



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





# Why choose **Sky Air** A-series

# Geared for comfort & Variable Refrigerant Temperature



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

## Great design flexibility, making planning easier

- **▼** More compact
- **✓** Quieter
- ▼ Extended operating range in all climate conditions

## Help is at hand, installer benefits

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

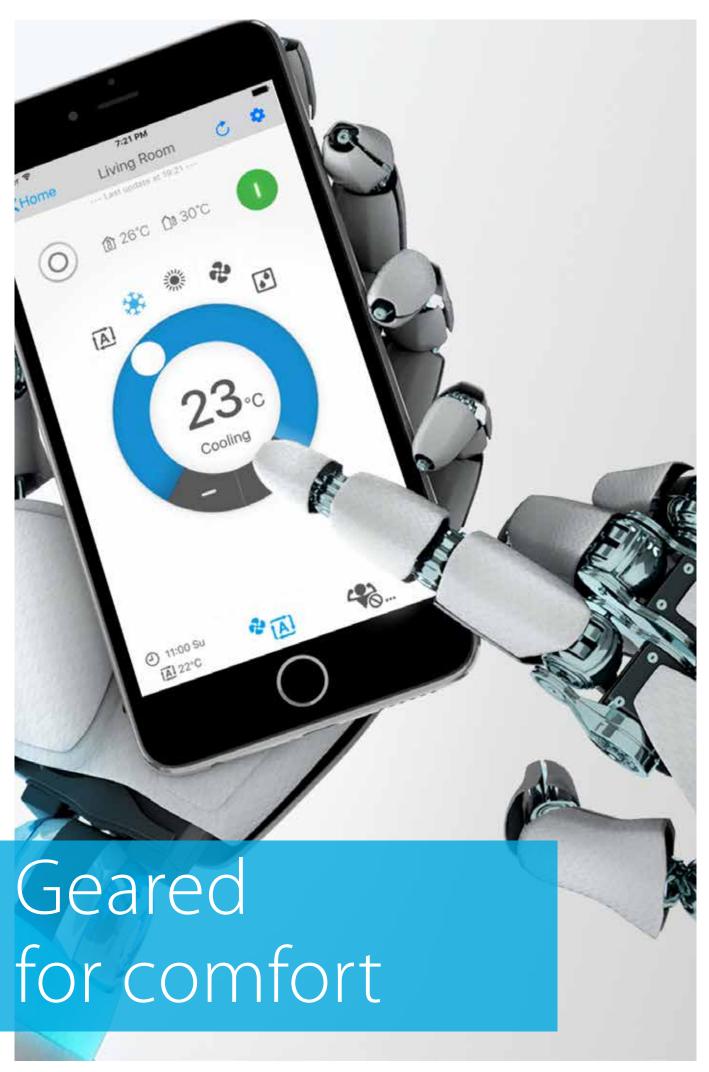
## Daikin at the heart of the system

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

### **BLUEVOLUTION**

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

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



## Achieving the lowest

# environmental impact

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

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





BLUEVOLUTION



## Unrivalled comfort

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

- > Eliminates cold drafts
- > Weather dependent setting

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



- > Intelligent sensors and Variable Refrigerant Temperature avoid cold draughts and ensure energy is used efficiently
- > Near silence operation thanks to quiet mode







## ✓ App Control

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



#### Online Controller



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



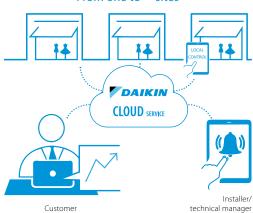
> IFTTT is a solution that connects compatible 3rd party products and services (smart meters, lights, thermostats, ...), so they work best for you.

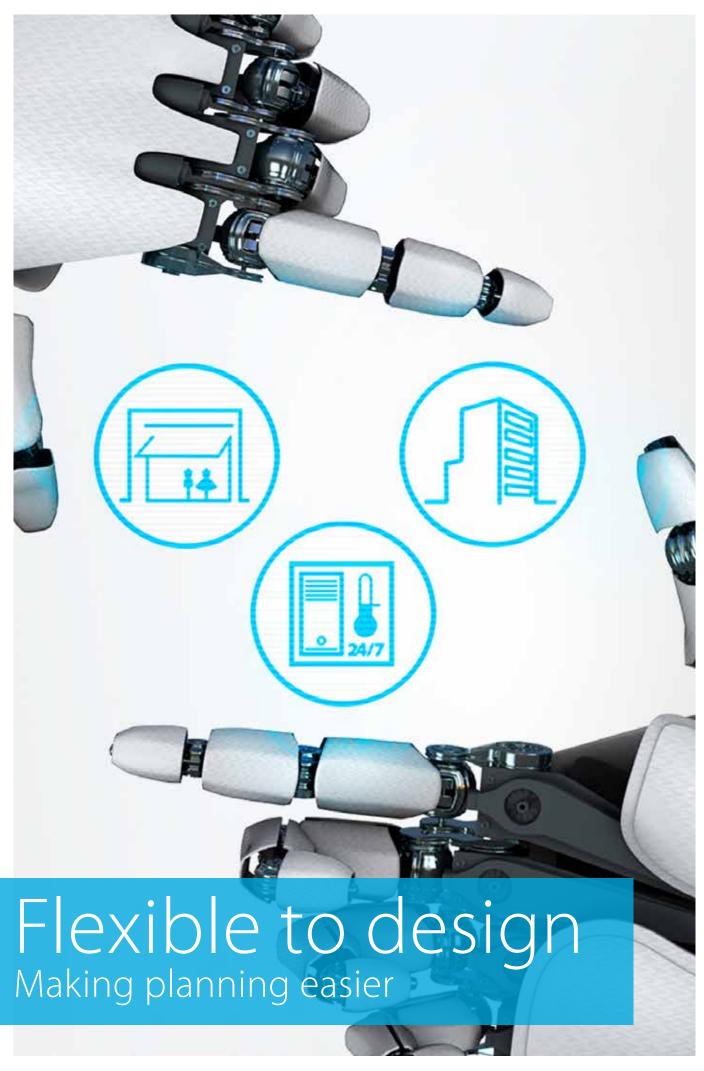




- > User-friendly touch screen to centrally control your A/C and alarms
- > Connects to the Daikin Cloud Service
- > Built for multi-site control and monitoring
- > Installers and technical managers receive alarm so they can provide remote assistance

#### From one to ∞ sites





# The new Sky Air A-series,

built for any Sky Air application

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



Full range below 1m in height!





## 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

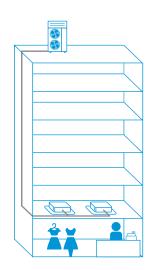


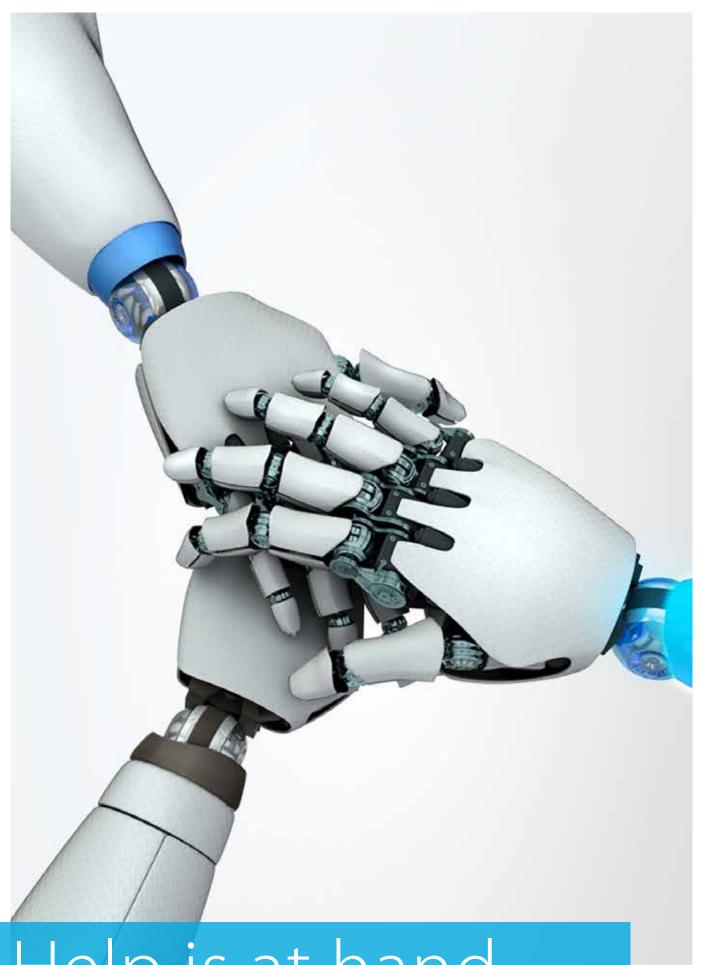


- Increased piping length up to 85m
- **✓** Widest operation range
  - > Cooling operation from -20°C to 52°C
  - > Heating operation down to -20°C









Help is at hand

# Benefits

# for installers



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



Redesigned pivoting front plate for easy access to vital system components



New 7-segment display to view errors and systems settings



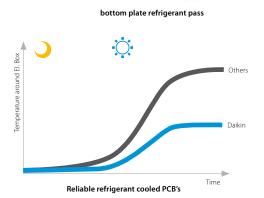
Guaranteed reliable performance in all weather conditions, so installers can expect fewer call-outs to site



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.

> Refrigerant cooled PCB's

Reliable and stable cooling, independent from outdoor conditions



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



# A future-proof solution,

Daikin Sky Air A-series uses patented

Daikin technology at the heart of the system

## 3-row heat exchanger

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







# Refrigerant cooled PCB

## Jigsaw curved propeller



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

# Daikin swing compressor



## R-32

Integration of main moving parts into one component

- > No abrasion
- > No refrigerant leakages
- > High compressor efficiencies
- > Increased system life span





## Bottom plate and heat exchanger refrigerant pass



Drain holes are kept ice free



# The three new leaders



# Outdoor units products overview



## Pair and/or twin, triple, double twin applications

System	Type	Model		Availability	Product name	PG	71	100	125	140
							6.8 kW	9.5 kW	12.1 kW	13.4 kW
		Sky/iir Alpha-series  - Industry leading technology for commercial applications  - Dedicated solution for infrastructure cooling  - Variable Refrigerant Temperature  - Maximum piping length up to 85m	<b>R-32</b> A**		RZAG-MV1	15	9	0	0	0
		Replacement technology     Extended operation range down to -20°C in both heating and cooling     Pair, twin, triple and double twin application		June '17	RZAG-MY1	15		0	0	0
Air	Heat	Sky/iir Advance-series  - Technology and comfort combined for commercial applications  - Very compact and easy to install outdoor units  - Maximum piping length up to 50m	<b>R-32</b> A <sup>+</sup>		RZASG-MV1	16	0	0	0	
cooled	pump	- Replacement technology - Operation range down to -15°C both cooling and in heating - Pair, twin, triple and double twin application		July '17	RZASG-MY1	16				
		Sky/ir Active-series - Ideal solution for busy environments and small shops - Very compact and easy to install outdoor units - Maximum piping length up to 30m	<b>R-32</b>	July 47	AZAS-MV1	17	0	0	O	
		Replacement technology     Easy-to-mount outdoor units: roof, terrace or wall     Outdoor units with swing or scroll compressor     Exclusively offered for pair applications		July '17	AZAS-MY1	17		0	O.	

V	iain benei	ît overview	Sky ir Alpha-series	Sky/iir Advance-series	<b>Sky/ir</b> Active-series
			RZAG-MV1 / MY1	RZASG-MV1 / MY1	AZAS-MV1 / MY1
JS	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+	А
<u>e</u>	Inverter technology	In combination with inverter controlled outdoor units	•	•	•
We care icons	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!	•	•	•
	120				
101	Night quiet	Lowers the operation sound of the outdoor unit automatically.	•	•	•
Comfort	Auto cooling-heating changeover	Automatically selects cooling or heating mode to achieve the set temperature.	•	•	•
	Variable refrigeration	The intelligent systems ensures highest energy savings with additional comfort to better suit application requirements.	•		
ctions	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.	•	•	
Other functions	Swing compressor	Outdoor units are fitted with a swing compressor, renowned for its low noise and high reliability	•	•	•
<del>S</del>	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.	•		

85 m

50 m

•

•

Compact single fan casing Increased piping possibility

New frontplate design

Refrigerant cooled PCB's

Intelligent Tablet controller - Online controller app

7 segment display
Increased factory charge
Integrated leak check
Refrigerant bottom plate pass
Refrigerant HEX pass
Swing compressor on R-32

30 m



## **R-32**



## **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





#### Comfort cooling combination table

				FCAHG-G					FCAG-A					FFA-A		FDA-A		FDXM-F3					FBA-A							FHA-A				FAA-A			FUA-A			FNA-A			5	<b>1-4∨</b>	
capaci	ity class	71	10	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 1	40 7	1 10	00 7	1 1	00 1	25	35	50	60	71	100	125	140
RZAG71MV1	RZAG71MY1					2			Р				2				2			2			Р				2			Р			F	)	F	)			2			Р			
RZAG100MV1	RZAG100MY1		Р			3	2			Р			3	2			3	2		3	2			Р			3	2			Р			F			P		3	2			Р		
RZAG125MV1	RZAG125MY1			Р		4	3	2			Р		4	3	2	Р	4	3	2	4	3	2			Р		4	3	2			Р						Р	4	3	2			Р	
RZAG140MV1	RZAG140MY1	2			Р	4	3		2			Р	4	3			4	3		4	3		2			Р	4	3		2			P 2	2	2	2			4	3					Р

