy efficiency class		A++		A+			
		Pdesign	kW	2.50	3.40	5.00	5.70		
		SEER		6.17	6.38	5.98	5.76		
	Annual energy consumption		kWh	142	186	292	347		
	Heating (Average climate)	Energy efficiency class		A+		A		A+	
		Pdesign	kW	2.31	3.10	3.84	3.96		
SCOP/A			4.24	4.10	3.90	4.04			
Annual energy consumption		kWh	762	1,058	1,377	1,372			
Indoor unit		FFA		25A	35A	50A	60A		
Dimensions	Unit	HeightxWidthxDepth		mm					
Weight	Unit			16.0		17.5			
Air filter	Type	Resin net							
Decoration panel	Model	BYFQ60C2W1W/BYFQ60C2W1S/BYFQ60B2W1/BYFQ60B3W1							
	Colour	White (N9.5)/SILVER/White (RAL9010)/WHITE (RAL9010)							
	Dimensions	HeightxWidthxDepth		mm					
	Weight			kg					
Fan	Air flow rate	Cooling	Low/Medium/High	m <sup>3</sup> /min	6.5/8.0/9.0	6.5/8.5/10.0	7.5/10.0/12.0	9.5/12.5/14.5	
		Heating	Low/Medium/High	m <sup>3</sup> /min	6.5/8.0/9.0	6.5/8.5/10.0	7.5/10.0/12.0	9.5/12.5/14.5	
Sound power level	Cooling			dBA	48	51	56	60	
Sound pressure level	Cooling	Low/High		dBA	25.0/31.0	25.0/34.0	27.0/39.0	32.0/43.0	
	Heating	Low/High		dBA	25.0/31.0	25.0/34.0	27.0/39.0	32.0/43.0	
Control systems	Infrared remote control			BRC7EB530W (standard panel) / BRC7F530W (white panel) / BRC7F530S (grey panel)					
	Wired remote control			BRC1D528 / BRC1E53A7 / BRC1E53B7 / BRC1E53C7					
Power supply	Phase/Frequency/Voltage			Hz/V					
		1~/50/220-240							
Outdoor unit		RXM		25M9	35M9	50M9	60M9		
Dimensions	Unit	HeightxWidthxDepth		550x765x285		735x825x300			
Weight	Unit			32		47			
Sound power level	Cooling			dBA	59	61	62	63	
	Heating			dBA	59	61	62	63	
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~46				
	Heating	Ambient	Min.~Max.	°CWB	-15~18				
Refrigerant	Type	R-32							
	GWP	675.0							
Piping connections	Charge			kg/TCO2Eq	0.76/0.52	1.40/0.95	1.45/0.98		
	Liquid	OD			mm	6,35	6,4		
	Gas	OD			mm	9.50	12.7		
	Piping length	OU - IU	Max.	m	20.0	30			
		System	Chargeless	m	10.0	-			
	Additional refrigerant charge	kg/m							
		0.02 (for piping length exceeding 10m)							
	Level difference	IU - OU	Max.	m	20.0				
Power supply	Phase/Frequency/Voltage			Hz/V					
Current - 50Hz	Maximum fuse amps (MFA)			A					
				10		15			

(1) EER/CO2P 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.

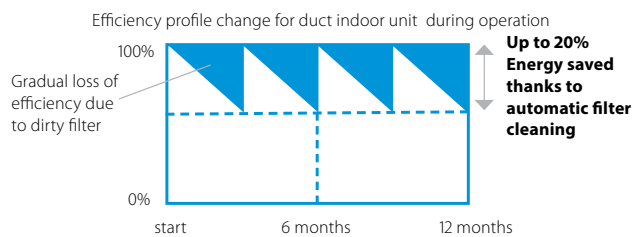
# Auto cleaning filter for concealed ceiling units



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

### Reduce running costs

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



### Minimal time required for filter cleaning

- ┌ The dust box can be emptied with a vacuum cleaner for fast and easy cleaning
- ┌ No more dirty ceilings

### Improved indoor air quality

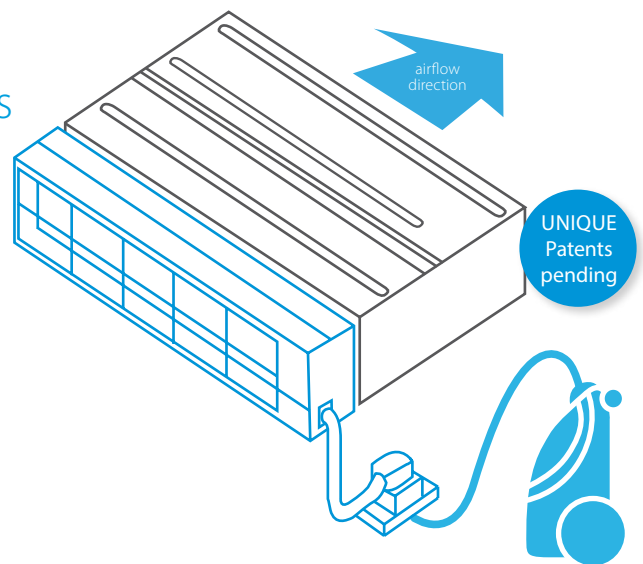
- › Optimum airflow eliminates draft and insulates sound

### Superb reliability

- › Prevents clogged filters for seamless operation

### Unique technology

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



## How does it work?

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

## Combination table

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

## Specifications

	BAE20A62	BAE20A82	BAE20A102
Height (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 flexibility: 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

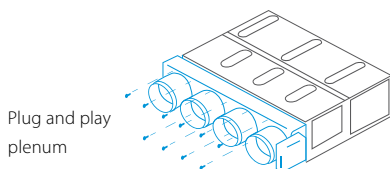
### Benefits

#### Increased comfort

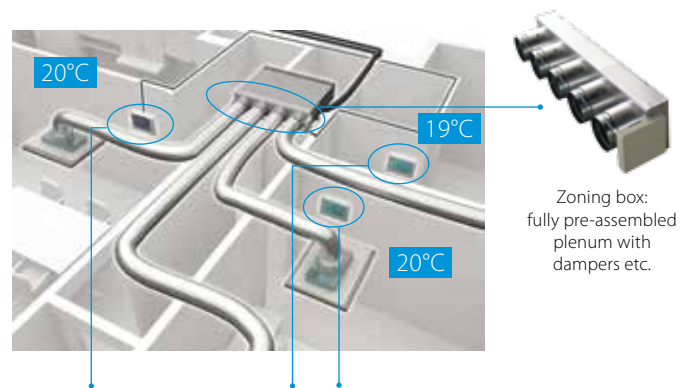
- ┆ Increases comfort levels by allowing more individual zone control
  - Up to 8 individual zones can be served thanks to separate modulating dampers
  - Individual thermostat for room-by-room or zone-by-zone control

#### Easy to install

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



### How does it work?



#### Individual zone thermostats

##### 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



# Concealed ceiling unit

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

- > Invisible unit as the unit is concealed in the ceiling: only the suction and discharge grilles are visible
- > Compact dimensions, can easily be mounted in a ceiling void of only 240mm
- > Medium external static pressure up to 40Pa facilitates unit use with flexible ducts of varying lengths
- > Unified indoor unit range for R-32 and R-410A
- NEW** > Auto cleaning filter option ensures maximum efficiency, comfort and reliability by regular filter cleaning
- NEW** > Multi zoning kit allows multiple individually-controlled climate zones to be served by one indoor unit
- > Online controller (optional): control your indoor from any location with an app, via your local network or internet and keep an overview on your energy consumption
- > Low energy consumption thanks to DC fan motor



**NEW**  
with auto  
cleaning and  
multi zoning  
option

**NEW**

Online controller connection



Efficiency data		FDXM + RXM	25F3 + 25M9	35F3 + 35M9	50F3 + 50M9	60F3 + 60M9	
Cooling capacity	Nom.	kW	2.40	3.40	5.00	6.00	
Heating capacity	Nom.	kW	3.20	4.00	5.80	7.00	
Power input	Cooling	Nom. kW	0.64	1.14	1.63	2.05	
	Heating	Nom. kW	0.80	1.15	1.87	2.18	
Seasonal efficiency (according to EN14825)	Cooling	Energy efficiency class	A+	A	A+	A	
		Pdesign	kW	2.40	3.40	5.00	6.00
		SEER		5.68	5.26	5.77	5.56
	Heating (Average climate)	Annual energy consumption	kWh	148	226	303	315
		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	1,046	1,424	1,693	

Indoor unit		FDXM	25F3	35F3	50F3	60F3
Dimensions	Unit HeightxWidthxDepth	mm	200x750x620		200x1,150x620	
Weight	Unit	kg	21		28	
Air filter	Type		Removable / washable			
Fan	Air flow rate	Cooling	Low/Medium/High	m <sup>3</sup> /min	7.3/8.0/8.7	
		Heating	Low/Medium/High	m <sup>3</sup> /min	7.3/8.0/8.7	
	External static pressure	Nom.	Pa	30		40
Sound power level	Cooling		dB(A)	53		55
	Heating		dB(A)	53		55
Sound pressure level	Cooling	Low/High	dB(A)	27/35		30/38
	Heating	Low/High	dB(A)	27/35		30/38
Power supply	Phase/Frequency/Voltage	Hz/V	1~/50/220-240			