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

### Infrastructure cooling combination table

	24/7		FAA-A				FHA-A							FBA-A					FDXM-F3			FUA-A				FVA-A			FFA-A				PCAHG-G					FCAG-A			
capaci	ty class	71	100	35	50	60	71	100	125	140	35	50	60	71	100	125	140	35	50	60	71	100	125	71	100	125	140	35	50	60	71	100	125	140	35	50	60	71	100	125	140
RZAG71MV1	RZAG71MY1		Р	3	2			Р			3	2			Р			3	2			Р			Р			3	2			Р			3	2			Р		
RZAG100MV1	RZAG100MY1	2		4	3		2			Р	4	3		2			Р	4	3		2						Р	4	3		2			Р	4	3		2			Р
RZAG125MV1	RZAG125MY1	2		4	3		2			Р	4	3		2			Р	4	3		2						Р	4	3		2			Р	4	3		2			Р
RZAG140MV1	RZAG140MY1	2		4	3		2			Р	4	3		2			Р	4	3		2						Р	4	3		2			Р	4	3		2			Р

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

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







RZAG-MY1

Outdoor unit				RZAG	71MV1	100MV1	125MV1	140MV1	71MY1	100MY1	125MY1	140MY1
Dimensions	Unit	HeightxWi	dthxDepth	mm	990x940x320	1,430x940x320	1,430x940x320	1,430x940x320	990x940x320	1,430x940x320	1,430x940x320	1,430x940x320
Weight	Unit			kg	71	93	93	93	72	93	93	93
Sound power level	Cooling			dBA	64	66	69	70	65	66	69	70
Sound pressure level	Cooling	Nom.		dBA	46	47	50	51	46	47	50	51
	Heating	Nom.		dBA	49	51	52	52	49	51	52	52
Operation range	Cooling		Min.~Max.	°CDB				-20-	-52			
	Heating		Min.~Max.	°CWB				-20	~18			
Refrigerant	Туре							R-	32			
	Charge			kg	2,95	3,75	3,75	3,75	2,95	3,75	3,75	3,75
				TCO₂eq	1,99	2,53	2,53	2,53	1,99	2,53	2,53	2,53
	GWP							67	75			
Piping connections	Piping length	OU - IU	Max.	m	55	85	85	85	55	85	85	85
		System	Chargeless	m				4	0			
Power supply	Phase / Frequency	y / Voltage		Hz/V		1~/50/2	20-240			3N~/50/	380-415	

## R-32



## **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.



#### Pair, twin, triple and double twin application

				-	FCAG-	A				FFA-A		F	DXM-I	3				FBA-A	١		
capa	city class	35	50	60	71	100	125	140	35	50	60	35	50	60	35	50	60	71	100	125	140
RZASG71MV1		2			Р				2			2			2			Р			
RZASG100MV1	RZASG100MY1	3	2			Р			3	2		3	2		3	2			Р		
RZASG125MV1	RZASG125MY1	4	3	2			Р		4	3	2	4	3	2	4	3	2			Р	
RZASG140MV1	RZASG140MY1	4	3		2			Р	4	3		4	3		4	3		2			Р

		FDA-A				FHA-A					FUA-A		FA	A-A		FV	A-A			FNA-A	
capa	city class	125	35	50	60	71	100	125	140	100	125	140	71	100	71	100	125	140	35	50	60
RZASG71MV1			2			Р							Р		Р				2		
RZASG100MV1	RZASG100MY1		3	2			Р			Р				Р		Р			3	2	
RZASG125MV1	RZASG125MY1	Р	4	3	2			Р			Р						Р		4	3	2
RZASG140MV1	RZASG140MY1		4	3		2			Р			Р	2					Р	4	3	

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



RZASG-MV1



RZASG-MY1

Outdoor unit				RZASG	71MV1	100MV1	125MV1	140MV1	100MY1	125MY1	140MY1
Dimensions	Unit	HeightxWi	dthxDepth	mm	770x900x320	990x940x320	990x940x320	990x940x320	990x940x320	990x940x320	990x940x320
Weight	Unit			kg	67	73	74	81	74	74	81
Sound power level	Cooling			dBA	65	69	71	72	69	71	72
Sound pressure level	Cooling	Nom.		dBA	49	53	54	55	53	54	55
	Heating	Nom.		dBA	51	57	58	59	57	58	59
Operation range	Cooling		Min.~Max.	°CDB				-15~46			
	Heating		Min.~Max.	°CWB				-15~15,5			
Refrigerant	Туре							R-32			
	Charge			kg	2,45	2,6	2,6	2,9	2,6	2,6	2,9
				TCO₂eq	1,65	1,76	1,76	1,96	1,76	1,76	1,96
	GWP							675			
Piping connections	Piping length	OU - IU	Max.	m				50			
		System	Chargeless	m				30			
Power supply	Phase / Frequenc	y / Voltage		Hz/V		1~/50/2	220-240			3N~/50 / 380-415	



## 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







#### Pair application

1.1												
		FCA	G-A			FB	A-A			FA	A-A	
Capacity class	71	100	125	140	71	100	125	140	71	100	125	140
AZAS-MV1	Р	Р	Р	Р	Р	Р	Р	Р	Р	Р		
AZAS-MY1		Р	Р	Р		Р	Р	Р		Р		

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



AZAS-MV1



ZAS-MY1

Outdoor unit				AZAS	71MV1	100MV1	125MV1	140MV1	100MY1	125MY1	140MY1
Dimensions	Unit	HeightxW	idthxDepth	mm	770x900x320	990x940x320	990x940x320	990x940x320	990x940x320	990x940x320	990x940x320
Weight	Unit			kg	67	73	74	81	74	74	81
Sound power level	Cooling			dBA	65	70	71	72	70	71	72
Sound pressure level	Cooling	Nom.		dBA	49	53	54	55	53	54	55
	Heating	Nom.		dBA	51	57	58	59	57	58	59
Operation range	Cooling		Min.~Max.	°CDB				-5~46			
	Heating		Min.~Max	°CWB				-15~15,5			
Refrigerant	Туре							R-32			
	Charge			kg	2,45	2,6	2,6	2,9	2,6	2,6	2,9
				TCO₂eq	1,65	1,76	1,76	1,96	1,76	1,76	1,96
	GWP							675			
Piping connections	Piping length	OU - IU	Max.	m				30			
		System	Chargeless	m				30			
Power supply	Phase / Frequenc	y / Voltage		Hz/V		1~/50/2	220-240			3N~/50 / 380-415	

#### Indoor units

# Product overview

Туре	Availability	Model	Product name		PG	
	June '17	UNIQUE High COP, round flow cassette	FCAHG-G		25	
Ceiling mounted cassette	June '17	UNIQUE Round flow cassette	FCAG-A		26-29	
	June 17	UNIQUE Fully flat cassette	FFA-A	GERMAN SHEDIAL 2016	33	
	June '17	Slim concealed ceiling unit	FDXM-F3		36	
Concealed ceiling	June 17	Concealed ceiling unit with medium ESP	FBA-A		37-40	
	October '17	Concealed ceiling unit with high ESP	FDA-A		41	
Wall mounted	August '17	Wall mounted unit	FAA-A		42-44	
	August '17	Ceiling suspended unit	FHA-A		45-47	
Ceiling suspended	August '17	UNIQUE 4-way blow ceiling suspended unit	FUA-A		48-49	
	September '17	Floor standing unit	FVA-A		50-51	
Floor standing	September '17	Concealed floor standing unit	FNA-A		53	

# Full R-32 BLUEVOLUTION line up

Capacity class

	25	35	50	60	71	100	125	140	Sky Air Alpha- series	Sky Air Advance- series	Sky Air Active- series	
360° air discharge for the highest efficiency and comfort  - High COP cassette ensures top performance for commercial applications  - Auto cleaning function ensures high efficiency  - Intelligent sensors save energy and maximize comfort  - Flexibility to suit every room layout					•	•	•	•	✓			
360° air discharge for the highest efficiency and comfort  - Auto cleaning function ensures high efficiency  - Intelligent sensors save energy and maximize comfort  - Flexibility to suit every room layout  - Lowest installation height in the market  - 27~29 dB(A) on low fan speed		•	•	•	•	•	•	•	✓	<b>✓</b>	✓	
Unique design in the market that integrates fully flat into the ceiling  - Perfect integration in standard architectural ceiling tiles  - Blend of iconic design and engineering excellence with a white or silver and white finish  - Intelligent sensors save energy and maximize comfort  - Flexibility to suit every room layout without changing the location of the unit!  - Quietest 600 x 600 cassette on the market	•	•	•	•					✓	<b>✓</b>		
Slim design for flexible installation  - Compact dimensions enable installation in narrow ceiling voids  - Medium external static pressure up to 40Pa  - Small capacity unit developed for small of well insulated rooms  - Auto cleaning function ensures high efficiency and reliability		•	•	•	•	•	•	•	<b>√</b>	<b>✓</b>		NEW auto cleaning option
Slimmest yet most powerfull medium static pressure unit on the market! - Slimmest unit in class, only 245mm - Low operating sound level - Medium external static pressure up to 150Pa facilitates using flexible ducts of varying lengths - Automatic air flow adjustment function measures the air volume and static pressure and adjusts it towards the nominal air flow, guaranteeing comfort		•	•	•	•	•	•	•	✓	✓	✓	NEW Multi zoning option
ESP up to 200Pa, ideal for large sized buildings  - Discretely concealed in the ceiling: only the grilles are visible  - Possibility to change ESP via wired remote control allows optimisation of the supply air volume  - Flexible installation as the air suction direction can be altered from rear to bottom suction							•		<b>✓</b>	<b>✓</b>		
For rooms with no false ceilings nor free floor space  - The air is comfortably spread up- and downwards thanks to 5 different discharge angles  - Easy maintenance as this can be done from the front of the unit  - Easy to install: 100 class is 35% lighter than previous model  - Flexible to install: pipe connection can be bottom, left or right					•	•			<b>✓</b>	<b>✓</b>	<b>✓</b>	
For wide rooms with no false ceilings nor free floor space  - Ideal for comfortable air flow in wide rooms thanks to Coanda effect  - Even rooms with ceilings up to 3.8m can be heated up or cooled down very easily!  - Can be mounted in corners or narrow spaces without any problem		•	•	•	•	•	•	•	✓	<b>✓</b>		
Unique Daikin unit for high rooms with no false ceilings nor free floor space  - Even rooms with ceilings up to 3.5m can be heated up or cooled down very easily!  - Flexibility to suit every room layout without changing the location of the unit!  - Optimum comfort guaranteed with automatic air flow adjustment to the required load  - The air is comfortably spread up- and downwards thanks to 5 different discharge angles					•	•	•		✓	<b>✓</b>		_
For spaces with high ceilings - Ideal solution for commercial spaces with no or narrow false ceilings - Even rooms with very high ceilings can be heated up or cooled down very easily! - Guarantees a stable temperature - Vertical and horizontal outblow					•	•	•	•	✓	<b>✓</b>		
Designed to be concealed in walls, only grilles remain visible - Slimmest unit on the market with a depth of only 200mm! - Both window sill or ducted installation are possible thanks to sufficient ESP - Whisper quiet operation allows installation in any location	•	•	•	•					✓	<b>✓</b>		_

# Benefits overview **Sky/ir**

		*	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	Inverter technology	In combination with inverter controlled outdoor units
			Home leave operation	During absence, the indoor temperature can be maintained at a certain level.
	We care	3	Fan only	The air conditioner can be used as fan, blowing air without cooling or heating.
1	5	*	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.
Γ.	ב	2	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.
	Comfort		Whisper quiet	Daikin indoor units are whisper quiet. Also the outdoor units are guaranteed not to disturb the quiet of the neightbourhood.
		A	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.
	control	<b>Ø Ø</b> DRY	Dry programme	Allows humidity levels to be reduced without variations in room temperature.
			Ceiling soiling prevention	A special function prevents air blowing out too long in horizontal position, to prevent ceiling stains.
	MC	8	Vertical auto swing	Possibility to select automatic vertical moving of the air discharge louvre, for uniform air flow and temperature distribution.
	Alr flow	8	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.
	ımer	24/7	Weekly timer	Timer can be set to start operation anytime on a daily or weekly basis
	Kemote control & tim		Infrared remote control	Infrared remote control with LCD to start, stop and regulate the air conditioner from a distance.
	ote cor		Wired remote control	Wired remote control to start, stop and regulate the air conditioner from a distance.
	Kem	固	Centralised control	Centralised control to start, stop and regulate several air conditioners from one central point.
		4 2	Multi zoning NEW	Allows up to 6 individual climate zones with one indoor unit
_				
		24/7	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.
	SL	AUTO	Auto-restart	The unit restarts automatically at the original settings after power failure.
	Other functions		Self-diagnosis	Simplifies maintenance by indicating system faults or operating anomalies.
	ther to	~ J	Drain pump kit	Facilitates condensation draining from the indoor unit.
	S		Twin/triple/double twin application	2, 3 or 4 indoor units can be connected to only 1 outdoor unit even if they have different capacities. All indoor units operate within the same mode (cooling or heating) from one remote control.
			Multi model application	Up to 5 indoor units (even different capacities) can be connected to a single outdoor unit. All indoor units can individually be operated within the same mode.
_				

	Ceiling mounted cassette units	I	C	Concealed ceiling units	)	Ceiling suspended units	4-Way blow ceiling suspended unit	Wall mounted unit	stan	oor ding nits
FCAHG-G	FCAG-A	FFA-A	FDXM-F3	FBA-A	FDA-A	FHA-A	FUA-A	FAA-A	FVA-A	FNA-A
							M			
•	•	•		•	•	•	•	•	•	•
•	•	•		•	•	•	•	•	•	•
•	•	•		•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•	•	•
•	•		• NEW							
•	•	•								
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•	•	•					•			
•	•	•		•						
•	•	•		•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•	•	•
		I			I	I			Ī	
•	•	•	•	•	•	•	•	•	•	•
•	•	•								
5	5	3	3	3	3	3	5	3	3	2
			3		3	3			3	
•	•	•					•			
•	•	•	depending on controller	•	•	•	•	•	•	•
optional	optional	optional	optional	optional	optional	optional	optional	optional		optional
optional	optional	optional	optional	optional	optional	optional	optional	optional	optional	optional
optional	optional	optional	optional	optional	optional	optional	optional	optional	optional	optional
			• NEW	• NEW						
•	•	•		•		•	•	•	•	
•	•	•	•	•	•	•	•	•	•	•
•	•	•	•	•	•	•	•	•	•	•
standard	standard	standard		standard	standard	optional	standard	optional		
•	•	•		•	•	•	•	•		•
	•	•	•	•		•				•



### FCAHG-G/FCAG-A

# Auto cleaning cassette

## More energy efficient and user-friendly than any other cassette

- Running costs are reduced
   by 50% compared with standard solutions
- > Automatic filter cleaning.
- Less time is required to maintain the filter: dust can be removed easily with a vacuum cleaner without opening the unit.