Outdoor unit		RXM	25M9	35M9	50M9	60M9	
Dimensions	Unit HeightxWidthxDepth	mm	550x765x285		735x825x300		
Weight	Unit	kg	32		47		
Sound power level	Cooling		dB(A)	59		62	
	Heating		dB(A)	59		62	
Operation range	Cooling	Ambient	Min.~Max.	°CDB -10~46			
	Heating	Ambient	Min.~Max.	°CWB -15~18			
Refrigerant	Type		R-32				
	GWP		675.0				
	Charge	kg/CO <sub>2</sub> Eq	0.76/0.52		1.40/0.95	1.45/0.98	
Piping connections	Liquid	OD	mm	6,35		6,4	
	Gas	OD	mm	9.50		12.7	
	Piping length	OU - IU	Max.	m 20.0			
	Additional refrigerant charge		kg/m	0.02 (for piping length exceeding 10m)			
	Level difference	IU - OU	Max.	m 20.0			
Power supply	Phase/Frequency/Voltage	Hz/V	1~/50/220-240				
Current - 50Hz	Maximum fuse amps (MFA)	A	10		15		

(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 Alpha-series ensures best in class quality, highest efficiency and performance
- › Slimmest unit in class, only 245mm (300mm built-in height) and therefore narrow ceiling voids are no longer a challenge
- › Low operation sound level down to 25dBA
- › Medium external static pressure up to 150Pa facilitates using flexible ducts of varying lengths
- › Unified indoor unit can be combined with R-32 and R-410A outdoor units, simplifying stock
- › Combining with R-32 Bluevolution technology, reduces environmental impact with 68% compared to R-410A, leads directly to lower energy consumption thanks to its high energy efficiency and has up to lower 16% refrigerant charge
- › Possibility to change ESP via wired remote control allows optimisation of the supply air volume
- › Discretely concealed in the ceiling: only the suction and discharge grilles are visible
- › Multi zoning kit allows multiple individually-controlled climate zones to be served by one indoor unit
- › Reduced energy consumption thanks to specially developed DC fan motor
- › Optional fresh air intake



**NEW**  
with  
multi zoning  
option

**NEW**

Online controller connection



- › Flexible installation: air suction direction can be altered from rear to bottom suction and choice between free use or connection to optional suction grilles
- › Standard built-in drain pump with 625mm lift increases flexibility and installation speed

**NEW**

Efficiency data			FBA + RZAG	71A + 71MY1	100A + 100MY1	125A + 125MY1	140A + 140MY1	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
Seasonal efficiency (according to EN14825)	Cooling	Energy efficiency class		A++				A++			
		Pdesign	kW	6.80	9.50	12.1	13.4	6.80	9.50	12.1	13.4
		SEER		6.22	6.47	6.19	6.42	6.22	6.47	6.19	6.42
	Heating (Average climate)	Annual energy consumption	kWh	382	514	1,173	1,252	382	514	1,173	1,252
		Energy efficiency class		A+				A+			
		Pdesign	kW	4.70	7.80	9.52		4.70	7.80	9.52	
SCOP/A		4.20	4.36	4.12	4.11	4.20	4.36	4.12	4.11		
Annual energy consumption	kWh	1,566	2,505	3,235	3,243	1,566	2,505	3,235	3,243		

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	35.0	46.0		35.0		46.0			
Air filter	Type			Resin net								
Fan	Air flow rate	Cooling	Low/Medium/High	m <sup>3</sup> /min	12.5/15.0/18.0	23.0/26.0/29.0	23.5/29.0/34.0		12.5/15.0/18.0	23.0/26.0/29.0	23.5/29.0/34.0	
		Heating	Low/Medium/High	m <sup>3</sup> /min	12.5/15.0/18.0	23.0/26.0/29.0	23.5/29.0/34.0		12.5/15.0/18.0	23.0/26.0/29.0	23.5/29.0/34.0	
	External static pressure	Nom./High		Pa	30/150	40/150	50/150		30/150	40/150	50/150	
Sound power level	Cooling			dBA	56	58	62		56	58	62	
Sound pressure level	Cooling	Low/High		dBA	25.0/30.0	30.0/34.0	32.0/37.0		25.0/30.0	30.0/34.0	32.0/37.0	
	Heating	Low/High		dBA	25.0/31.0	30.0/36.0	32.0/38.0		25.0/31.0	30.0/36.0	32.0/38.0	
Control systems	Infrared remote control			BRC4C65 / BRC4C66								
	Wired remote control			BRC1D528 / BRC1E53A7 / BRC1E53B7 / BRC1E53C7								
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		990x940x320		1,430x940x320	
Weight	Unit		kg	70	92		70		92		
Sound power level	Cooling			dBA	64	66	69	70	65	66	69
Sound pressure level	Cooling	Nom.		dBA	46	47	50	51	46	47	50
	Heating	Nom.		dBA	49	51	52		49	51	52
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-20~-52						
	Heating	Ambient	Min.~Max.	°CWB	-20~-18.0						
Refrigerant	Type/GWP			R-32/675							
	Charge			kg/CO <sub>2</sub> Eq	2.95/1.99	3.75/2.53		2.95/1.99	3.75/2.53		
Piping connections	Liquid/Gas			mm	9,52/15,9						
	Piping length	OU - IU	Max.	m	55	85		55	85		
		System	Equivalent	m	75	100		75	100		
		Chargeless		m	40						
		Additional refrigerant charge		kg/m	See installation manual						
	Level difference	IU - OU	Max.	m	30.0						
Power supply	Phase/Frequency/Voltage			Hz/V 1~/50/220-240				3~/50/380-415			
Current - 50Hz	Maximum fuse amps (MFA)		A	20	32		16				

(1) 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
- › Slimmest unit in class, only 245mm built-in height)
- › Low operation sound level down to 25dBA
- › Medium external static pressure up to 150Pa facilitates using flexible ducts of varying lengths
- › Unified indoor unit can be combined with R-32 and R-410A outdoor units, simplifying stock
- › Combining with R-32 Bluevolution technology, reduces environmental impact with 68% compared to R-410A
- › Possibility to change ESP via wired remote control allows optimisation of the supply air volume
- › Discretely concealed in the ceiling: only the suction and discharge grilles are visible
- › Multi zoning kit allows multiple individually-controlled climate zones to be served by one indoor unit



NEW

NEW

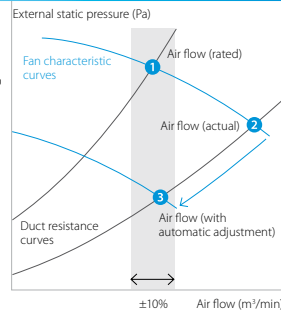
## Optimised supply air volume

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



Online controller connection



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
Seasonal efficiency (according to EN14825)	Cooling	Energy efficiency class	A++	A+	-	-	A+	-	-
		Pdesign	kW	6.80	9.50	12.1	13.4	9.50	12.1
	SEER		6.19	5.83	5.27	5.81	5.83	5.27	5.81
	Annual energy consumption	kWh	385	570	1,378	1,384	570	1,378	1,384
	Heating (Average climate)	Energy efficiency class	A+	A	-	-	A	-	-
	Pdesign	kW	4.50	6.00	7.80	7.80	6.00	7.80	
	SCOP/A		4.01	3.85	3.63	3.85	3.63	3.85	
	Annual energy consumption	kWh	1,571	2,182	2,314	2,836	2,182	2,314	2,836

Indoor unit		FBA	71A	100A	125A	140A	100A	125A	140A
Dimensions	Unit	HeightxWidthxDepth	mm	245x1,000x800					
Weight	Unit		kg	35.0	46.0				
Air filter	Type			Resin net					
Fan	Air flow rate	Cooling	Low/Medium/High	m³/min	12.5/15.0/18.0	23.0/26.0/29.0	23.5/29.0/34.0	23.0/26.0/29.0	23.5/29.0/34.0
		Heating	Low/Medium/High	m³/min	12.5/15.0/18.0	23.0/26.0/29.0	23.5/29.0/34.0	23.0/26.0/29.0	23.5/29.0/34.0
	External static pressure	Nom./High		Pa	30/150	40/150	50/150	40/150	50/150
Sound power level	Cooling			dBA	56	58	62	58	62
Sound pressure level	Cooling	Low/High		dBA	25.0/30.0	30.0/34.0	32.0/37.0	30.0/34.0	32.0/37.0
	Heating	Low/High		dBA	25.0/31.0	30.0/36.0	32.0/38.0	30.0/36.0	32.0/38.0
Control systems	Infrared remote control				BRC4C65 / BRC4C66				
	Wired remote control				BRC1D528 / BRC1E53A7 / BRC1E53B7 / BRC1E53C7				
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					
Weight	Unit		kg	60	70	78	70	71	77
Sound power level	Cooling			dBA	65	70	71	73	70
	Heating			dBA	46	53	54	53	54
Sound pressure level	Cooling	Nom.		dBA	46				
	Heating	Nom.		dBA	47			57	
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-15~46				
	Heating	Ambient	Min.~Max.	°CWB	-15~-15.5				
Refrigerant	Type/GWP				R-32/675				
	Charge	kg/CO2Eq		2.45/1.65	2.60/1.76	2.90/1.96	2.60/1.76	2.90/1.96	
Piping connections	Liquid/Gas			mm	9,52/15,9				
	Piping length	OU - IU	Max.	m	50				
		System	Equivalent	m	70				
		Chargeless		m	30				
	Additional refrigerant charge			kg/m	See installation manual				
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/220-240			3~/50/380-415	
	Current - 50Hz	Maximum fuse amps (MFA)	A	20	25	32	16	20	16