#### Finer mesh panel

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

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



## 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.





#### Coral shop, UK

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

Energy consumption 9000 Standard round Up to 50% savings 8000 flow cassette thanks to 7000 automated cleaning 6000 5000 Auto cleaning cassette 4000 3000 2000 1000 Dec. May Nov. Jan. Feb. March July April June

## Why choose a round flow cassette?

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



#### 360° air discharge for improved comfort

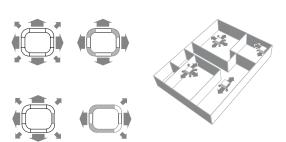
> Industry-first and proven design.

#### Intelligent sensors improve efficiency and comfort even more

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

### Benefits for the consultant

# Benefits for the end user Designed for use in all types and sizes of commercial offices

## Marketing tools

> Visit the website: https://www.daikin.eu/en\_us/product-group/round-flow-cassette.html



www.youtube.com/DaikinEurope









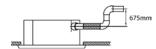
## High COP, round flow cassette

#### 360° air discharge for optimum efficiency and comfort

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

- > Unified range for R-32 and R-410A simplifying stock
- > High COP cassette ensures top performance, great savings in energy consumption and a comfortable environment for commercial applications
- > Lowest installation height in the market: 204mm for class 71
- > Individual flap control: flexibility to suit every room layout without changing the location of the unit!
- > Modern style decoration panel is available in 3 different variations: white (RAL9010) with grey louvers, full white (RAL9010) or auto cleaning panel
- > Automatic filter cleaning results in higher efficiency & comfort and lower maintenance costs. 2 filters available: standard filter and finer mesh filter (for fine dust applications e.g. clothing shops)

- Two optional intelligent sensors improve energy efficiency and comfort.
- No optional adapter needed for DIII-connection, link your unit into the wider building management system.
- Branch duct discharge allows to optimize air distribution in irregular shaped rooms or to supply air to small adjacent rooms
- Reduced energy consumption thanks to specially developed small tube heat exchanger, DC fan motor and drain pump
- > Optional fresh air intake
- Standard drain pump with 675mm lift increases flexibility and installation speed



Efficiency data			FCAH	G + RZAG	71A + 71LV1	100A + 100LV1	125A + 125LV1	140A + 140LV1	71A + 71LY1	100A + 100LY1	125A + 125LY1	140A + 140LY1	
Cooling capacity	Nom.			kW	6.80	9.5	12.1	13.4	6.80	9.5	12.1	13.4	
Heating capacity	Nom.			kW	7.50	10.8	13.5	15.5	7.50	10.8	13.5	15.5	
Power input	Cooling	Nom.		kW	-	-	-	-	-	-	-	-	
	Heating	Nom.		kW	-	-	-	-	-	-	-	-	
Seasonal efficiency	Cooling	Energy effi	iciency class		A++	A++	-	-	A++	A++	-	-	
(according to	-	Pdesign		kW	-	-	-	-	-	-	-	-	
EN14825)		SEER			7.72	7.35	-	-	7.72	7.35	-	-	
		Annual energy	y consumption	kWh	-	-	-	-	-	-	-	-	
	Heating (Average	Energy effi	iciency class		A++	A++	-	-	A++	A++	-	-	
	climate)	Pdesign		kW	_	_	_	_	_	_	_	_	
	,	SCOP/A			4.61	4.81	_	-	4.61	4.81	_	_	
			y consumption	kWh	-	-	_	_	-	-	_	_	
Nominal efficiency	EER	rumaar energ	y consumption		4.29	4.64	4.08	3.69	4.29	4.64	4.08	3.69	
rtorimiai emelericy	COP				5.04	5.04	4.49	4.12	5.04	5.04	4.49	4.12	
	Annual energy con	sumption		kWh	5.04	3.04	4.47	4.12	3.04	3.04	4.47	4.12	
	Energy labeling Directive	Cooling/H	onting.	KVVII	<del>-</del>	-	-	-	-	-	-	-	
	Energy labeling Directive	Cooling/n	eating									-	
Indoor unit			10.5.1	FCAHG	71G	100G	125G	140G	71G	100G	125G	140G	
Dimensions	Unit	HeightxWi	dthxDepth	mm				288x84					
Weight	Unit			kg	25		26		25		26		
Decoration panel	Model				BYCQ140DGF9 - auto cleaning panel with fine mesh filter / BYCQ140DG9 - auto cleaning panel / BYCQ140DW  - full white / BYCQ140D - white with grey louvers								
	Colour						- Iuli Will	Pure White		ey louvers			
	Dimensions	11-:	dthxDepth	mm			120 050 050			/50 050 050			
	Weight	neignixwi	ишхрерш				130X950X950	/ 130x950x950		/ 50X950X950			
Air filter				kg				10.3 / 10.3					
	Type	112 - 1-71 -		3/				Resin net with r					
Fan - Air flow rate	Cooling	High/Low		m³/min	21.2/12.2	32.3/19.0	33.5/19.9	33.5/21.1	21.2/12.2	32.3/19.0	33.5/19.9	33.5/21.1	
	Heating	High/Low		m³/min	21.2/12.2	32.3/19.0	33.5/19.9	33.5/21.1	21.2/12.2	32.3/19.0	33.5/19.9	33.5/21.1	
Sound power level	Cooling			dBA	53		61		53		61		
	Heating			dBA	53		61		53		61		
Sound pressure level	Cooling	High/Low		dBA	36/29	44/33	45/35	45/37	36/29	44/33	45/35	45/37	
	Heating	High/Low		dBA	36/29	44/33	45/35	45/37	36/29	44/33	45/35	45/37	
Refrigerant	Туре				R-32 / R-410A								
Control systems	Infrared remote co	ntrol						BRC7F.	A532F				
	Wired remote cont						BRC1D5	2 / BRC1E53A /	BRC1E53B / BF	RC1E53C			
Power supply	Phase / Frequency	/ Voltage		Hz/V				1~/50/	220-240				
Outdoor unit				RZAG	71MV1	100MV1	125MV1	140MV1	71MY1	100MY1	125MY1	140MY1	
Dimensions	Unit	HeightxWi	dthxDepth	mm	990x940x320	1,430x940x320	1,430x940x320	1,430x940x320	990x940x320	1,430x940x320	1,430x940x320	1,430x940x32	
Weight	Unit			kg	71	93	93	93	72	93	93	93	
Sound power level	Cooling			dBA	64	66	69	70	65	66	69	70	
Sound pressure level	Cooling	Nom.		dBA	46	47	50	51	46	47	50	51	
·	Heating	Nom.		dBA	49	51	52	52	49	51	52	52	
Operation range	Cooling		Min.~Max.	°CDB		J.	52	-20^			52	52	
.,	Heating		Min.~Max.	°CWB					~18				
Refrigerant	Type<<<<		mun	2.70				-20 R-:					
	Charge			kg	2,95	3,75	3,75	3,75	2,95	3,75	3,75	3,75	
	charge			TCO₂eq	1.99	2,53	2,53	2,53	1,99	2,53	2,53	2,53	
	GWP			rco <sub>2</sub> eq	1,99	2,33	2,33	2,53		2,33	2,33	2,33	
Piping connections	Piping length	OU - IU	Max.	m	55	85	85	85	55	85	85	85	
i iping confections	i iping lengtii				35	65	65			65	65	85	
Power supply	System Chargeless m												
	Phase / Frequency / Voltage Hz / Y												

<sup>\*</sup>Note: blue cells contain preliminary data

<sup>(1)</sup> 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

<sup>(3)</sup> 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.

<sup>(4)</sup> MFA is used to select the circuit breaker and the ground fault circuit interrupter (earth leakage circuit breaker). For more detailed information on each combination, please refer to the electrical data drawing





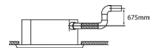
### Round flow cassette

#### 360° air discharge for optimum efficiency and comfort

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

- > Unified range for R-32 and R-410A simplifying stock
- > Lowest installation height in the market: 204mm for class 71
- Individual flap control: flexibility to suit every room layout without changing the location of the unit!
- > Modern style decoration panel is available in 3 different variations: white (RAL9010) with grey louvers, full white (RAL9010) or auto cleaning panel
- > Automatic filter cleaning results in higher efficiency & comfort and lower maintenance costs. 2 filters available: standard filter and finer mesh filter (for fine dust applications e.g. clothing shops)
- > Two optional intelligent sensors improve energy efficiency and comfort.

- No optional adapter needed for DIII-connection, link your unit into the wider building management system.
- > Branch duct discharge allows to optimize air distribution in irregular shaped rooms or to supply air to small adjacent rooms
- Reduced energy consumption thanks to specially developed small tube heat exchanger, DC fan motor and drain pump
- > Optional fresh air intake
- Standard drain pump with 675mm lift increases flexibility and installation speed



Efficiency data			FCA	G + RZAG	71A + 71MY1	100A + 100MY1	125A + 125MY1	140A + 140MY1	71A + 71MV1	100A + 100MV1	125A + 125MV1	140A + 140MV1
Cooling capacity	Nom.			kW	6.8	9.5	12.1	13.4	6.8	9.5	12.1	13.4
Heating capacity	Nom.			kW	7.5	10.8	13.5	15.5	7.5	10.8	13.5	15.5
Power input	Cooling	Nom.		kW	-	-	-	-	-	-	-	-
	Heating	Nom.		kW	-	-	-	-	-	-	-	-
Seasonal efficiency	Cooling	Energy effi	ciency class		A++	A++	-	-	A++	A++	-	-
(according to	-	Pdesign		kW	-	-	-	-	-	-	-	-
EN14825)		SEER			7.34	7.14	-	-	7.34	7.14	-	-
_		Annual energy	y consumption	kWh	-	-	-	-	-	-	-	-
<u></u>	Heating (Average		ciency class		A+	A++	-	-	A+	A++	-	-
	climate)	Pdesign		kW	-	-	-	-	-	-	-	-
		SCOP/A			4.20	4.61	-	-	4.20	4.61	-	-
		Annual energy	y consumption	kWh	_	-	-	-	-	-	-	-
Nominal efficiency	EER		, ,		3.43	4.06	3.79	3.37	3.43	4.06	3.79	3.37
,	COP				4.17	4.19	3.64	3.61	4.17	4.19	3.64	3.61
	Annual energy con	sumption		kWh		-	5.01	-	-	-	-	-
	Energy labeling Directive	Cooling/H	eating		-	_	_	_	_	_	_	_
Indoor unit	znergy rapeling price are	cooming, in	cuting	FCAG	71A	100A	125A	140A	71A	100A	125A	140A
Dimensions	Unit	HeightxWi	dthyDenth	mm	204x840x840	IUUA	246x840x840	1404	204x840x840	TOUA	246x840x840	140A
Weight	Unit	ricigiicx	анкосрин	kg	21		24		21		24	
Decoration panel	Model			ĸy		DCF0+l-				)CO+		CO140DW
Decoration panel	Model				BYCQ140I	DGF9 - auto cie		th line mesh lil te / BYCQ140D		G9 - auto clean	ing paner/ bro	LQ140DW
	Colour						- Iuli Willi	Pure White		ey louvers		
	Dimensions	HeightxWi	dthyDonth	mm			120050050			/ 50050050		
		Heightxwi	atnxDepth	mm			130X950X950	/ 130x950x950		/ 50X950X950		
Air filter	Weight			kg								
	Туре	112 - 1-71 -		3/	Resin net with mold resistance nin 15.0/9.1 22.8/12.4 26.0/12.4 15.0/9.1 22.8/12.4 26.0/12.							
Fan - Air flow rate	Cooling	High/Low		m³/min	15.0/9.1	22.8/12.4						
C	Heating	High/Low		m³/min	15.0/9.1	22.8/12.4	26.0/		15.0/9.1	22.8/12.4	26.0/	
Sound power level	Cooling			dBA	49	54	5		49	54	5	
C	Heating	112 - 1-71 -		dBA	49	54	5		49	54	5	
Sound pressure level	Cooling	High/Low		dBA	35/28	37/29	41/		33/28	37/29	41/	
	Heating	High/Low		dBA	33/28	37/29	41/		33/28	37/29	41/	29
Refrigerant	Туре				R-32 / R-410A							
Control systems	Infrared remote co				BRC7FA532F							
	Wired remote cont						BRC1D5	2 / BRC1E53A /		RC1E53C		
Power supply	Phase / Frequency	/ voitage		Hz/V				1~/50/				
Outdoor unit Dimensions	11.3	11.1.1.1.1.1.14.0	July Donath	RZAG	71MV1	100MV1	125MV1	140MV1	71MY1	100MY1	125MY1	140MY1
	Unit	HeightxWi	atnxDepth	mm		1,430x940x320				1,430x940x320		
Weight	Unit			kg	71	93	93	93	72	93	93	93
Sound power level	Cooling			dBA	64	66	69	70	65	66	69	70
Sound pressure level	Cooling	Nom.		dBA	46	47	50	51	46	47	50	51
	Heating	Nom.		dBA	49	51	52	52	49	51	52	52
Operation range	Cooling		Min.~Max.	°CDB				-20 <sub>′</sub>				
	Heating		Min.~Max.	°CWB					~18			
Refrigerant	Туре							R-				
	Charge			kg	2,95	3,75	3,75	3,75	2,95	3,75	3,75	3,75
				TCO₂eq	1,99	2,53	2,53	2,53	1,99	2,53	2,53	2,53
	GWP								75			
Distinct and a setting a	Piping length	OU - IU	Max.	m	55	85	85	85	55	85	85	85
Piping connections					m 40							
Piping connections	Phase / Frequency	System	Chargeless	m				4	.0			



<sup>(1)</sup> BYCQ140D7W1: pure white standard panel with grey louvers; BYCQ140D7W1W: pure white standard panel with white louvers; BYCQ140D7W1W: pure white auto cleaning panel.

(2) EER/COP according to Eurovent 2012, for use outside EU only | The BYCQ140D7W1W has white insulations. Be informed that formation of dirt on white insulation is visibly stronger and that it is consequently not advised to install the BYCQ140D7W1W decoration panel in environments exposed to concentrations of dirt.





## **Round flow 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



Efficiency data			FCAG	+ RZASG	71A + 71MV1	100A + 100MV1	125A + 125MV1	140A + 140MV1	100A + 100MY1	125A + 125MY1	140A + 140MY1		
Cooling capacity	Nom.			kW	6.8	9.5	12.1	13.4	9.5	12.1	13.4		
Heating capacity	Nom.			kW	7.5	10.8	13.5	15.5	10.8	13.5	15.5		
Power input	Cooling	Nom.		kW	-	-	-	-	-	-	-		
	Heating	Nom.		kW	-	-	-	-	-	-	-		
Seasonal efficiency	Cooling	Energy efficie	ncy class		A++	A++	-	-	A++	-	-		
(according to		Pdesign		kW	-	-	-	-	-	-	-		
EN14825)		SEER			6.47	6.76	-	-	6.76	-	-		
		Annual energy cor	nsumption	kWh	-	-	-	-	-	-	-		
	Heating (Average	Energy efficie	ncy class		A+	A+	-	-	A+	-	-		
	climate)	Pdesign		kW	-	-	-	-	-	-	-		
		SCOP/A			4.10	4.10	-	_	4.10	_	-		
		Annual energy co	nsumption	kWh	-		_	_	-1.10	_	_		
Nominal efficiency	EER	rumaar energy co.	isampuon		3.21	3.46	3.21	3.16	3.46	3.21	3.16		
. romana emerciney	COP				3.79	3.58	3.50	3.41	3.58	3.50	3.41		
	Annual energy cor	sumption		kWh	3./9	3.36	3.50	3.41	3.38	3.50	3.41		
	Energy labeling Directive	Cooling/Heat	ina	KVVII	-	-	-	-		-	_		
	Energy labeling Directive	coomig/ricut	9				-		-				
Indoor unit				FCAG	71A	100A	125A	140A	100A	125A	140A		
Dimensions	Unit	HeightxWidth	ixDepth	mm	204x840x840				40x840				
Weight	Unit			kg	21 24								
Decoration panel	Model				BYCQ140DGF9 - auto cleaning panel with fine mesh filter / BYCQ140DG9 - auto cleaning panel / BY - full white / BYCQ140D - white with grey louvers								
	Colour						Pı	ure White (RAL 90	110)				
	Dimensions	HeightxWidth	xDepth	mm			130x950x95	0 / 130x950x950	/50x950x950				
	Weight			kg	kg 10.3 / 10.3 / 5.4 / 5.4								
Air filter	Type				Resin net with mold resistance								
Fan - Air flow rate	Cooling	High/Low		m³/min	15.0/9.1	22.8/12.4	26.0	/12.4	22.8/12.4 26.0/12.4				
	Heating	High/Low		m³/min	15.0/9.1	22.8/12.4		)/12.4	22.8/12.4		/12.4		
Sound power level	Cooling			dBA	49	54		58	54		8		
	Heating			dBA	49	54		58	54 58				
Sound pressure level	Cooling	High/Low		dBA	35/28	37/29		/29	37/29	41			
	Heating	High/Low		dBA	33/28	37/29	41	/29	37/29	41	/29		
Refrigerant	Туре							R-32 / R-410A					
Control systems	Infrared remote co				BRC7FA532F								
D	Wired remote cont			Hz/V			BRC1D52 / BR	C1E53A / BRC1E5					
Power supply	Phase / Frequency	/ voitage		HZ / V				1~/50/220-24	0				
Outdoor unit				RZASG	71MV1	100MV1	125MV1	140MV1	100MY1	125MY1	140MY1		
Dimensions	Unit	HeightxWidth	xDepth	mm	770x900x320	990x940x320	990x940x320	990x940x320	990x940x320	990x940x320	990x940x320		
Weight	Unit			kg	67	73	74	81	74	74	81		
Sound power level	Cooling			dBA	65	69	71	72	69	71	72		
Sound pressure level	Cooling	Nom.		dBA	49	53	54	55	53	54	55		
	Heating	Nom.		dBA	51	57	58	59	57	58	59		
Operation range	Cooling		Λin.∼Max.	°CDB				-15~46					
	Heating		Λin.∼Max.	°CWB				-15~15,5					
Refrigerant	Туре							R-32					
	Charge			kg	2,45	2,6	2,6	2,9	2,6	2,6	2,9		
				TCO₂eq	1,65	1,76	1,76	1,96	1,76	1,76	1,96		
	GWP							675					
				m 50									
Piping connections	i iping iengui												
Piping connections	r iping length		Chargeless	m				30					

<sup>\*</sup>Note: blue cells contain preliminary data

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

<sup>(2)</sup> 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



Efficiency data			FCA	G + AZAS	71A + 71MV1	100A + 100MV1	125A + 125MV1	140A + 140MV1	100A + 100MY1	125A + 125MY1	140A + 140MY1		
Cooling capacity	Nom.			kW	6.8	9.5	12.1	13.0	9.5	12.1	13.0		
Heating capacity	Nom.			kW	7.5	10.8	13.5	15.5	10.8	13.5	15.5		
Power input	Cooling	Nom.		kW	-	-	-	-	-	-	-		
	Heating	Nom.		kW	-	-	-	-	-	-	-		
Seasonal efficiency	Cooling	Energy effici	ency class		A+	A+	-	-	A+	-	-		
(according to		Pdesign		kW	-	-	-	-	-	-	-		
EN14825)		SEER			5.87	5.67	-	-	5.67	-	-		
•		Annual energy of	onsumption	kWh	-	-	-	-	-	-	-		
	Heating (Average	Energy effici	ency class		Α	Α	-	-	A	-	-		
•	climate)	Pdesign		kW	-	-	-	-	-	-	-		
		SCOP/A			4.00	3.85	-	-	3.85	-	-		
		Annual energy of	onsumption	kWh	-	-	-	-	-	-	-		
Nominal efficiency	EER				3.11	3.21	3.10	3.00	3.21	3.10	3.00		
	COP				3.61	3.50	3.41	3.30	3.50	3.41	3.30		
	Annual energy cor	sumption		kWh	-	-	-	-	-	-	-		
	Energy labeling Directive	Cooling/Hea	iting		-	-	-	-	-	-	-		
Indoor unit				FCAG	71A	100A	125A	140A	100A	125A	140A		
Dimensions	Unit	HeightxWidt	thxDepth	mm	204x840x840			246x8-	40x840				
Weight	Unit			kg	21				.4				
Decoration panel	Model				BYCQ140DGF9 - auto cleaning panel with fine mesh filter / BYCQ140DG9 - auto cleaning panel / BYCQ140DW - full white / BYCQ140D - white with grey louvers								
	Colour						Pu	re White (RAL 90	10)				
	Dimensions	HeightxWidt	thxDepth	mm		13	0x950x950 / 130x	950x950 / 50x95	0x950 / 50x950x9	50			
	Weight			kg			1	0.3 / 10.3 / 5.4 / 5	.4				
Air filter	Type						Resin r	net with mold res	istance				
Fan - Air flow rate	Cooling	High/Low		m³/min	15.0/9.1	22.8/12.4	26.0	/12.4	22.8/12.4	26.0	/12.4		
	Heating	High/Low		m³/min	15.0/9.1	22.8/12.4	26.0	/12.4	22.8/12.4	26.0	/12.4		
Sound power level	Cooling			dBA	49	54		8	54	5			
	Heating			dBA	49	54	5	8	54	5	8		
Sound pressure level	Cooling	High/Low		dBA	35/28	37/29	41,	/29	37/29	41,	/29		
	Heating	High/Low		dBA	33/28	37/29	41		37/29	41,	/29		
Refrigerant	Туре				R-32 / R-410A								
Control systems	Infrared remote co	ntrol			BRC7FA532F								
	Wired remote cont	rol :			BRC1D52 / BRC1E53A / BRC1E53B / BRC1E53C								
Power supply	Phase / Frequency	/ Voltage		Hz/V				1~/50/220-240	)				
Outdoor unit				AZAS	71MV1	100MV1	125MV1	140MV1	100MY1	125MY1	140MY1		
Dimensions	Unit	HeightxWidt	thxDepth	mm	770x900x320	990x940x320	990x940x320	990x940x320	990x940x320	990x940x320	990x940x32		
Weight	Unit			kg	67	73	74	81	74	74	81		
Sound power level	Cooling			dBA	65	70	71	72	70	71	72		
Sound pressure level	Cooling	Nom.		dBA	49	53	54	55	53	54	55		
	Heating	Nom.		dBA	51	57	58	59	57	58	59		
Operation range	Cooling		Min.~Max.	°CDB				-5~46					
	Heating		Min.~Max	°CWB				-15~15,5					
Refrigerant	Туре							R-32					
	Charge			kg	2,45	2,6	2,6	2,9	2,6	2,6	2,9		
	CIMID			TCO₂eq	1,65	1,76	1,76	1,96	1,76	1,76	1,96		
Dining and the state of	GWP	OH III			675								
Piping connections	Piping length	OU - IU	Max.	m				30					
Power supply	Phase / Frequency	System	Chargeless	Hz/V	m 30								

<sup>\*</sup>Note: blue cells contain preliminary data

<sup>(1)</sup> 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

<sup>(3)</sup> The BYCQ140D7WIW 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 BYCQ140D7WIW decoration panel in environments exposed to concentrations of dirt.



#### BLUEVOLUTION

## **Round flow cassette**

#### 360° air discharge for optimum efficiency and comfort

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



Efficiency data			FC	AG + RXM	35A + 35M9	50A +		60A + 60M	
Cooling capacity	Nom			kW	3.4	5.		5.7	
Heating capacity	Nom.			kW	4.2	6.	0	7.0	
Power input	Cooling	Min./Nom.		kW	-	-		-	
	Heating	Min./Nom.		kW	=	-		<del>-</del>	
Seasonal efficiency	Cooling		ciency class			A++		A+	
according to		Pdesign		kW	<del>-</del>	-		<del>-</del>	
EN14825)		SEER		1144	6,41	6,5		6,28	
<u></u>			consumption	kWh	<del>-</del>	-		-	
	Heating (Average		ciency class	1344		A++		A+	
	climate)	Pdesign SCOP/A		kW	-	-		-	
			concumption	kWh	4,90	4,		4,00	
Nominal efficiency	EER	Annual energy	consumption	KVVII	3,77	3,		- 3,51	
vorninal efficiency	COP				3,50	3,3		3,52	
	Annual energy con	sumption		kWh	455 (2)	705		820 (2)	
	Energy labeling Directive	Cooling/He	eating	KVVII	453 (2) A/B	A/		A/B	
	energy labeling birecure	cooming	cating .		7/0	- A	А	7/0	
ndoor unit				FCAG	35F	50	F	60F	
Dimensions	Unit	HeightxWi	dthxDepth	mm		204x84	0x840		
Weight	Unit			kg	18		19		
Decoration panel	Model				BYCQ140DGF9 - auto clea			to cleaning panel / BYCQ140DW	
	<u> </u>					- full white / BYCQ140D -		rs	
	Colour					Pure White			
	Dimensions	HeightxWi	dthxDepth	mm		130x950x950 / 130x950x950	0x950		
	Weight			kg		10.3 / 10.3			
Air filter	Туре					Resin net with mole			
an - Air flow rate	Cooling	High/Low		m³/min	12.5/8.7	12.6	/8.7	13.6/8.7	
	Heating	High/Low		m³/min	12.5/8.7 12.6/		/8.7	13.6/8.7	
Sound power level	Cooling			dBA		49		51	
	Heating			dBA		49		51	
Sound pressure level	Cooling	High/Low		dBA		31/27	33/28		
	Heating	High/Low		dBA		31/27		33/28	
Refrigerant	Type					R-32 / I	R-410A		
Control systems	Infrared remote co	ntrol				BRC7F	A532F		
	Wired remote cont	rol				BRC1D52 / BRC1E53A /	BRC1E53B / BRC1E530		
Power supply	Phase / Frequency	/ Voltage		Hz/V		1~/50/	220-240		
Outdoor unit				RXM	25M9	35M9	50M9	60M9	
Dimensions	Unit	HeightxWi	dthxDepth	mm	550x765	5x285			
Neight	Unit			kg	32			44	
Sound power level	Cooling			dBA	59	61		63	
	Heating			dBA	59	61	62	63	
Sound pressure level	Cooling	High/Low		dBA	46/-	49/-		48/44	
	Heating	High/Low		dBA	47/-	49/-		49/45	
Operation range	Cooling	Ambient	Min.~Max.	°CDB	4//-		16	47/43	
operation range				°CWB		-10·			
	Heating	Ambient	Min.~Max.	CMR		-15 <sub>-</sub>			
Refrigerant	Туре					R-			
	Charge			kg	0.7		1.4	1.45	
				TCO₂eq	0.5		0.9	1.0	
	GWP					67	5		
Piping connections	Liquid	OD		mm		6.3	35		
-	Gas	OD		mm	9.5				
	Piping length	OU - IU	Max.	m	30			30	
	ping iengin	System	Chargeless	m	30		n	30	
7	Additional rafei		chargeress						
	Additional refrigerant charge kg/m				(				
		III 0::							
	Level difference	IU - OU	Max.	m	20			20	
Power supply Current - 50Hz		/ Voltage	Max.	m Hz/V A	20	1~/50/	220-240	15	

<sup>\*</sup>Note: blue cells contain preliminary data

<sup>(1)</sup> EER/COP according to Eurovent 2012, for use outside EU only
(2) BYCQ140D7W1: pure white standard panel with grey louvers; BYCQ140D7W1W: pure 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.