(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

- › Ideal solution for small businesses and shops
- › Slimmest unit in class, only 245mm (300mm built-in height)
- › Low operation sound level down to 25dBA
- › Medium external static pressure up to 150Pa facilitates using flexible ducts of varying lengths
- › Unified indoor unit can be combined with R-32 and R-410A outdoor units, simplifying stock
- › Combining with R-32 Bluevolution technology, reduces environmental impact with 68% compared to R-410A
- › Possibility to change ESP via wired remote control allows optimisation of the supply air volume
- › Discretely concealed in the ceiling: only the suction and discharge grilles are visible
- › Multi zoning kit allows multiple individually-controlled climate zones to be served by one indoor unit

NEW



NEW with multi zoning option

NEW

Online controller connection



Efficiency data		FBA + AZAS		71A+71M2V1B	100A + 100M7V1B	125A + 125M7V1B	140A + 140M7V1B	100A + 100M7Y1B	125A + 125M7Y1B	140A + 140M7Y1B	
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	
Seasonal efficiency (according to EN14825)	Cooling	Energy efficiency class		A			-			A	
		Pdesign	kW	6.80	9.50	12.1	13.0	9.50	12.1	13.0	
		SEER		5.57	5.25	4.85	5.50	5.25	4.85	5.50	
	Annual energy consumption		kWh	427	633	1,497	1,418	633	1,497	1,418	
	Heating (Average climate)	Energy efficiency class		A			-			A	
		Pdesign	kW	4.50	6.00	7.80	8.00	6.00	7.80		
SCOP/A			3.81		3.55	3.85	3.81	3.55	3.85		
Annual energy consumption		kWh	1,654	2,205	2,366	2,836	2,205	2,366	2,836		
Indoor unit		FBA		71A	100A	125A	140A	100A	125A	140A	
Dimensions	Unit	HeightxWidthxDepth		mm		245x1,000x800		245x1,400x800			
Weight	Unit	kg		35.0		46.0					
Air filter	Type	Resin net									
Fan	Air flow rate	Cooling	Low/Medium/High	m <sup>3</sup> /min	12.5/15.0/18.0	23.0/26.0/29.0	23.5/29.0/34.0	23.0/26.0/29.0	23.5/29.0/34.0		
		Heating	Low/Medium/High	m <sup>3</sup> /min	12.5/15.0/18.0	23.0/26.0/29.0	23.5/29.0/34.0	23.0/26.0/29.0	23.5/29.0/34.0		
External static pressure		Nom./High		Pa	30/150	40/150	50/150	40/150	50/150		
Sound power level	Cooling			dBA	56	58	62	58	62		
Sound pressure level	Cooling	Low/High			dBA	25.0/30.0	30.0/34.0	32.0/37.0	30.0/34.0	32.0/37.0	
	Heating	Low/High			dBA	25.0/31.0	30.0/36.0	32.0/38.0	30.0/36.0	32.0/38.0	
Control systems		Infrared remote control		BRC4C65 / BRC4C66							
		Wired remote control		BRC1D528 / BRC1E53A7 / BRC1E53B7 / BRC1E53C7							
Power supply		Phase/Frequency/Voltage		Hz/V							
				1~/50/60/220-240/220							
Outdoor unit		AZAS		71M2V1B	100M7V1B	125M7V1B	140M7V1B	100M7Y1B	125M7Y1B	140M7Y1B	
Dimensions	Unit	HeightxWidthxDepth		mm		770x900x320		990x940x320			
Weight	Unit	kg		60		70		78		77	
Sound power level	Cooling			dBA	65	70	71	73	70	71	
Sound pressure level	Cooling	Nom.			dBA	46	53	54	53	54	
	Heating	Nom.			dBA	47	57				
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-5~46						
	Heating	Ambient	Min.~Max.	°CWB	-15~-15.5						
Refrigerant		Type/GWP		R-32/675							
		Charge		kg/TCO2Eq	2.45/1.65	2.60/1.76	2.90/1.96	2.60/1.76	2.90/1.96		
Piping connections		Liquid/Gas		mm							
				9,52/15.9							
Piping length	OU - IU	System	Max.	m							
			Equivalent	30							
	Chargeless	m									
				50							
				30							
Additional refrigerant charge				kg/m							
				See installation manual							
Level difference		IU - OU		Max.							
				m							
Power supply		Phase/Frequency/Voltage		Hz/V							
				1~/50/220-240							
Current - 50Hz		Maximum fuse amps (MFA)		A							
				20 25 32 16 20							

(1) EER/COOP 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 split outdoor units is ideal for small retail, offices or residential applications
- > Slimmest unit in class, only 245mm (300mm built-in height)
- > Low operation sound level down to 25dBA
- > Medium external static pressure up to 150Pa facilitates using flexible ducts of varying lengths
- > Unified indoor unit can be combined with R-32 and R-410A outdoor units, simplifying stock
- > Combining with R-32 Bluevolution technology, reduces environmental impact with 68% compared to R-410A
- > Possibility to change ESP via wired remote control allows optimisation of the supply air volume
- > Discretely concealed in the ceiling: only the suction and discharge grilles are visible
- > Multi zoning kit allows multiple individually-controlled climate zones to be served by one indoor unit

NEW



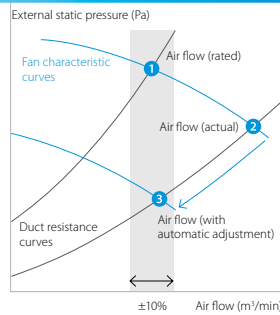
## Optimised supply air volume

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

Online controller connection



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	0.85	1.41	1.64	
	Heating	Nom. kW	1.00	1.44	1.89	
Seasonal efficiency (according to EN14825)	Cooling	Energy efficiency class	A++			
		Pdesign kW	3.40	5.00	5.70	
		SEER	6.23	6.27	5.91	
	Heating (Average climate)	Annual energy consumption kWh	191	279	337	
		Energy efficiency class	A+			
		Pdesign kW	2.90	4.40	4.60	
SCOP/A	4.07	4.06	4.01			
Annual energy consumption kWh	996	1,517	1,607			
<b>Indoor unit</b>		<b>FBA</b>	<b>35A</b>	<b>50A</b>	<b>60A</b>	
Dimensions	Unit	HeightxWidthxDepth	245x700x800		245x1,000x800	
Weight	Unit	kg	28.0		35.0	
Air filter	Type	Resin net				
Fan	Air flow rate	Cooling Low/Medium/High	10.5/12.5/15.0		12.5/15.0/18.0	
		Heating Low/Medium/High	10.5/12.5/15.0		12.5/15.0/18.0	
	External static pressure	Nom./High	30/150			
Sound power level	Cooling	dB(A)	60		56	
Sound pressure level	Cooling	Low/High	29.0/35.0		25.0/30.0	
	Heating	Low/High	29.0/37.0		25.0/31.0	
Control systems	Infrared remote control	BRC4C65 / BRC4C66				
	Wired remote control	BRC1D528 / BRC1E53A7 / BRC1E53B7 / BRC1E53C7				
Power supply	Phase/Frequency/Voltage	Hz/V	1~/50/60/220-240/220			
<b>Outdoor unit</b>		<b>RXM</b>	<b>35M9</b>	<b>50M9</b>	<b>60M9</b>	
Dimensions	Unit	HeightxWidthxDepth	550x765x285		735x825x300	
Weight	Unit	kg	32		47	
Sound power level	Cooling	dB(A)	61		63	
	Heating	dB(A)	61		63	
Operation range	Cooling	Ambient	Min.~Max.	-10~46		
	Heating	Ambient	Min.~Max.	-15~18		
Refrigerant	Type	R-32				
	GWP	675.0				
	Charge	kg/CO2Eq	0.76/0.52	1.40/0.95	1.45/0.98	
Piping connections	Liquid	OD	6,35		6,4	
	Gas	OD	9,50		12,7	
	Piping length	OU - IU	Max.	20,0		
	Additional refrigerant charge	kg/m	0.02 (for piping length exceeding 10m)			
	Level difference	IU - OU	Max.	20,0		
Power supply	Phase/Frequency/Voltage	Hz/V	1~/50/220-240			
Current - 50Hz	Maximum fuse amps (MFA)	A	10		15	

(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 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



**NEW**  
Online controller connection



Efficiency data			Sky Air Alpha-series		Sky Air Advance-series		
			FDA + RZAG/RZASG	125A + 125MV1	125A + 125MY1	125A + 125MV1	125A + 125MY1
Cooling capacity	Nom.					12.1	
Heating capacity	Nom.					13.5	
Seasonal efficiency (according to EN14825)	Cooling	Energy efficiency class	-	-	-	-	
		Pdesign			12,1		
		SEER		6,59			5,03
	Heating (Average climate)	Annual energy consumption		1102			1444
		Energy efficiency class	-	-	-	-	-
		Pdesign		9,52			6,00
		SCOP/A	4,08			3,58	
		Annual energy consumption	3267			2346	