## Why choose fully flat cassette

- Unique design in the market that integrates fully flat into the ceiling
- Advanced technology and top efficiency combined
- Most guiet 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 severa languages, enables the easy set-up of sensor option and control of the individual flap position
- > Meeting European design taste

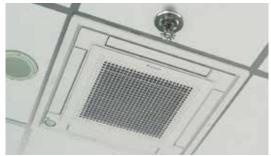
## Benefits for the consultant

- > 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.

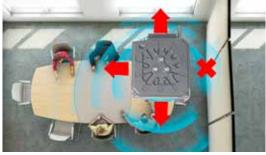
#### Optional floor sensor

 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

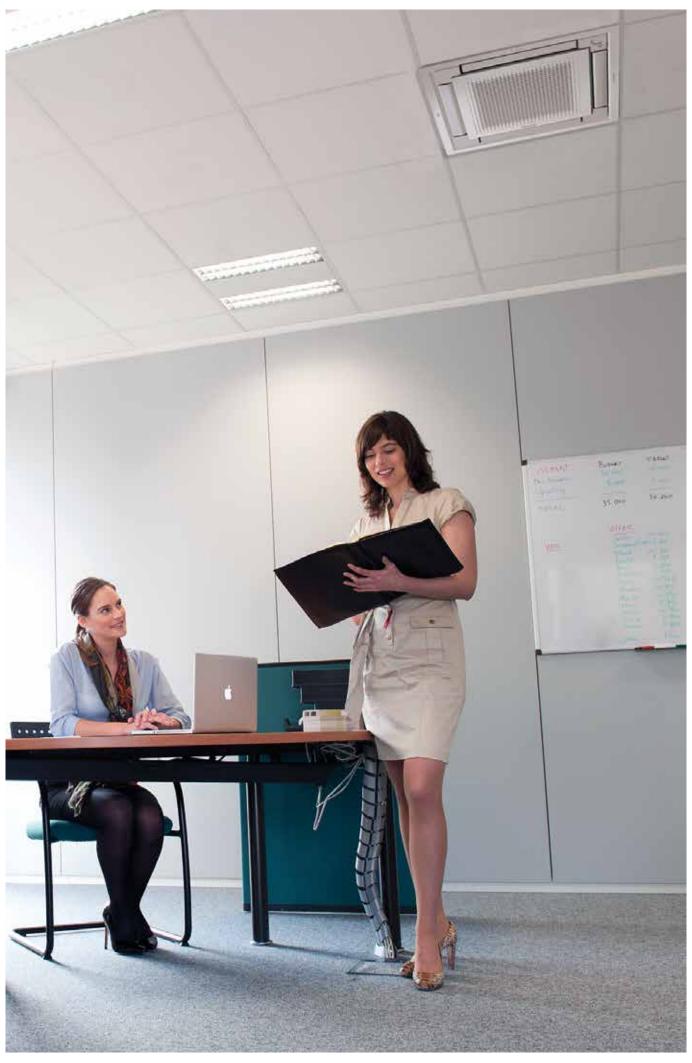
- Individual flap control: easily control one or more flaps via the wired remote controller (BRC1E\*) when rearranging the room. When fully closing or blocking the flaps, the option "Sealing member of air discharge outlet" is needed.
- > Most silent cassette in the market (25dBA), important for office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



### Marketing tools

- > https://www.daikin.eu/en\_us/product-group/fully-flat-cassette.html
- > www.youtube.com/DaikinEurope











## **Fully flat cassette**

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

- > Unified range for R-32 and R-410A simplifying stock
- > Outdoor unit silent operation: "silent" button on the remote control lowers the operation sound of the outdoor unit by 3dBA to ensure a quiet environment for the neighbourhood.
- Fully flat integration in standard architectural ceiling tiles, leaving only 8mm
- Remarkable blend of iconic design and engineering excellence with an elegant finish in white or a combination of silver and white
- > Individual flap control: flexibility to suit every room layout without changing the location of the unit!
- > Two optional intelligent sensors improve energy efficiency and



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



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

Efficiency data		F	FA + RXM	25A + 25M9	35A + 35M9	50A + 50M9	60A + 60M9			
Cooling capacity	Nom.		kW	2.5	3.4	5	5.7			
Heating capacity	Nom.		kW	3.2	4.2	5.8	7.0			
Power input	Cooling	Min./Nom./Max.	kW	<u>-</u>	-	-	-			
·	Heating	Min./Nom./Max.	kW	=	-	-	-			
Seasonal efficiency	Cooling	Energy efficiency class		Α	++		\ \+			
(according to	J	Pdesign	kW	_	_	-	_			
EN14825)		SEER		6.17	6.38	5.98	5.76			
		Annual energy consumption	kWh	-	-	- 5.50	5.70			
•	Heating (Average	Energy efficiency class	KWII		A+		A			
•	climate)	Pdesign	kW		_	_	_			
	ciiiiate)	SCOP/A	KVV	4.24	4.10	3.90	4.04			
		Annual energy consumption	kWh	4.2 <del>4</del> -	4.10	3.90	-			
Jaminal officiones	EER	Annual energy consumption	KVVII							
Nominal efficiency				4.57	3.81	3.24	3.05			
	COP		1344	3.90	3.50	3.49	3.41			
	Annual energy con		kWh	-	-	-	-			
	Energy labeling Directive	Cooling/Heating		-	-	-	-			
Indoor unit			FFA	25A	35A	50A	60A			
Dimensions	Unit	HeightxWidthxDepth	mm		260x5	75x575				
Weight	Unit	· ·	kg		16		7.5			
Decoration panel	Model		3		V (white panel) / BYFQ60CS (gr					
	Colour			5.1. Q000.		+ Silver / White (RAL9010)	idara parici,			
	Dimensions HeightxWidthxDepth mm		mm			20x620 55x700x700				
	Weight		kg			.8 / 2.7				
Air filter	Type		Ng			mold resistance				
Fan - Air flow rate	Cooling	High/Low	m³/min	9/6.5	10/6.5	12/7.5	14.5/9.5			
all full now late	Heating	High/Low	m³/min	9/6.5	10/6.5	12/7.5	14.5/9.5			
Sound power level	Cooling	riigii/Low	dBA	48		56	60			
		High/Low			51					
Sound pressure level	Cooling	High/Low	dBA	31/25	34/25	39/27	43/32			
	Heating	High/Low	dBA	31/25	34/25	39/27	43/32			
Refrigerant	Туре					R-410A				
Control systems	Infrared remote co			BRC7F530W (white panel) / BRC7F530S (grey panel) / BRC7EB530W (standard panel)						
	Wired remote cont			BRC1D52 / BRC1E53A / BRC1E53B / BRC1E53C						
Power supply	Phase / Frequency	/ Voltage	Hz/V		1~/50/	220-240				
Outdoor unit			RXM	25M9	35M9	50M9	60M9			
Dimensions	Unit	HeightxWidthxDepth	mm		65x285					
Weight	Unit		kg		32		14			
Sound power level	Cooling		dBA	59	61		53			
porter rever	Heating		dBA	59	61	62	63			
Sound pressure level	Cooling	High/Low	dBA	46/-	49/-		/44			
Journa pressure level	Heating	High/Low	dBA	47/-	49/-		/45			
Operation range	Cooling	Ambient Min.~Max.	°CDB	4//-		~49 ~46	773			
operation range		Ambient Min.~Max.	°CWB							
Pofrigorant	Heating	ATTIDIETTE MIN.~Max.	CWB			~18				
Refrigerant	Type		l.a.			32				
	Charge		kg		.76	1.4	1.45			
	CMD		TCO₂eq	(	0.5	0.9	1.0			
S	GWP	0.0			6					
Piping connections	Liquid	OD	mm			6.35				
	Gas	OD	mm		9.5					
	Piping length	OU - IU Max.	m		30		30			
		System Chargeless	m	n e		0				
	Additional refriger		kg/m							
	Level difference	IU - OU Max.	m		20		20			
	Phase / Frequency / Voltage Hz / V			1.1.1						
Power supply Current - 50Hz	Maximum fuse am		A							

<sup>\*</sup>Note: blue cells contain preliminary data



## A unique success story repeated

#### Reduced runningcosts

- > Automatic filter cleaning
- > Reduces running costs as the filter is alwas clean



#### Improved room air quality

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

#### Minimal time required for filter cleaning

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

#### Unique technology

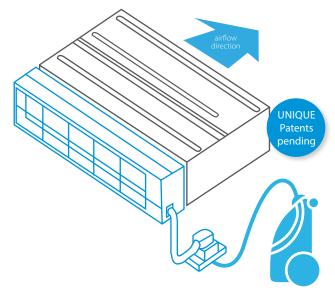
 Unique and newly developed filter technology based on experience from Daikin Auto cleaning cassette



#### Combination table

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

\*Note: blue cells combination to be confirmed



## How does it work?

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

#### **Specifications**

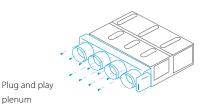
	BAE20A62	BAE20A82	BAE20A102				
Heigth (mm)		212					
Width (mm)	764	964	1164				
Width (mm) (incl. hanger bracket)	984	1094	1294				
Depth (mm)	201						



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

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

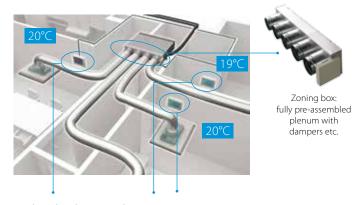
- Increases comfort levels by allowing more individual zone control
  - Up to 8 individual zones can be served thanks to separate modulating dampers
  - Individual thermostat for room-by-room or zone-by-zone control
- > Eco-adapt reduces the power consumption thanks to use dynamic setpoint temperatures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



#### Connectable to: (preliminary)

- > FDXM-F3
- > FBO-D
- > ADEQ-C
- > FXDQ-A3
- > FXSQ-A

## 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 communi-

## Airzone Zone Thermostat

- Thermostat
   with buttons for
   controlling the
   temperature
- > Radio communication

#### **BLUEVOLUTION**

## Concealed ceiling unit

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

- > Unified range for R-32 and R-410A simplifying stock
- Discretely concealed in the ceiling: only the suction and discharge grilles are visible
- Compact dimensions, can easily be mounted in a ceiling void of only 240mm



- Medium external static pressure up to 40Pa facilitates unit use with flexible ducts of varying lengths
- > Low energy consumption thanks to DC fan motor
- > Seasonal efficiency values up to A+ in cooling and heating



Efficiency data			FD)	(M + RXM	25F3 + 25M9	35F3 + 35M9	50F3 + 50M9	60F3 + 60M9		
Cooling capacity	Min./Nom./Max.			kW	1.3/2.4/3.0	1.4/3.4/3.8	1.7/5.0/5.3	1.7/6.0/6.5		
Heating capacity	Min./Nom./Max.			kW	1.3/3.2/4.5	1.4/4.0/5.0	1.7/5.8/6.0	1.7/7.0/8.0		
Power input	Cooling	Nom.		kW	0.641	1.148	1.650	2.060		
	Heating	Nom.		kW	0.800	1.150	1.870	2.180		
Seasonal efficiency	Cooling Energy efficiency class				A+	A	A+	A		
(according to	_	Pdesign		kW	2.40	3.40	5.00	6.00		
EN14825)		SEER			5.63	5.21	5.72	5.51		
		Annual energy	consumption	kWh	149	228	306	381		
<b>~</b>	Heating (Average		Energy efficiency class		A+		A			
•	climate)	Pdesign		kW	2.60	2.90	4.00	4.60		
		SCOP/A			4.24	3.88	3.93	3.80		
		Annual energy	consumption	kWh	858	1,047	1.425	1,693		
Nominal efficiency	EER	rumaar energy	consumption		3.74 (1)	2.96 (1)	3.03 (1)	2.91 (1)		
rvorminar emelericy	COP				4.00 (1)	3.48 (1)	3.10 (1)	3.21 (1)		
	Annual energy con	sumntion		kWh	321	574	825	1,030		
	Energy labeling Directive	Cooling/H	eating	KWII	A/A	B/A	B/D	C/C		
	Lifetgy labelling Directive	Cooling/in	eating				-			
Indoor unit				FDXM	25F3	35F3	50F3	60F3		
Dimensions	Unit	HeightxWi	dthxDepth	mm		50x620		150x620		
Weight	Unit			kg	21			30		
Air filter	Туре						able / mildew proof			
Fan - Air flow rate	Cooling	High/Low		m³/min	8.7		12.0/10.0	16.0/13.5		
	Heating	High/Low m³/min		8.7			)/13.5			
Fan - External static pressure	Nom.			Pa	3	0		40		
Sound power level	Cooling			dBA	5	3	55	56		
	Heating	dBA           High/Low         dBA           High/Low         dBA			5	3	55	56		
Sound pressure level	Cooling				35.	/27	38	3/30		
	Heating High/Low				leating High/Low			35.	/27	38
Refrigerant	Туре				R-32 / R-410A					
Control systems	Infrared remote co	ontrol				BRC	.4C65			
	Wired remote cont	rol				BRC1E53A / BRC	IE53B /BRC1E53AC			
Power supply	Phase / Frequency	/ Voltage		Hz/V	1~/5	0 / 230	1~/50	/ 220-240		
Outdoor unit				RXM	25M9	35M9	50M9	60M9		
Dimensions	Unit	HeightxWi	dthyDenth	mm		55x285	JUNIS	OUNIS		
Weight	Unit	ricigiitxvvi	шихоерии	kg		2		14		
Sound power level	Cooling			dBA		61		<del>14</del> 53		
Journa power level	Heating			dBA	59	61	62	63		
Sound pressure level		High/Low		dBA	46/-	49/-		3/44		
Journa pressure lever	Heating	High/Low		dBA						
Operation range	Cooling	Ambient	Min.~Max.	°CDB	47/-	49/-		0/45		
Operation range		Ambient		°CWB			)~46			
Refrigerant	Heating Type	AIIIDIEIIC	Min.~Max.	CWB			5~18			
nemyerant	Charge			kg			-32	1.45		
	Charge			TCO₂eq	0.		1.4	1.45		
	GWP			ico₂eq	0		0.9	1.0		
Dining and and artists		00					575			
Piping connections	Liquid Gas	OD OD		mm			.35			
			M	mm	9					
	Piping length	OU - IU	Max.	m	3	0		30		
	System Chargeless				m 10					
	A 1 100 1 60	Additional refrigerant charge kg/m								
	Level difference	IU - OU	Max.	m	2	0		20		
Power supply Current - 50Hz		IU - OU / Voltage	Max.			0	/ 220-240	20		