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 <sup>3</sup> /min	39/28
	Heating	High/Low	m <sup>3</sup> /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	92	92	70	70
Sound power level	Cooling		dBA	69	69	71	71
Sound pressure level	Cooling	Nom.	dBA	50	50	53	53
	Heating	Nom.	dBA	52	52	57	57
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 <sub>2</sub> eq	2,53			1,76
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

(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
- › 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
- › Unified indoor unit range for R-32 and R-410A
- › Combining with R-32 Bluevolution technology, reduces environmental impact with 68% compared to R-410A, leads directly to lower energy consumption thanks to its high energy efficiency and has up to lower 16% refrigerant charge
- › 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



**NEW**  
Online controller connection

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		7.50	10.8	7.50	10.8			
Seasonal efficiency (according to EN14825)	Cooling	Energy efficiency class		A++						
		Pdesign	kW	6.80	9.50	6.80	9.50			
		SEER		6.58	6.42	6.58	6.42			
	Annual energy consumption		kWh	362	518	362	518			
	Heating (Average climate)	Energy efficiency class		A+						
		Pdesign	kW	4.70	7.80	4.70	7.80			
SCOP/A			4.02	4.01	4.02	4.01				
Annual energy consumption		kWh	1,637	2,723	1,637	2,723				
Indoor unit		FAA		71A	100A	71A	100A			
Dimensions	Unit	HeightxWidthxDPTH		mm	290x1,050x238	340x1,200x240	290x1,050x238	340x1,200x240		
Weight	Unit	kg		13.0	17.0	13.0	17.0			
Air filter	Type		-							
Fan	Air flow rate	Cooling	Low/Medium/High	m <sup>3</sup> /min	14.0/16/18.0	19.0/23/26.0	14.0/16/18.0	19.0/23/26.0		
		Heating	Low/Medium/High	m <sup>3</sup> /min	14.0/16.0/18.0	19.0/23.0/26.0	14.0/16.0/18.0	19.0/23.0/26.0		
Sound power level	Cooling	dBA		61	65	61	65			
	Heating	dBA		61	65	61	65			
Sound pressure level	Cooling	Low/High	dBA	40/45	41/49	40/45	41/49			
	Heating	Low/High	dBA	40/45	41/49	40/45	41/49			
Power supply	Phase/Frequency/Voltage		Hz/V					1~/50/220-240		
Outdoor unit		RZAG		71MV1	100MV1	71MY1	100MY1			
Dimensions	Unit	HeightxWidthxDPTH		mm	990x940x320	1,430x940x320	990x940x320	1,430x940x320		
Weight	Unit	kg		70	92	70	92			
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	Ambient	Min.~Max.	°CDB				-20~52		
	Heating	Ambient	Min.~Max.	°CWB				-20~18		
Refrigerant	Type/GWP		R-32/675							
	Charge	kg/TCO2Eq		2.95/1.99	3.75/2.53	2.95/1.99	3.75/2.53			
Piping connections	Liquid/Gas		mm					9,52/15.9		
	Piping length	OU - IU	Max.	m	55	85	55	85		
		System	Equivalent	m	75	100	75	100		
	Chargeless		m					40		
	Additional refrigerant charge		kg/m					See installation manual		
Level difference		IU - OU		Max.				m	30.0	
Power supply	Phase/Frequency/Voltage		Hz/V				1~/50/220-240	3~/50/380-415		
Current - 50Hz	Maximum fuse amps (MFA)		A					20	32	16

(1) 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 Advance-series ensures good value for money for all types of commercial applications
- › Flat, stylish front panel blends easily within any interior décor and is easier to clean
- › Can easily be installed in both new and refurbishment projects
- › Unified indoor unit range for R-32 and R-410A
- › Combining with R-32 Bluevolution technology, reduces environmental impact with 68% compared to R-410A, leads directly to lower energy consumption thanks to its high energy efficiency and has up to lower 16% refrigerant charge



NEW

Online controller connection



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					
Seasonal efficiency (according to EN14825)	Cooling	Energy efficiency class		A++		A+					
		Pdesign	kW	6.80		9.50					
		SEER		6.41		5.83					
	Heating (Average climate)	Annual energy consumption		kWh		371		570			
		Energy efficiency class				A					
		Pdesign	kW	4.50		6.00					
		SCOP/A		3.90		3.85					
		Annual energy consumption		kWh		1,615		2,182			
Indoor unit		FAA		71A		100A		100A			
Dimensions	Unit	HeightxWidthxDepth		mm		290x1,050x238		340x1,200x240			
Weight	Unit			kg		13.0		17.0			
Air filter	Type										
Fan	Air flow rate	Cooling	Low/Medium/High	m³/min	14.0/16/18.0		19.0/23/26.0				
		Heating	Low/Medium/High	m³/min	14.0/16.0/18.0		19.0/23.0/26.0				
Sound power level	Cooling			dBA	61		65				
	Heating			dBA	61		65				
Sound pressure level	Cooling	Low/High			dBA	40/45		41/49			
	Heating	Low/High			dBA	40/45		41/49			
Power supply	Phase/Frequency/Voltage		Hz/V				1~/50/220-240				
Outdoor unit		RZASG		71MV1		100MV1		100MY1			
Dimensions	Unit	HeightxWidthxDepth		mm		770x900x320		990x940x320			
Weight	Unit			kg		60		70			
Sound power level	Cooling			dBA	65		70				
Sound pressure level	Cooling	Nom.			dBA	46		53			
	Heating	Nom.			dBA	47		57			
Operation range	Cooling	Ambient	Min.~Max.	°CDB			-15~46				
	Heating	Ambient	Min.~Max.	°CWB			-15~-15,5				
Refrigerant	Type/GWP						R-32/675				
	Charge		kg/TCO2Eq		2.45/1.65		2.60/1.76				
Piping connections	Liquid/Gas				mm		9,52/15,9				
	Piping length	OU - IU	Max.	m			50				
		System	Equivalent	m			70				
	Chargeless				m			30			
	Additional refrigerant charge				kg/m			See installation manual			
Level difference	IU - OU	Max.		m			30.0				
Power supply	Phase/Frequency/Voltage		Hz/V				1~/50/220-240		3~/50/380-415		
Current - 50Hz	Maximum fuse amps (MFA)		A		20		25		16		

(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

- › Ideal solution for small businesses and shops
- › Flat, stylish front panel blends easily within any interior décor and is easier to clean
- › Can easily be installed in both new and refurbishment projects
- › Unified indoor unit range for R-32 and R-410A
- › Combining with R-32 Bluevolution technology, reduces environmental impact with 68% compared to R-410A, leads directly to lower energy consumption thanks to its high energy efficiency and has up to lower 16% refrigerant charge