<sup>\*</sup>Note: blue cells contain preliminary data

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

<sup>(2)</sup> 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

- > Unified range for R-32 and R-410A simplifying stock
- > Top efficiency in the market! Energy label up to A++
- > Slimmest unit in class, only 245mm (300mm built-in height) and therefore narrow ceiling voids are no longer a challenge
- > Lowest sound levels in the market: down to 25dBA!
- Medium external static pressure up to 150Pa facilitates using flexible ducts of varying lengths
- Possibility to change ESP via wired remote control allows optimisation of the supply air volume
- > Discretely concealed in the ceiling: only the suction and discharge grilles are visible
- > Optional fresh air intake
- Reduced energy consumption thanks to specially developed DC fan motor and drain pump
- > No optional adapter needed for DIII-connection, link your unit into the wider building management system.
- Flexible installation: air suction direction can be altered from rear to bottom suction and choice between free use or connection to optional suction grilles



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

Efficiency data			FB	A + RZAG	71A + 71MV1	100A + 100MV1	125A + 125MV1	140A + 140MV1	71A + 71MY1	100A + 100MY1	125A + 125MY1	140A + 140MY1	
Cooling capacity	Nom.			kW	6.80	9.50	12.1	13.4	6.80	9.50	12.1	13.4	
Heating capacity	Nom.			kW	7.50	10.8	13.5	15.5	7.50	10.8	13.5	15.5	
Power input	Cooling	Nom.		kW	-	-	-	-	-	-	-	-	
	Heating	Nom.		kW	-	-	-	-	-	-	-	-	
Seasonal efficiency	Cooling	Energy lab	el		A++	A++	-	-	A++	A++	-	-	
(according to	-	Pdesign		kW	-	-	-	-	-	-	-	-	
EN14825)		SEER			6.65	6.16	_	_	6.65	6.16	_	_	
		Annual energy	consumption	kWh		-	_	_	-	-	_	_	
<b>_</b>	Heating (Average	Energy lab			A+	A++	_	_	A+	A++	_	_	
	climate)	Pdesign		kW	-	-	_	_	-	-	_	_	
		SCOP/A			4.31	4.78	_	_	4.31	4.78	_	_	
		Annual energy	consumption	kWh	4.51	4.76			4.31	4.76		_	
Nominal efficiency	EER	7 illiadi circigy	consumption	KVVII	3.78 (1)	4.00 (1)	3.38 (1)	3.52 (1)	3.78 (1)	4.00 (1)	3.38 (1)	3.52 (1)	
rionina emelency	COP				4.21 (1)	4.45 (1)	3.98 (1)	3.60 (1)	4.21 (1)	4.45 (1)	3.98 (1)	3.60 (1)	
	Annual energy con	cumption		kWh	4.21(1)	4.45 (1)	3.96 (1)	3.00(1)	4.21(1)	4.43 (1)	3.96 (1)	3.00 (1)	
	Energy label	Cooling/H	eating	KVVII	_	-		-	-			<del>-</del>	
	Energy laber	Cooming/in	cuting										
Indoor unit Dimensions	Unit	Hoighty\\/i	dthyDonth	FBA mm	71A	100A	<b>125A</b> 245x1,400x800	140A	71A 245x1,000x800	100A	<b>125A</b> 245x1,400x800	140A	
Weight	Unit HeightxWidthxDepth mm Unit kg				245x1,000x800	245x1,400x800 46				245X1,400X800 46			
Air filter				ку	35				35		46		
	Туре	TP. L.A.		m³/min				Resin net with		1			
Fan - Air flow rate	Cooling	High/Low			18/12.5	29/23		23.5	18/12.5	29/23		23.5	
	Heating	High/Low		m³/min	18/12.5	29/23		23.5	18/12.5	29/23		23.5	
Fan - External static pressure	High/Nom./Maxim	um available	e/High	Pa	150/30/-	150/40/-	150/50/-		150/30/-	150/40/-		/50/-	
Sound power level	Cooling			dBA	56	58		52	56	58		2	
Sound pressure level	Cooling	High/Low		dBA	30/25	34/30		//32	30/25	34/30		/32	
	Heating	High/Low		dBA	31/25	36/30	38	3/32	31/25	36/30	38	/32	
Refrigerant	Туре				R-32 / R-410A								
Control systems	Infrared remote co				BRC4C65								
	Wired remote cont	rol			BRC1E53A / BRC1E53B / BRC1E53C / BRC1D528								
Power supply	Phase / Frequency	/ Voltage		Hz/V				1~/50/	220-240				
Outdoor unit				RZAG	71MV1	100MV1	125MV1	140MV1	71MY1	100MY1	125MY1	140MY1	
Dimensions	Unit	HeightxWi	dthxDepth	mm	990x940x320	1,430x940x320	1,430x940x320	1,430x940x320	990x940x320	1,430x940x320	1,430x940x320	1,430x940x32	
Weight	Unit			kg	71	93	93	93	72	93	93	93	
Sound power level	Cooling			dBA	64	66	69	70	65	66	69	70	
Sound pressure level	Cooling	Nom.		dBA	46	47	50	51	46	47	50	51	
	Heating	Nom.		dBA	49	51	52	52	49	51	52	52	
Operation range	Cooling		Min.~Max.	°CDB				-20					
	Heating		Min.~Max.	°CWB					~18				
Refrigerant	Туре								32				
	Charge			kg	2,95	3,75	3,75	3,75	2,95	3,75	3,75	3,75	
	CIMP			TCO₂eq	1,99	2,53	2,53	2,53	1,99	2,53	2,53	2,53	
D'	GWP	011 111							75				
Piping connections	Piping length	OU - IU	Max.	m	55	85	85	85	55	85	85	85	
D	DI / F	System	Chargeless	m				4	0				
Power supply	Phase / Frequency	/ Voltage		Hz/V		1~/50/2	220-240			3N~/50/	380-415		

\*Note: blue cells contain preliminary data

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

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



# Concealed ceiling unit with medium ESP

Slimmest yet most powerful medium static pressure unit on the market

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

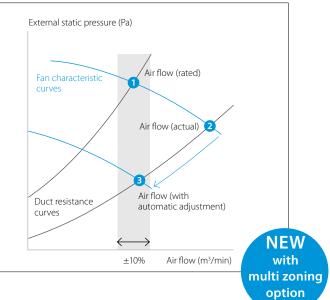
## Optimised supply air volume

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

#### Why?

After installation the real ducting will frequently differ from the initially calculated air flow resistance  $\rightarrow$  the real air flow may be much lower or higher than nominal, leading to a lack of capacity or uncomfortable air temperature

Automatic Airflow Adjustment function will adapt the unit's fan speed to any ducting automatically(10 or more fan curves are available on every model), making installation much faster



Efficiency data				+ 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	Cooling	Energy lab	el		A++	A+	-	-	A+	-	-	
(according to		Pdesign		kW	-	-	-	-	-	-	-	
EN14825)		SEER			6.19	5.83	-	-	5.83	-	-	
		Annual energ	y consumption	kWh	-	-	-	-	-	-	-	
	Heating (Average	Energy lab	el		A+	A+	-	-	A+	-	-	
	climate)	Pdesign		kW	-	-	-	-	-	-	-	
		SCOP/A			4.01	4.15	-	-	4.15	-	-	
		Annual energ	y consumption	kWh	-	-	-	-	-	-	-	
Nominal efficiency	EER				3.60 (1)	3.52 (1)	3.29 (1)	3.21 (1)	3.52 (1)	3.29 (1)	3.21 (1)	
	COP				4.12 (1)	3.71 (1)	3.70 (1)	3.50 (1)	3.71 (1)	3.70 (1)	3.50 (1)	
	Annual energy cor	sumption		kWh	-	-	-	-	-	-	-	
	Energy label	Cooling/H	eating		-	-	-	-	-	-	-	
Indoor unit				FBA	71A	100A	125A	140A	100A	125A	140A	
Dimensions	Unit	HeightxWi	idthxDepth	mm	245x1.000x800			245x1,	400x800			
Weight	Unit		•	kg	35				46			
Air filter	Туре						Resin	net with mold re	sistance			
Fan - Air flow rate	Cooling	High/Low		m³/min	18/12.5	29/23		23.5	29/23	34/	23.5	
	Heating	High/Low		m³/min	18/12.5	29/23		23.5	29/23		23.5	
Fan - External static pressure	High/Nom./Maxim		e/High	Pa	150/30/-	150/40/-		/50/-	150/40/-		/50/-	
Sound power level	Cooling			dBA	56	58		52	58		52	
Sound pressure level	Cooling	High/Low		dBA	30/25	34/30	37/32		34/30	37/32		
	Heating	High/Low		dBA	31/25	36/30		/32	36/30		/32	
Control systems	Infrared remote co				BRC4C65							
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	Wired remote cont	rol			BRC1E53A / BRC1E53B / BRC1E53C / BRC1D528							
Power supply	Phase / Frequency			Hz/V				1~/50/220-24				
Outdoor unit	<u> </u>			RZASG	71MV1	100MV1	125MV1	140MV1	100MY1	125MY1	140MY1	
Dimensions	Unit	HeiahtxWi	idthxDepth	mm	770x900x320	990x940x320	990x940x320	990x940x320	990x940x320	990x940x320	990x940x320	
Weight	Unit			kg	67	73	74	81	74	74	81	
Sound power level	Cooling			dBA	65	69	71	72	69	71	72	
Sound pressure level	Cooling	Nom.		dBA	49	53	54	55	53	54	55	
Souria pressure level	Heating	Nom.		dBA	51	57	58	59	57	58	59	
Operation range	Cooling		Min.~Max.	°CDB	31	37	30	-15~46		30	3,	
operation range	Heating		Min.~Max.	°CWB				-15~15,5				
Refrigerant	<u> </u>							R-32				
. 3	Charge			kg	2,45	2,6	2,6	2,9	2,6	2,6	2,9	
	a. gc			TCO₂eq	1,65	1,76	1,76	1,96	1,76	1,76	1,96	
	GWP			. 20229	1,05	1,70	1,70	675	1,70	1,70	1,50	
Piping connections					m 50							
i iping connections	i iping lengur	System	Chargeless	m				30				
Power supply	Phase / Frequency			Hz/V	1~/50/220-240	1~/50/220-240	1~/50/220-240	1~/50/220-240	3N~/50 / 380-415	3N~/50 / 380-415	3N~/50 / 380-415	
. cci suppiş	asc / rrequericy	, . ontage		112, V	. / 50/220 210	. /30/220 240	. /30/220 240	. /30/220 240	3.1 /30/ 300 TIS	3 /30/ 300 TIS	3.1 /30/300-413	



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

<sup>(2)</sup> 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



Efficiency data			FB	A + AZAS	71A + 71MV1	100A + 100MV1	125A + 125MV1	140A + 140MV1	100A + 100MY1	125A + 125MY1	140A + 140MY1		
Cooling capacity	Nom.			kW	6.80	9.50	12.1	13.0	9.50	12.1	13.0		
Heating capacity	Nom.			kW	7.50	10.8	13.5	15.5	10.8	13.5	15.5		
Power input	Cooling	Nom.		kW	-	-	-	-	-	-	-		
	Heating	Nom.		kW	-	-	-	-	-	-	-		
Seasonal efficiency	Cooling	Energy lab	el		Α	Α	-	-	Α	-	-		
(according to		Pdesign		kW	-	-	-	-	-	-	-		
EN14825)		SEER			5.57	5.25	-	-	5.25	-	-		
		Annual energ	y consumption	kWh	-	-	-	-	-	-	=		
	Heating (Average	Energy lab	el		Α	Α	-	-	Α	-	-		
•	climate)	Pdesign		kW	-	-	-	-	-	-	-		
		SCOP/A			3.81	3.81	-	-	3.81	-	-		
		Annual energ	y consumption	kWh	-	-	-	-	-	-	-		
Nominal efficiency	EER				3.24 (1)	3.17 (1)	2.97 (1)	3.01 (1)	3.17 (1)	2.97 (1)	3.01 (1)		
	COP				3.70 (1)	3.42 (1)	3.41 (1)	3.41 (1)	3.42 (1)	3.41 (1)	3.41 (1)		
	Annual energy cor	sumption		kWh	-	-	-	-	-	-	-		
	Energy label	Cooling/H	eating		-	-	-	-	-	-	-		
Indoor unit				FBA	71A	100A	125A	140A	100A	125A	140A		
Dimensions	Unit	HeightxW	dthxDepth	mm	245x1,000x800			245x1,4	100x800				
Weight	Unit			kg	35			4	16				
Air filter	Type						Resin r	net with mold res	istance				
Fan - Air flow rate	Cooling	High/Low		m³/min	18/12.5	29/23	34/	23.5	29/23	34/2	23.5		
	Heating	High/Low		m³/min	18/12.5	29/23	34/	23.5	29/23	34/2	23.5		
Fan - External static pressure	High/Nom./Maxim	um availabl	e/High	Pa	150/30/-	150/40/-	150	′50/-	150/40/-	150/	50/-		
Sound power level	Cooling			dBA	56	58	62		58	6	2		
Sound pressure level	Cooling	High/Low		dBA	30/25	34/30	37/32		34/30				
	Heating	High/Low		dBA	31/25	36/30	38.	/32	36/30	38/	/32		
Control systems	Infrared remote co	ntrol			BRC4C65								
	Wired remote cont	rol			BRC1E53A / BRC1E53B / BRC1E53C / BRC1D528								
Power supply	Phase / Frequency	/ Voltage		Hz/V				1~/50/220-240	)				
Outdoor unit				AZAS	71MV1	100MV1	125MV1	140MV1	100MY1	125MY1	140MY1		
Dimensions	Unit	HeightxW	dthxDepth	mm	770x900x320	990x940x320	990x940x320	990x940x320	990x940x320	990x940x320	990x940x320		
Weight	Unit			kg	67	73	74	81	74	74	81		
Sound power level	Cooling			dBA	65	70	71	72	70	71	72		
Sound pressure level	Cooling	Nom.		dBA	49	53	54	55	53	54	55		
	Heating	Nom.		dBA	51	57	58	59	57	58	59		
Operation range	Cooling		Min.~Max.	°CDB				-5~46					
	Heating		Min.~Max	°CWB				-15~15,5					
Refrigerant	Туре							R-32					
	Charge			kg	2,45	2,6	2,6	2,9	2,6	2,6	2,9		
				TCO₂eq	1,65	1,76	1,76	1,96	1,76	1,76	1,96		
	GWP							675					
	D: :   .	Max.	m	m 30									
Piping connections	Piping length	OU - IU						m 30					
Piping connections	Piping length	System	Chargeless					30					