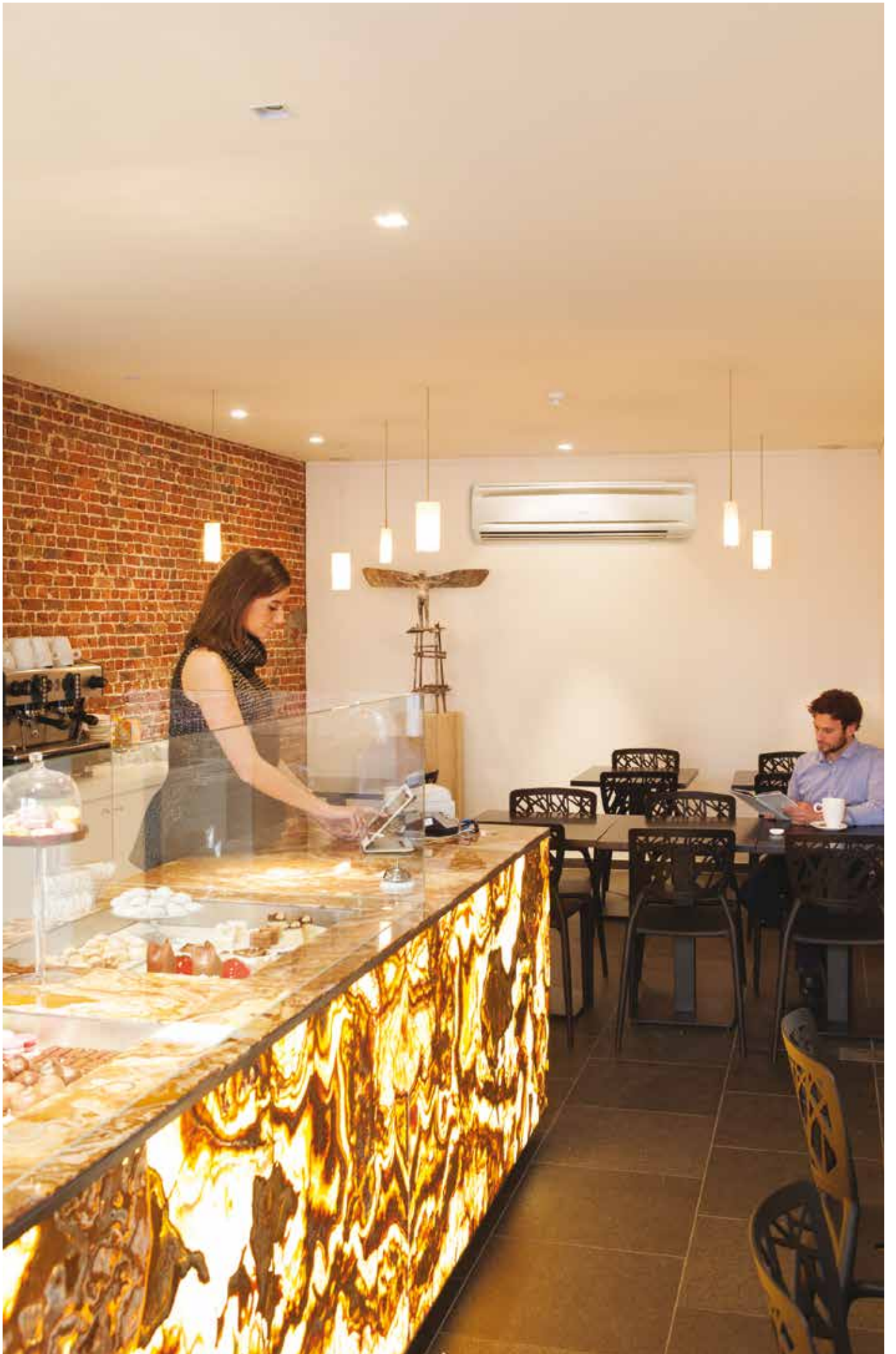
**NEW**  
Online controller connection

Efficiency data		FAA + AZAS	71A + 71M2V1B	100A + 100M7V1B	100A + 100M7Y1B	
Cooling capacity	Nom.	kW	6.80		9.50	
Heating capacity	Nom.	kW	7.50		10.8	
Seasonal efficiency (according to EN14825)	Cooling	Energy efficiency class	A+		A	
		Pdesign	kW	6.80	9.50	
		SEER		5.77	5.25	
	Heating (Average climate)	Annual energy consumption	kWh	412	633	
		Energy efficiency class			A	
	Pdesign	kW	4.50	6.00		
	SCOP/A			3.81		
	Annual energy consumption	kWh	1,654	2,205		
Indoor unit		FAA	71A	100A	100A	
Dimensions	Unit HeightxWidthxDepth	mm	290x1,050x238		340x1,200x240	
Weight	Unit	kg	13.0		17.0	
Air filter	Type					
Fan	Air flow rate	Cooling	Low/Medium/High	m <sup>3</sup> /min	14.0/16/18.0	19.0/23/26.0
		Heating	Low/Medium/High	m <sup>3</sup> /min	14.0/16.0/18.0	19.0/23.0/26.0
Sound power level	Cooling			dBA	61	65
	Heating			dBA	61	65
Sound pressure level	Cooling	Low/High		dBA	40/45	41/49
	Heating	Low/High		dBA	40/45	41/49
Power supply	Phase/Frequency/Voltage	Hz/V			1~/50/220-240	
Outdoor unit		AZAS	71M2V1B	100M7V1B	100M7Y1B	
Dimensions	Unit HeightxWidthxDepth	mm	770x900x320		990x940x320	
Weight	Unit	kg	60		70	
Sound power level	Cooling			dBA	65	70
Sound pressure level	Cooling	Nom.		dBA	46	53
	Heating	Nom.		dBA	47	57
Operation range	Cooling	Ambient	Min.~Max.	°CDB		-5~46
	Heating	Ambient	Min.~Max.	°CWB		-15~15,5
Refrigerant	Type/GWP					R-32/675
	Charge	kg/TCO2Eq	2.45/1.65			2.60/1.76
Piping connections	Liquid/Gas	mm			9,52/15,9	
	Piping length	OU - IU	Max.	m	30	
		System	Equivalent	m	50	
		Chargeless	m	30		
	Additional refrigerant charge	kg/m			See installation manual	
Level difference	IU - OU	Max.	m	30,0		
Power supply	Phase/Frequency/Voltage	Hz/V		1~/50/220-240	3~/50/380-415	
Current - 50Hz	Maximum fuse amps (MFA)	A	20	25	16	

(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.



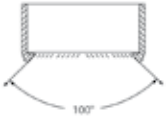




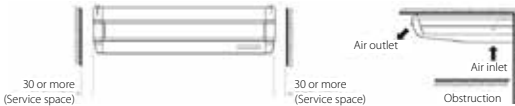
# Ceiling suspended unit

For wide rooms with no false ceilings nor free floor space

- › Combination with Sky Air Alpha-series ensures best in class quality, highest efficiency and performance
- › Ideal for comfortable air flow in wide rooms thanks to Coanda effect: up to 100° discharge angle



- › Even rooms with ceilings up to 3.8m can be heated up or cooled down very easily without capacity loss
- › Can easily be installed in both new and refurbishment projects
- › Unified indoor unit range for R-32 and R-410A
- › Combining with R-32 Bluevolution technology, reduces environmental impact with 68% compared to R-410A, leads directly to lower energy consumption thanks to its high energy efficiency and has up to lower 16% refrigerant charge
- › Can easily be mounted in corners and narrow spaces, as it only needs 30mm lateral service space



- › Reduced energy consumption thanks to specially developed small tube heat exchanger, DC fan motor and drain pump



NEW



Online controller connection

- › 5 different fan speeds available for maximum comfort
- › Stylish unit blends easily with any interior. The flaps close entirely when the unit is not operating and there are no air intake grilles visible

Efficiency data			FHA + RZAG	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	
Seasonal efficiency (according to EN14825)	Cooling	Energy efficiency class		A++				A++				
		Pdesign	kW	6.80	9.50	12.1	13.4	6.80	9.50	12.1	13.4	
		SEER		7.11	6.42	8.22	6.42	7.11	6.42	8.22	6.42	
		Annual energy consumption	kWh	335	518	883	1,252	335	518	883	1,252	
	Heating (Average climate)	Energy efficiency class		A+				A++				
		Pdesign	kW	4.70	7.80	9.52		4.70	7.80	9.52		
		SCOP/A		4.32	4.61	4.09	4.30	4.32	4.61	4.09	4.30	
		Annual energy consumption	kWh	1,523	2,369	3,259	3,100	1,523	2,369	3,259	3,100	
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	32.0		38.0		32.0		38.0		
Air filter	Type			Resin net								
Fan	Air flow rate	Cooling	Low/Medium/High	m <sup>3</sup> /min	14.0/17.0/20.5	20.0/24.0/28.0	23.0/27.0/31.0	24.0/29.0/34.0	14.0/17.0/20.5	20.0/24.0/28.0	23.0/27.0/31.0	24.0/29.0/34.0
		Heating	Low/Medium/High	m <sup>3</sup> /min	14.0/17.0/20.5	20.0/24.0/28.0	23.0/27.0/31.0	24.0/29.0/34.0	14.0/17.0/20.5	20.0/24.0/28.0	23.0/27.0/31.0	24.0/29.0/34.0
Sound power level	Cooling		dB(A)	55	60	62	64	55	60	62	64	
Sound pressure level	Cooling	Low/High	dB(A)	34/38	34/42	37/44	38/46	34/38	34/42	37/44	38/46	
	Heating	Nom./High	dB(A)	36/38	38/42	41/44	42/46	36/38	38/42	41/44	42/46	
Control systems	Infrared remote control			BRC7GA53 / BRC7GA56								
	Wired remote control			BRC1E53A7 / BRC1E53B7 / BRC1E53C7 / BRC1D528 / BRC1E51A7								
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/220-240								
Outdoor unit			RZAG	71MV1	100MV1	125MV1	140MV1	71MY1	100MY1	125MY1	140MY1	
Dimensions	Unit	HeightxWidthxDepth	mm	990x940x320		1,430x940x320		990x940x320		1,430x940x320		
Weight	Unit		kg	70		92		70		92		
Sound power level	Cooling		dB(A)	64	66	69	70	65	66	69	70	
Sound pressure level	Cooling	Nom.	dB(A)	46	47	50	51	46	47	50	51	
	Heating	Nom.	dB(A)	49	51	52		49	51	52		
Operation range	Cooling	Ambient	Min.~Max.	°CDB				-20~-52				
	Heating	Ambient	Min.~Max.	°CWB				-20~-18				
Refrigerant	Type/GWP			R-32/675								
	Charge		kg/TCO <sub>2</sub> Eq	2.95/1.99		3.75/2.53		2.95/1.99		3.75/2.53		
Piping connections	Liquid/Gas		mm	9,52/15,9								
	Piping length	OU - IU	Max.	m	55				55			
		System	Equivalent	m	75				75			
		Chargeless		m	40							
		Additional refrigerant charge		kg/m	See installation manual							
	Level difference	IU - OU	Max.	m	30,0							
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/220-240				3~/50/380-415				
Current - 50Hz	Maximum fuse amps (MFA)		A	20		32		16				