<sup>\*</sup>Note: blue cells contain preliminary data

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

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

### BLUEVOLUTION

# Concealed ceiling unit with medium ESP

Slimmest yet most powerful medium static pressure unit on the market

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



Efficiency data			FE	BA + RXM	35A + 35M9	50A + 50M9	60A + 60M9		
Cooling capacity	Nom.			kW	3.40	5.00	5.70		
Heating capacity	Nom.			kW	4.00	5.50	7.00		
Power input	Cooling	Nom.		kW	-	-	-		
•	Heating	Nom.		kW	-	-	-		
Seasonal efficiency	Cooling	Energy effici	iency class		A++	A++	A+		
(according to	J	Pdesign		kW	3.40	5.00	5.70		
EN14825)		SEER			6.23	6.27	5.91		
		Annual energy of	onsumption	kWh	-	-	-		
	Heating (Average	Energy effici		KVII	A+	A+	A+		
	climate)	Pdesign	cricy class	kW	2.90	4.40	4.60		
		SCOP/A		KVV	4.07	4.06	4.01		
		Annual energy co	ncumption	kWh	-	4.00	-		
No. of all off of a second	FFD	Annual energy co	nsumption	KVVII					
Nominal efficiency	EER				4.02	3.55	3.48		
	СОР				4.02	3.83	3.71		
	Annual energy con			kWh	<del>-</del>	-	<del>-</del>		
	Energy labeling Directive	Cooling/Hea	iting		<del>-</del>	-	-		
Indoor unit				FBA	35A	50A	60A		
	Unit	Hoight Mr. I	thy Dor-th			00x800			
Dimensions		HeightxWidt	inxDepth	mm			245x1,000x800		
Weight	Unit			kg	2	28	35		
Air filter	Туре					Resin net with mold resistance			
Fan - Air flow rate	Cooling	High/Low		m³/min		10.5	18/12.5		
	Heating	High/Low		m³/min	15/	10.5	18/12.5		
Fan - External static pressure	High/Nom./Maxim	um available/l	High	Pa		150/30/-			
Sound power level	Cooling			dBA	6	50	56		
Sound pressure level	Cooling	High/Low		dBA	35,	/29	30/25		
	Heating	High/Low		dBA	37,	/29	31/25		
Refrigerant	Туре					R-32 / R-410A			
Control systems	Infrared remote co	ntrol			BRC4C65				
	Wired remote cont	rol			BF	28			
Power supply	Phase / Frequency			Hz/V	BRC1E53A/BRC1E53B/BRC1E53C/BRC1D528 1~/50/220-240				
Outdoor unit				RXM	35M9	50M9	60M9		
Dimensions	Unit	HeightxWidt	thyDonth	mm		SUNIS	OUNIS		
Weight		neignixwidi	шхрерш	1111111	550x765x285				
					22				
Sound power level	Unit			kg	32	44			
	Cooling			kg dBA	61	6.	3		
C	Cooling Heating	High /I am		kg dBA dBA	61 61	62	3 63		
Sound pressure level	Cooling Heating Cooling	High/Low		kg dBA dBA dBA	61 61 49/-	62 62 48/	3 63 '44		
	Cooling Heating Cooling Heating	High/Low		kg dBA dBA dBA dBA	61 61	62 48/ 49/	3 63 '44		
Sound pressure level Operation range	Cooling Heating Cooling Heating Cooling	High/Low Ambient	Min.~Max.	kg dBA dBA dBA dBA °CDB	61 61 49/-	62 48/ 49/ -10~46	3 63 '44		
Operation range	Cooling Heating Cooling Heating Cooling Heating	High/Low Ambient	Min.~Max. Min.~Max.	kg dBA dBA dBA dBA	61 61 49/-	62 48/ 49/ -10~46 -15~18	3 63 '44		
	Cooling Heating Cooling Heating Cooling Heating Type	High/Low Ambient		kg dBA dBA dBA dBA °CDB	61 61 49/- 49/-	62 48/ 48/ -10~46 -15~18 R-32	3 63 44 45		
Operation range	Cooling Heating Cooling Heating Cooling Heating	High/Low Ambient		kg dBA dBA dBA dBA °CDB °CWB	61 61 49/- 49/-	62 48/ 49/ -10~46 -15~18 R-32 1.4	3 63 44 45 1.45		
Operation range	Cooling Heating Cooling Heating Cooling Heating Tooling Heating Type Charge	High/Low Ambient		kg dBA dBA dBA dBA °CDB	61 61 49/- 49/-	62 48/ 49/ -10~46 -15~18 R-32 1.4 0.9	3 63 44 45		
Operation range Refrigerant	Cooling Heating Cooling Heating Cooling Heating Type Charge GWP	High/Low Ambient Ambient		kg dBA dBA dBA dBA °CDB °CWB	61 61 49/- 49/-	62 48/ 49/ -10~46 -15~18 R-32 1.4 0.9 675	3 63 44 45 1.45		
Operation range	Cooling Heating Cooling Heating Cooling Heating Type Charge GWP Liquid	High/Low Ambient Ambient		kg dBA dBA dBA dBA °CDB °CWB  TCO <sub>2</sub> eq	61 61 49/- 49/- 0.76 0.5	62 48/ 49/ -10~46 -15~18 R-32 1.4 0.9	3 63 44 45 1.45		
Operation range Refrigerant	Cooling Heating Cooling Heating Cooling Heating Type Charge  GWP Liquid Gas	High/Low Ambient Ambient OD	Min.~Max.	kg dBA dBA dBA dBA °CDB °CWB  TCO <sub>2</sub> eq  mm	61 61 49/- 49/-	62 48/ 49/ -10~46 -15~18 R-32 1.4 0.9 675 6.35	3 63 44 45 1.45		
Operation range Refrigerant	Cooling Heating Cooling Heating Cooling Heating Type Charge GWP Liquid	High/Low Ambient Ambient OD OD OU - IU	Min.~Max.	kg dBA dBA dBA dBA °CDB °CWB  TCO₂eq  mm mm m	61 61 49/- 49/- 0.76 0.5	62 48/ 48/ 49/ -10~46 -15~18 R-32 1.4 0.9 675 6.35	3 63 44 45 1.45		
Operation range Refrigerant	Cooling Heating Cooling Heating Cooling Heating Type Charge GWP Liquid Gas Piping length	Ambient Ambient OD OD OU - IU System	Min.~Max.	kg dBA dBA dBA dBA °CDB TCO <sub>2</sub> eq mm mm m m	61 61 49/- 49/- 0.76 0.5	62 48/ 49/ -10~46 -15~18 R-32 1.4 0.9 675 6.35	3 63 44 45 1.45		
Operation range Refrigerant	Cooling Heating Cooling Heating Cooling Heating Type Charge GWP Liquid Gas Piping length Additional refrigera	Ambient Ambient  OD OD OU - IU System ant charge	Min.~Max.  Max. Chargeless	kg dBA dBA dBA dBA °CDB °CWB  TCO₂eq  mm mm m	61 61 49/- 49/- 0.76 0.5	62 48/ 48/ 49/ -10~46 -15~18 R-32 1.4 0.9 675 6.35	3 63 44 45 1.45		
Operation range Refrigerant	Cooling Heating Cooling Heating Cooling Heating Type Charge GWP Liquid Gas Piping length	Ambient Ambient OD OD OU - IU System ant charge	Min.~Max.	kg dBA dBA dBA °CDB °CWB   Kg TCO₂eq  mm mm m m kg/m m	61 61 49/- 49/- 0.76 0.5	62 48/ 48/ 49/ -10~46 -15~18 R-32 1.4 0.9 675 6.35	3 63 44 45 1.45		
Operation range Refrigerant	Cooling Heating Cooling Heating Cooling Heating Type Charge GWP Liquid Gas Piping length Additional refrigera	High/Low Ambient Ambient OD OD OU - IU System ant charge IU - OU	Min.~Max.  Max. Chargeless	kg dBA dBA dBA dBA *CDB  *COWB  Kg TCO <sub>2</sub> eq  mm mm m m	61 61 49/- 49/- 0.76 0.5	62 48/ 48/ 49/ -10~46 -15~18 R-32 1.4 0.9 675 6.35	3 63 44 45 1.45		

<sup>\*</sup>Note: blue cells contain preliminary data

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

<sup>(2)</sup> 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



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

				****
Indoor unit			FDA	125A
Dimensions	Unit	HeightxWidthxDepth	mm	300x1,400x700
Required ceiling void	>		mm	350
Weight	Unit		kg	45
Decoration panel	Model			BYBS125DJW1
	Colour			White (10Y9/0.5)
	Dimensions	HeightxWidthxDepth	mm	55x1,500x500
	Weight		kg	6.5
Air filter	Type			Resin net with mold resistance
Fan - Air flow rate	Cooling	High/Low	m³/min	39/28
	Heating	High/Low	m³/min	39/28
Fan - External static pressure	High/Nom./Max	imum 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 co	ontrol		BRC1D52 / BRC1E53A / BRC1E53B / BRC1E53C
Power supply	Phase / Frequen	cy / Voltage	Hz/V	1~/50/60/220-240/220

Outdoor unit			RZA	G/RZASG	125MV1	125MY1	125MV1	125MY1	
Dimensions	Unit	HeightxWi	dthxDepth	mm	1,430x940x320	1,430x940x320	990x940x320	990x940x320	
Weight	Unit			kg	93	93	74	74	
Sound power level	Cooling			dBA	69	69	71	71	
Sound pressure level				dBA	50	50	54	54	
	Heating	Nom.		dBA	52	52	58		
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-20 <sup>,</sup>	~52	-15-	-46	
	Heating	Ambient	Min.~Max.	°CWB	-20	~18	-15~	15,5	
Refrigerant	Type					R-	32		
	Charge			kg	3,75		2,6		
				TCO₂eq	2,	53	1,76		
	GWP				675				
Piping connections	Piping length	OU - IU	Max.	m	8	5	5	0	
		System	Chargeless	m	40		30		
Power supply	Phase / Frequency / Voltage Hz / V 1~/50/220-240 3N~/50 / 380-415 1~/50/220-240				3N~/50 / 380-415				

\*Note: blue cells contain preliminary data

Efficiency data

Cooling capacity



100A + 100MY1

9.50

85

3N~/50 / 380-415

## Wall mounted unit

#### For rooms with no false ceilings nor free floor space

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

- > Unified range for R-32 and R-410A simplifying stock
- > Flat, stylish front panel blends easily within any interior décor and is easier to clean
- > Can easily be installed in both new and refurbishment projects
- > Reduced energy consumption thanks to specially developed DC fan motor
- > The air is comfortably spread up- and downwards thanks to 5 different discharge angles that can be programmed via the remote control
- > Maintenance operations can be performed easily from the front of the unit

FAA + RZAG

- > Flexible to install as the largest casing only weighs 17kg and piping connection can be done at the bottom, left or right of the unit
- > Optimum comfort guaranteed with automatic air-flow volume control as this minimises the difference between room and required temperature. No action required from occupants to meet the desired temperature.
- > No optional adapter needed for DIII-connection, link your unit into the wider building management system.