(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
- › Ideal for comfortable air flow in wide rooms thanks to Coanda effect: up to 100° discharge angle
- › Even rooms with ceilings up to 3.8m can be heated up or cooled down very easily without capacity loss
- › Can easily be installed in both new and refurbishment projects
- › Unified indoor unit range for R-32 and R-410A
- › Combining with R-32 Bluevolution technology, reduces environmental impact with 68% compared to R-410A, leads directly to lower energy consumption thanks to its high energy efficiency and has up to lower 16% refrigerant charge



NEW



Online controller connection

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	
Seasonal efficiency (according to EN14825)	Cooling	Energy efficiency class		A+			-			A+	
		Pdesign	kW	6.80	9.50	12.1	13.4	9.50	12.1	13.4	
		SEER		5.95	5.83	5.60	5.88	5.83	5.60	5.88	
	Annual energy consumption		kWh	400	570	1,297	1,368	570	1,297	1,368	
	Heating (Average climate)	Energy efficiency class		A			-			A	
		Pdesign	kW	4.50	6.00		7.80		6.00		7.80
SCOP/A			3.90	3.91	3.83	3.81	3.91	3.83	3.81		
Annual energy consumption		kWh	1,616	2,148	2,193	2,866	2,148	2,193	2,866		
Indoor unit		FHA		71A	100A	125A	140A	100A	125A	140A	
Dimensions	Unit	HeightxWidthxDepth	mm	235x1,270x690			235x1,590x690				
Weight	Unit		kg	32.0			38.0				
Air filter	Type			Resin net							
Fan	Air flow rate	Cooling	Low/Medium/High	m <sup>3</sup> /min	14.0/17.0/20.5	20.0/24.0/28.0	23.0/27.0/31.0	24.0/29.0/34.0	20.0/24.0/28.0	23.0/27.0/31.0	24.0/29.0/34.0
		Heating	Low/Medium/High	m <sup>3</sup> /min	14.0/17.0/20.5	20.0/24.0/28.0	23.0/27.0/31.0	24.0/29.0/34.0	20.0/24.0/28.0	23.0/27.0/31.0	24.0/29.0/34.0
Sound power level	Cooling			dB(A)	55	60	62	64	60	62	64
Sound pressure level	Cooling	Low/High		dB(A)	34/38	34/42	37/44	38/46	34/42	37/44	38/46
	Heating	Nom./High		dB(A)	36/38	38/42	41/44	42/46	38/42	41/44	42/46
Control systems	Infrared remote control			BRC7GA53 / BRC7GA56							
	Wired remote control			BRC1E53A7 / BRC1E53B7 / BRC1E53C7 / BRC1D528 / BRC1E51A7							
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/220-240							
Outdoor unit		RZASG		71MV1	100MV1	125MV1	140MV1	100MY1	125MY1	140MY1	
Dimensions	Unit	HeightxWidthxDepth	mm	770x900x320			990x940x320				
Weight	Unit		kg	60			70	78	70	77	
Sound power level	Cooling			dB(A)	65	70	71	73	70	71	73
Sound pressure level	Cooling	Nom.		dB(A)	46	53		54	53		54
	Heating	Nom.		dB(A)	47	57					
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-15~46						
	Heating	Ambient	Min.~Max.	°CWB	-15~15.5						
Refrigerant	Type/GWP			R-32/675							
	Charge		kg/TCO2Eq	2.45/1.65	2.60/1.76		2.90/1.96	2.60/1.76		2.90/1.96	
Piping connections	Liquid/Gas		mm	9,52/15.9							
	Piping length	OU - IU	Max.	m	50						
		System	Equivalent	m	70						
	Chargeless		m	30							
	Additional refrigerant charge		kg/m	See installation manual							
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/220-240				3~/50/380-415			
	Current - 50Hz		Maximum fuse amps (MFA)	A	20	25	32	16			

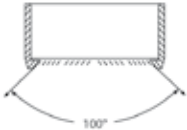
(1) EER/COP according to Eurovent 2012, for use outside EU only

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



- › Ideal for comfortable air flow in wide rooms thanks to Coanda effect: up to 100° discharge angle
- › Even rooms with ceilings up to 3.8m can be heated up or cooled down very easily without capacity loss
- › Can easily be installed in both new and refurbishment projects
- › Unified indoor unit range for R-32 and R-410A
- › Combining with R-32 Bluevolution technology, reduces environmental impact with 68% compared to R-410A, leads directly to lower energy consumption thanks to its high energy efficiency and has up to lower 16% refrigerant charge



**NEW**

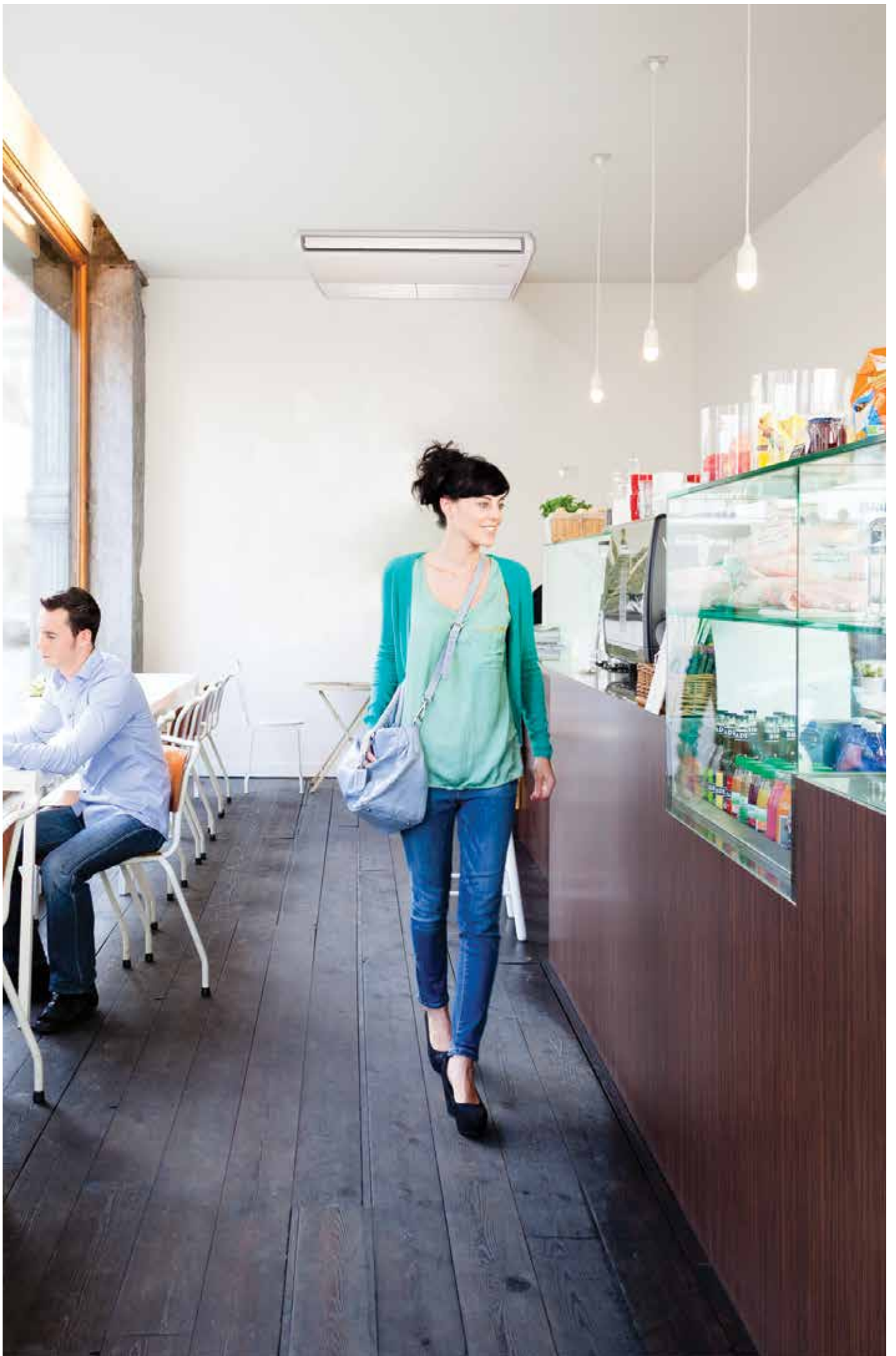
Online controller connection



Efficiency data		FHA + RXM		35A + 35M9		50A + 50M9		60A + 60M9			
Cooling capacity	Nom.	kW		3.40		5.00		5.70			
Heating capacity	Nom.	kW		4.00		6.00		7.20			
Power input	Cooling	Nom.	kW	0.91		1.56		1.73			
	Heating	Nom.	kW	0.98		1.79		2.17			
Seasonal efficiency (according to EN14825)	Cooling	Energy efficiency class		A++		A+					
		Pdesign	kW	3.40		5.00		5.70			
		SEER		6.24		5.92		6.08			
	Heating (Average climate)	Annual energy consumption		kWh		191		295		328	
		Energy efficiency class		A+		A					
		Pdesign	kW	3.10		4.35		4.71			
	SCOP/A			4.43		3.86		3.87			
	Annual energy consumption		kWh	979		1,578		1,704			
Indoor unit		FHA		35A		50A		60A			
Dimensions	Unit	HeightxWidthxDepth		mm		235x960x690		235x1,270x690			
Weight	Unit	kg		24.0		25.0		31.0			
Air filter	Type	Resin net									
Fan	Air flow rate	Cooling	Low/Medium/High	m <sup>3</sup> /min	10.0/11.5/14.0		10.0/12.0/15.0		11.5/15.0/19.5		
		Heating	Low/Medium/High	m <sup>3</sup> /min	10.0/11.5/14.0		10.0/12.0/15.0		11.5/15.0/19.5		
Sound power level	Cooling	dBA		53		54					
Sound pressure level	Cooling	Low/High	dBA	31/36		32/37		33/37			
	Heating	Nom./High	dBA	34/36		35/37					
Control systems	Infrared remote control				BRC7GA53 / BRC7GA56						
	Wired remote control				BRC1E53A7 / BRC1E53B7 / BRC1E53C7 / BRC1D528 / BRC1E51A7						
Power supply	Phase/Frequency/Voltage		Hz/V		1~/50/220-240						
Outdoor unit		RXM		35M9		50M9		60M9			
Dimensions	Unit	HeightxWidthxDepth		mm		550x765x285		735x825x300			
Weight	Unit	kg		32		47					
Sound power level	Cooling	dBA		61		62		63			
	Heating	dBA		61		62		63			
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~46						
	Heating	Ambient	Min.~Max.	°CWB	-15~18						
Refrigerant	Type		R-32								
	GWP		675.0								
	Charge		kg/CO <sub>2</sub> Eq		0.76/0.52		1.40/0.95		1.45/0.98		
Piping connections	Liquid	OD	mm		6,35		6,4				
	Gas	OD	mm		9,50		12,7				
	Piping length		OU - IU	Max.	m	20,0		30			
	Additional refrigerant charge		kg/m		0.02 (for piping length exceeding 10m)						
	Level difference		IU - OU	Max.	m	20,0					
Power supply	Phase/Frequency/Voltage		Hz/V		1~/50/220-240						
Current - 50Hz	Maximum fuse amps (MFA)		A		10		15				

(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.

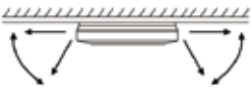




# 4-way blow ceiling suspended unit

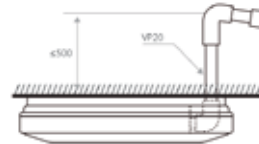
Unique Daikin unit for high rooms with no false ceilings nor free floor space

- > Combination with Sky Air Alpha-series ensures best in class quality, highest efficiency and performance
- > Even rooms with ceilings up to 3.5m can be heated up or cooled down very easily without capacity loss
- > Can easily be installed in both new and refurbishment projects
- > Unified indoor unit can be combined with R-32 and R-410A outdoor units, simplifying stock
- > Combining with R-32 Bluevolution technology, reduces environmental impact with 68% compared to R-410A, leads directly to lower energy consumption thanks to its high energy efficiency and has up to lower 16% refrigerant charge
- > Individual flap control: flexibility to suit every room layout without changing the location of the unit!
- > Stylish modern casing finished in pure white (RAL9010) and iron grey (RAL7011) blends easily with any interior
- > Optimum comfort guaranteed with automatic air flow adjustment to the required load
- > 5 different discharge angles between 0 and 60° can be programmed via the remote control



Online controller connection

- > Standard drain pump with 500mm lift increases flexibility and installation speed



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		
Seasonal efficiency (according to EN14825)	Cooling	Energy efficiency class	A++		-	A++		-		
		Pdesign	kW	6.80	9.50	12.1	6.80	9.50	12.1	
		SEER		7.02	6.42	6.39	7.02	6.42	6.39	
		Annual energy consumption	kWh	339	518	1,136	339	518	1,136	
		Heating (Average climate)	Energy efficiency class	A+		-	A+		-	
Pdesign	kW		4.70	7.80	9.52	4.70	7.80	9.52		
SCOP/A			4.20	4.50	4.26	4.20	4.50	4.26		
Annual energy consumption	kWh		1,567	2,427	3,129	1,567	2,427	3,129		
Indoor unit		FUA	71A	100A	125A	71A	100A	125A		
Dimensions	Unit	HeightxWidthxDepth	198x950x950							
Weight	Unit	kg	25.0	26.0		25.0	26.0			
Air filter	Type	Resin net								
Fan	Air flow rate	Cooling	Low/Medium/High	m <sup>3</sup> /min	16.0/19.5/23.0	20.0/25.5/31.0	20.5/26.5/32.5	16.0/19.5/23.0	20.0/25.5/31.0	20.5/26.5/32.5
		Heating	Low/Medium/High	m <sup>3</sup> /min	16.0/19.5/23.0	20.0/25.5/31.0	20.5/26.5/32.5	16.0/19.5/23.0	20.0/25.5/31.0	20.5/26.5/32.5
Sound power level	Cooling			dBA	59	64	65	59	64	65
	Heating			dBA	59	64	65	59	64	65
Sound pressure level	Cooling	Low/High		dBA	35/41	39/46	40/47	35/41	39/46	40/47
	Heating	Low/High		dBA	35/41	39/46	40/47	35/41	39/46	40/47
Power supply	Phase/Frequency/Voltage	Hz/V	-/-/-							
Outdoor unit		RZAG	71MV1	100MV1	125MV1	71MY1	100MY1	125MY1		
Dimensions	Unit	HeightxWidthxDepth	990x940x320	1,430x940x320		990x940x320	1,430x940x320			
Weight	Unit	kg	70	92		70	92			
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	Ambient	Min.~Max.	°CDB	-20~52					
	Heating	Ambient	Min.~Max.	°CWB	-20~18.0					
Refrigerant	Type/GWP	R-32/675								
	Charge	kg/TCO <sub>2</sub> Eq	2.95/1.99	3.75/2.53		2.95/1.99	3.75/2.53			
Piping connections	Liquid/Gas	mm	9,52/15.9							
	Piping length	OU - IU	Max.	m	55	85		55	85	
		System	Equivalent	m	75	100		75	100	
		Chargeless	m	40						
		Additional refrigerant charge	kg/m	See installation manual						
	Level difference	IU - OU	Max.	m	30.0					
Power supply	Phase/Frequency/Voltage	Hz/V	1~/50/220-240				3~/50/380-415			
Current - 50Hz	Maximum fuse amps (MFA)	A	20	32		16				

(1) 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.





# 4-way blow ceiling suspended unit

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

- › Combination with Sky Air Advance-series ensures good value for money for all types of commercial applications
- › Even rooms with ceilings up to 3.5m can be heated up or cooled down very easily without capacity loss
- › Can easily be installed in both new and refurbishment projects
- › Unified indoor unit can be combined with R-32 and R-410A outdoor units, simplifying stock
- › Combining with R-32 Blueevolution technology, reduces environmental impact with 68% compared to R-410A, leads directly to lower energy consumption thanks to its high energy efficiency and has up to lower 16% refrigerant charge
- › Individual flap control: flexibility to suit every room layout without changing the location of the unit!
- › Stylish modern casing finished in pure white (RAL9010) and iron grey (RAL7011) blends easily with any interior



NEW



Online controller connection

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		
Seasonal efficiency (according to EN14825)	Cooling	Energy efficiency class	A++	A+	-	A+	-		
		Pdesign	kW	6.80	9.50	12.1	9.50	12.1	
		SEER		6.16	5.83	5.27	5.83	5.27	
		Annual energy consumption	kWh	386	570	1,378	570	1,378	
		Heating (Average climate)	Energy efficiency class	A	A+	-	A+	-	
		Pdesign	kW	4.50		6.00			
		SCOP/A		3.90		3.84			
		Annual energy consumption	kWh	1,615	2,095	2,188	2,095		
Annual energy consumption		kWh	1,615	2,095	2,188	2,095	2,188		
Indoor unit		FUA	71A	100A	125A	100A	125A		
Dimensions	Unit	HeightxWidthxDepth	mm				198x950x950		
Weight	Unit		kg	25.0	26.0				
Air filter	Type		Resin net						
Fan	Air flow rate	Cooling	Low/Medium/High	m <sup>3</sup> /min	16.0/19.5/23.0	20.0/25.5/31.0	20.5/26.5/32.5	20.0/25.5/31.0	20.5/26.5/32.5
		Heating	Low/Medium/High	m <sup>3</sup> /min	16.0/19.5/23.0	20.0/25.5/31.0	20.5/26.5/32.5	20.0/25.5/31.0	20.5/26.5/32.5
Sound power level	Cooling			dBA	59	64	65	64	65
	Heating			dBA	59	64	65	64	65
Sound pressure level	Cooling	Low/High		dBA	35/41	39/46	40/47	39/46	40/47
	Heating	Low/High		dBA	35/41	39/46	40/47	39/46	40/47
Power supply	Phase/Frequency/Voltage		Hz/V	-/-/-					
Outdoor unit		RZASG	71MV1	100MV1	125MV1	100MY1	125MY1		
Dimensions	Unit	HeightxWidthxDepth	mm		770x900x320			990x940x320	
Weight	Unit		kg	60	70				
Sound power level	Cooling			dBA	65	70	71	70	71
Sound pressure level	Cooling	Nom.		dBA	46	53			
	Heating	Nom.		dBA	47	57			
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-15~46				
	Heating	Ambient	Min.~Max.	°CWB	-15~15.5				
Refrigerant	Type/GWP			R-32/675					
Piping connections	Charge		kg/TCO <sub>2</sub> Eq	2.45/1.65	2.60/1.76				
	Liquid/Gas		mm	9,52/15.9					
Piping length	OU - IU	Max.	m	50					
			m	70					
	System	Equivalent	m	30					
			Chargeless	m	30				
Additional refrigerant charge		kg/m	See installation manual						
Level difference	IU - OU	Max.	m	30.0					
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/220-240			3~/50/380-415		
Current - 50Hz	Maximum fuse amps (MFA)	A		20	25	32	16		

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

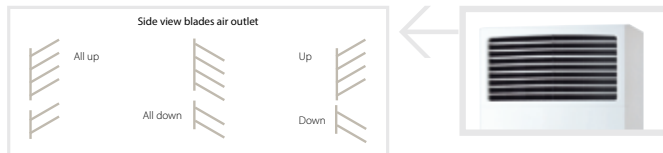
(2) MFA is used to select the circuit breaker and the ground fault circuit interrupter (earth leakage circuit breaker). For more detailed information on each combination, please refer to the electrical data drawing.

# Floor standing unit

For commercial spaces with high ceilings

Combination with Sky Air 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.



Online controller connection

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	
Seasonal efficiency (according to EN14825)	Cooling	Energy efficiency class	A++		A+		A++		A+		
		Pdesign	kW	6,80	9,50	12,1	13,4	6,80	9,50	12,1	13,4
		SEER		6,37	6,00	6,41	6,12	6,37	6,00	6,41	6,12
	Heating (Average climate)	Annual energy consumption	kWh	374	554	1133	1314	374	554	1133	1314
		Energy efficiency class		A+		-		A+		-	
		Pdesign	kW	4,70	7,80	9,52	9,52	4,70	7,80	9,52	9,52
	SCOP/A		4,05	4,20	4,15	3,94	4,05	4,20	4,15	3,94	
	Annual energy consumption	kWh	1625	2600	3209	3383	1625	2600	3209	3383	

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	m³/min	18/14	28/22	28/24	30/26	18/14	28/22	28/24	30/26
	Heating	High/Low	m³/min	18/14	28/22	28/24	30/26	18/14	28/22	28/24	30/26
Sound power level	Cooling	Nom.	dBA	55	62	63	65	55	62	63	65
	Heating	Nom.	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		990x940x320		1,430x940x320		
Weight	Unit	kg	70		92		70		92		
Sound power level	Cooling	Nom.	dBA	64	66	69	73	65	66	69	70
Sound pressure level	Cooling	Nom.	dBA	46	47	50	54	46	47	50	51
	Heating	Nom.	dBA	49	51	52	57	49	51	52	
Operation range	Cooling	Ambient	Min.~Max.	°CDB -20~-52		-15~-46		-20~-52			
	Heating	Ambient	Min.~Max.	°CWB -20~-18.0		-15~-15.5		-20~-18.0			
Refrigerant	Type/GWP		R-32/675								
	Charge	kg/TCO2Eq	2.95/1.99		3.75/2.53		2.90/1.96		2.95/1.99		
Piping connections	Liquid/Gas	mm	9,52/15,9								
	Piping length	OU - IU	Max.	m 55		85		50		55	
		System	Equivalent	m 75		100		70		75	
		Chargeless	m	40		30		40			
		Additional refrigerant charge	kg/m	See installation manual							
	Level difference	IU - OU	Max.	m 30.0							
Power supply	Phase/Frequency/Voltage	Hz/V	1~/50/220-240				3~/50/380-415				
Current - 50Hz	Maximum fuse amps (MFA)	A	20		32		16				

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

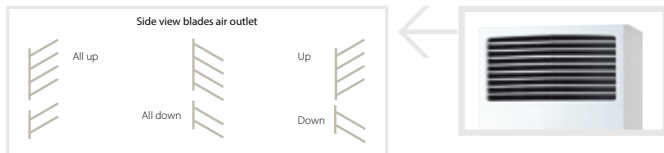
(2) MFA is used to select the circuit breaker and the ground fault circuit interrupter (earth leakage circuit breaker). For more detailed information on each combination, please refer to the electrical data drawing.

# Floor standing unit

For commercial spaces with high ceilings

Combination with Sky Air 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 + 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+		-	
		Pdesign	kW	6,80	9,50	12,1	13,4	9,50	12,1	13,4	
		SEER		5,83	5,72	5,30	5,63	5,72	5,30	5,63	
	Heating (Average climate)	Annual energy consumption	kWh	408	581	1370	1428	581	1370	1428	
		Energy efficiency class		A+		-		A		-	
		Pdesign	kW	4,50	6,00	6,00	7,80	6,00	6,00	7,80	
Nominal efficiency	EER	SCOP/A		4,04	3,83	3,64	3,81	3,83	3,64	3,81	
		Annual energy consumption	kWh	4,04	3,83	3,64	3,81	3,83	3,64	3,81	
	COP	EER		3,21	3,37	2,81	3,16	3,37	2,81	3,16	
		Annual energy consumption	kWh	1559	2193	2308	2866	2193	2308	2866	
	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	m³/min	18/14	28/22	28/24	30/26	28/22	28/24	30/26
	Heating	High/Low	m³/min	18/14	28/22	28/24	30/26	28/22	28/24	30/26
Sound power level	Cooling	Nom.	dB(A)	55	62	63	65	62	63	65
	Heating	Nom.	dB(A)	55	62	63	65	62	63	65
Sound pressure level	Cooling	High/Low	dB(A)	43/38	50/44	51/46	53/48	50/44	51/46	53/48
	Heating	High/Low	dB(A)	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			
Weight	Unit		kg	60			70		77	
Sound power level	Cooling	Nom.	dB(A)	65		70		71		73
	Heating	Nom.	dB(A)	46		53		54		54
Operation range	Cooling	Ambient	Min.~Max.	°CDB		-15~46				
	Heating	Ambient	Min.~Max.	°CWB		-15~15.5				
Refrigerant	Type/GWP			R-32/675						
	Charge	kg/TCO2Eq		2.45/1.65		2.60/1.76		2.90/1.96		2.60/1.76
Piping connections	Liquid/Gas		mm	9,52/15,9						
	Piping length	OU - IU	Max.	m						
		System	Equivalent	m						
		Chargeless		m						
	Additional refrigerant charge		kg/m	See installation manual						
Power supply	Level difference	IU - OU	Max.	m						
	Phase/Frequency/Voltage		Hz/V	1~/50/220-240				3~/50/380-415		
Current - 50Hz	Maximum fuse amps (MFA)		A	20		25		32		16

(1) 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 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 design: 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



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	0,68	1,10	1,48	2,22
	Heating	Nom.	kW	0,80	1,15	1,74	2,25
Seasonal efficiency (according to EN14825)	Cooling	Energy efficiency class		A+			
		Pdesign	kW	2,60	3,40	5,00	6,00
		SEER		5,68	5,70	5,77	5,56
	Heating (Average climate)	Annual energy consumption	kWh	160	209	303	378
		Energy efficiency class		A+			
		Pdesign	kW	2,80	2,90	4,00	4,60
Nominal efficiency	EER	SCOP/A		4,24	4,05	4,09	4,16
		Annual energy consumption	kWh	924	1002	1369	1547
	COP			3,80	3,09	3,38	2,70
				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	HeightxWidthxDpeth	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 <sup>3</sup> /min	8.7/7.3			16.0/13.5	
	Heating	High/Low	m <sup>3</sup> /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	HeightxWidthxDpeth	mm	550x765x285			735x825x300		
Weight	Unit		kg	32			47		
Sound power level	Cooling		dBA	59	61	62	63		
	Heating		dBA	59	61	62	63		
Sound pressure level	Cooling	Low/High	dBA	46/-	49/-	48/44	49/45		
	Heating	Low/High	dBA	47/-	49/-				
Operation range	Cooling	Ambient	Min.~Max.	°CDB		-10~46			
	Heating	Ambient	Min.~Max.	°CWB		-15~18			
Refrigerant	Type			R-32					
	GWP			675.0					
Piping connections	Charge		kg/TCO2Eq	0.76/0.52			1.40/0.95		
	Liquid	OD	mm	6,35			6,4		
		Gas	OD	mm	9,50			12,7	
	Piping length	OU - IU	Max.	m	20,0			30	
		System	Chargeless	m	10,0			-	
	Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 10m)				
Level difference	IU - OU	Max.	m	20,0					
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/220-240					
Current - 50Hz	Maximum fuse amps (MFA)		A	10			15		

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

(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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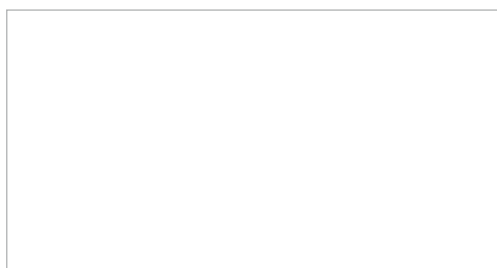
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