71A + 71MY1

6.80

40

55

85

1~/50/220-240

Heating capacity	Nom.		kW	7.5	10.8	7.5	10.8			
Power input	Cooling	Nom.	kW	=	-	-	-			
	Heating	Nom.	kW	=	-	-	-			
Seasonal efficiency	Cooling	Energy efficiency class		A++	A++	A++	A++			
(according to		Pdesign	kW	-	-	-	-			
EN14825)		SEER		7.03	6.42	7.03	6.42			
		Annual energy consumption	kWh	-	-	-	-			
	Heating (Average	Energy efficiency class		A+	A+	A+	A+			
•	climate)	Pdesign	kW	-		-				
		SCOP/A		4.02	4.01	4.02	4.01			
		Annual energy consumption	kWh	-	-	-	-			
Nominal efficiency	EER			3.45	3.77	3.45	3.77			
	COP			3.89	3.61	3.89	3.61			
	Annual energy con	sumption	kWh	-	-	-	-			
	Energy labeling Directive	Cooling/Heating		-	-	-	-			
Indoor unit			FAA	71A	100A	71A	100A			
Dimensions	Unit	HeightxWidthxDepth	mm	290x1,050x238	340x1,200x240	290x1,050x238	340x1,200x240			
Weight	Unit		kg	13	17	13	17			
Fan - Air flow rate	Cooling	High/Low	m³/min	18/14	26/19	18/14	26/19			
	Heating	High/Low	m³/min	18/14	26/19	18/14	26/19			
Sound power level	Cooling		dBA	61	65	61	65			
•	Heating		dBA	61	65	61	65			
Sound pressure level	Cooling	High/Low	dBA	45/40	49/41	45/40	49/41			
•	Heating	High/Low	dBA	45/40	49/41	45/40	49/41			
Refrigerant	Туре				R-32 /	R-410A				
Control system	Infrared remote co	ntrol		BRC7EB518						
,	Wired remote cont			BRC1E53A / BRC1E53B /BRC1E53C / BRC1D52						
Power supply	Phase / Frequency	/ Voltage	Hz/V	1~/50/220-240						
Outdoor unit			RZAG	71MV1	100MV1	71MY1	100MY1			
Dimensions	Unit	HeightxWidthxDepth	mm	990x940x320	1,430x940x320	990x940x320	1,430x940x320			
Weight	Unit	уполичание среп	kg	71	93	72	93			
Sound power level	Cooling		dBA	64	66	65	66			
Sound pressure level	Cooling	Nom.	dBA	46	47	46	47			
•	Heating	Nom.	dBA	49	51	49	51			
Operation range	Cooling	Min.~Max.	°CDB		-20	)~52				
	Heating	Min.~Max.	°CWB		-2	0~18				
Refrigerant	Туре				R	-32				
	Charge		kg	2,95	3,75	2,95	3,75			
			TCO₂eq	1,99	2,53	1,99	2,53			
	GWP				$\epsilon$	575				

71A + 71MV1

6.80

100A + 100MV1

9.50



Pipina lenath

Phase / Frequency / Voltage

OU - IU

System

Max

Chargeless

m

Hz/V

55

Piping connections

Power supply

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

<sup>(2)</sup> 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



Efficiency data			FAA + RZAS	SG	71A + 71MV1	100A + 100MV1	100A + 100MY1		
Cooling capacity	Nom.		ŀ	(W	6.80	9.50	)		
Heating capacity	Nom.		ŀ	άW	7.50	10.8	1		
Power input	Cooling	Nom.	ŀ	(W	=	-			
·	Heating	Nom.	ŀ	(W	=	_			
easonal efficiency	Cooling	Energy efficiency	class		A++	A+			
according to	<b>3</b>	Pdesign		(W	-	_			
N14825)		SEER			6.41	5.83	<b>.</b>		
		Annual energy consump	tion kV	Vh	-	_			
×-	Heating (Average	Energy efficiency		***	A	A+			
•	climate)	Pdesign		w					
	,	SCOP/A			3.90	4.01			
		Annual energy consump	tion k\	Vh	-	-			
lominal efficiency	EER	Annual energy consump	don Kv	VII	3.21	3.11			
offilial efficiency	COP				3.67	3.42			
	Annual energy con	sumption	Late	Vh	3.07	3.42			
		<u> </u>	KV	VII	<u>-</u>				
	Energy labeling Directive	Cooling/Heating			-	-			
ndoor unit			-	AA	71A	100.			
	I I is	11a: alas .W: dalaD.							
Dimensions	Unit	HeightxWidthxDe	•	ım	290x1,050x238	340x1,20	UX24U		
Veight	Unit			kg	13	17			
an - Air flow rate	Cooling	High/Low	m³/m		18/14	26/1			
	Heating	High/Low	m³/m		18/14	26/1	9		
Sound power level	Cooling			BA	61	65			
	Heating			ВА	61	65			
Sound pressure level	Cooling	High/Low		BA	45/40	49/4			
	Heating	High/Low	d	BA	45/40	49/4	1		
Refrigerant	Туре					R-32 / R-410A			
Control systems	Infrared remote co	ntrol				BRC7EB518			
	Wired remote cont	rol				BRC1E53A / BRC1E53B /BRC1E53C / BRC1D5	2		
Power supply	Phase / Frequency	/ Voltage	Hz	/ V		1~/50/220-240			
Outdoor unit			RZAS	ig	71MV1	100MV1	100MY1		
Dimensions	Unit	HeightxWidthxDe			770x900x320	990x940			
Veight	Unit			kg	67	73	74		
Sound power level	Cooling		dE		65	69			
Sound pressure level	Cooling	Nom.	dE	BA	49	53			
	Heating	Nom.	dE	BA	51	57			
Operation range	Cooling	Min.	~Max. °CE	)B		-15~46			
	Heating	Min.	~Max. °CV	/B		-15~15,5			
Refrigerant	Туре					R-32			
	Charge			kg	2,45	2,6			
			TCO <sub>2</sub>	eq	1,65	1,76			
	GWP					675			
Piping connections	Piping length	OU - IU Max		m		50			
				m		30			
Power supply	Phase / Frequency	/ \ / -   4	Hz /	() (		~/50/220-240	3N~/50 / 380-415		

<sup>\*</sup>Note: blue cells contain preliminary data

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

<sup>(2)</sup> 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



Efficiency data	•		AA + AZAS	71A + 71MV1	100A + 100MV1	100A + 100MY1		
Cooling capacity	Nom.		kW	6.80		9.50		
Heating capacity	Nom.		kW	7.50		10.8		
Power input	Cooling	Nom.	kW	-		-		
	Heating	Nom.	kW	-		-		
Seasonal efficiency	Cooling	Energy efficiency class		A+		A		
(according to	3	Pdesign	kW	-		-		
EN14825)		SEER		5.77		5.25		
		Annual energy consumption	kWh	-		-		
	Heating (Average	Energy efficiency class		Α		A		
•	climate)	Pdesign	kW	-				
		SCOP/A		3.81		3.81		
		Annual energy consumption	kWh	-		-		
Nominal efficiency	EER	7 mindar energy consumption	KVVII	2.89		2.80		
140111111al efficiency	COP			3.30		3.08		
	Annual energy cor	sumption	kWh	-		-		
	Energy labeling Directive	Cooling/Heating	K VVII					
	chergy labelling Directive	Cooling/neating		-		-		
Indoor unit			FAA	71A		00A		
Dimensions	Unit	HeightxWidthxDepth	mm	290x1,050x238		,200x240		
Weight	Unit	пеідпіхміцпіхреріп	kg	13		17		
Fan - Air flow rate		11:-b/1	m³/min	18/14	26/19			
ran - Air now rate	Cooling	High/Low	m/min m³/min					
C	Heating	High/Low	-	18/14	26/19			
Sound power level	Cooling		dBA	61		65		
	Heating		dBA	61		65		
Sound pressure level		High/Low	dBA	45/40		9/41		
	Heating	High/Low	dBA	45/40		9/41		
Refrigerant	Туре				R-32 / R-410A			
Control systems	Infrared remote co				BRC7EB518			
	Wired remote cont			BR	C1E53A / BRC1E53B /BRC1E53C / BRC1	D52		
Power supply	Phase / Frequency	/ Voltage	Hz/V		1~/50/220-240			
Outdoor unit			AZAS	71MV1	100MV1	100MY1		
Dimensions	Unit	HeightxWidthxDepth	mm	770x900x320	990x	940x320		
Weight	Unit		kg	67	73	74		
Sound power level	Cooling		dBA	65		70		
Sound pressure level	Cooling	Nom.	dBA	49		53		
	Heating	Nom.	dBA	51		57		
Operation range	Cooling	Min.~Max.	°CDB		-5~46			
	Heating	Min.~Max	°CWB		-15~15,5			
Refrigerant	Type				R-32			
	Charge		kg	2,45		2,6		
	CIMP		TCO₂eq	1,65		1,76		
B	GWP				675			
Piping connections	Piping length	OU - IU Max.	m		30			
Danier annach	Dhasa / Fusani	System Chargeless	m		30			
Power supply	Phase / Frequency	/ Voltage	Hz/V	1~/50/220-240	3N~/50	/ 380-415		

<sup>\*</sup>Note: blue cells contain preliminary data

<sup>(1)</sup> 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

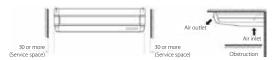
- > Unified range for R-32 and R-410A simplifying stock
- > Ideal for comfortable air flow in wide rooms thanks to Coanda effect: up to 100° discharge angle



Efficiency data

Cooling capacity

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



- > Reduced energy consumption thanks to specially developed DC fan motor and drain pump
- > Stylish unit blends easily with any interior. The flaps close entirely when the unit is not operating and there are no air intake grilles visible
- > No optional adapter needed for DIII-connection, link your unit into the wider building management system.
- > Drain pump kit available as accessory

140A +

140MV1

13.4

> Fresh air intake integrated in the same system thus reducing installation cost as no additional ventilation device is required

71A+

71MY1

6.80

100A +

100MY1

9.5

125A +

125MY1

12.1

140A +

140MY1

13.4

NOITI.		KVV	0.60	9.3	12.1	13.4	0.80	9.3	12.1	13.4
Nom.		kW	7.50	10.8	13.5	15.5	7.50	10.8	13.5	15.5
Cooling	Nom.	kW	-	-	-	-	-	-	-	-
Heating	Nom.	kW	-	-	-	-	-	-	-	-
Cooling	Energy efficiency class		A++	A++	-	-	A++	A++	-	-
-	Pdesign	kW	-	-	-	-	-	-	-	-
	SEER		7.51	6.42	-	-	7.51	6.42	-	-
	Annual energy consumption	kWh	-	-	-	-	-	-	-	-
Heating (Average	Energy efficiency class		A+	A++	-	-	A+	A++	-	-
climate)	Pdesign	kW	-	-	-	-	-	-	-	-
	SCOP/A		4.32	4.61	-	-	4.32	4.61	-	-
		kWh	-	-	-	-	-	-	-	-
EER	3,		3.96	4.31	3.59	3.48	3.96	4.31	3.59	3.48
COP			4.34	4.42	3.90	3.63	4.34	4.42	3.90	3.63
Annual energy con	sumption	kWh	-	-	-	-	-	-	-	-
Energy labeling Directive	Cooling/Heating		-	-	-	-	-	-	-	-
3, 3								'		
		FHA	71A	100A	125A	140A	71A	100A	125A	140A
Unit	235x1,270x690		235x1,590x690	)	235x1,270x690		235x1,590x690			
Unit		kg	32		38		32		38	
Туре					ı	Resin net with r	mold resistance	2		
Cooling	High/Low	m³/min	20.5/14	28/20	31/23	34/24	20.5/14	28/20	31/23	34/24
Heating	High/Low	m³/min	20.5/14	28/20	31/23	34/24	20.5/14	28/20	31/23	34/24
Coolingw		dBA	55	60	62	64	55	60	62	64
Heating		dBA	55	60	62	64	55	60	62	64
Cooling	High/Low	dBA	38/34	42/34	44/37	46/38	38/34	42/34	44/37	46/38
Heating	High/Low	dBA	38/34	42/34	44/37	46/38	38/34	42/34	44/37	46/38
Туре	-					R-32 / I	R-410A			
Infrared remote co	ntrol					BRC	7G53			
Wired remote cont	rol				BRC1D5	52 / BRC1E53A /	BRC1E53B / BF	RC1E53C		
Phase / Frequency	/ Voltage	Hz/V				1~/50/	220-240			
		R7AG	71MV1	100MV1	125MV1	140MV1	71MY1	100MY1	125MY1	140MY1
Unit	HeightxWidthxDepth									
Unit	<u> </u>			-					-	93
Cooling		dBA	64	66			65		69	70
Cooling	Nom.	dBA	46	47	50	51	46	47	50	51
Heating	Nom.	dBA	49	51	52	52	49	51	52	52
Cooling	Min.~Max.	°CDB	=+ +=							
Heating	Min.~Max.	°CWB	NB -20~18							
Туре						R-	32			
	Nom. Cooling Heating Cooling Heating (Average climate)  EER COP Annual energy cor Energy labeling Directive  Unit Unit Type Cooling Heating Cooling Heating Type Infrared remote con Wired remote cont Phase / Frequency  Unit Unit Cooling Heating Type Infrared remote cont Phase / Frequency	Nom.  Cooling Nom. Heating Nom.  Cooling Energy efficiency class Pdesign SEER Annual energy consumption  Heating (Average climate) Pdesign SCOP/A Annual energy consumption  EER COP Annual energy consumption Energy labeling Directive Cooling/Heating  Unit HeightxWidthxDepth Unit Type Cooling High/Low Heating High/Low Coolingw Heating High/Low Heating High/Low Type Infrared remote control Wired remote control Wired remote control Phase / Frequency / Voltage  Unit HeightxWidthxDepth Unit Cooling Nom. Heating Nom. Heating Nom. Cooling Nom. Heating Nom. Cooling Min.~Max. Heating Nom. Min.~Max.	Nom.         kW           Cooling         Nom.         kW           Heating         Nom.         kW           Cooling         Energy efficiency class         kW           SEER         Annual energy consumption         kWh           Heating (Average climate)         Energy efficiency class         kW           CoP/A         Annual energy consumption         kWh           EER         COP         What a consumption         kWh           Energy labeling Directive         Cooling/Heating         FHA           Unit         HeightxWidthxDepth         mm           Unit         kg         type           Cooling         High/Low         m³/min           Heating         High/Low         dBA           Heating <t< td=""><td>Nom.         kW         7.50           Cooling         Nom.         kW         -           Heating         Nom.         kW         -           Cooling         Energy efficiency class         A++           Pdesign         kW         -           SEER         7.51         Annual energy consumption         kWh         -           Heating (Average climate)         Energy efficiency class         A+         A+</td><td>Nom.         kW         7.50         10.8           Cooling         Nom.         kW         -         -           Heating         Nom.         kW         -         -           Cooling         Energy efficiency class         A++         A++           Pdesign         kW         -         -           Annual energy consumption         kWh         -         -           Heating (Average climate)         Energy efficiency class         A+         A++           COP/A         4.32         4.61           Annual energy consumption         kWh         -         -           EER         3.96         4.31           COP         4.34         4.42           Annual energy consumption         kWh         -         -           EER         3.96         4.31         4.31           COP         4.34         4.42           Annual energy consumption         kWh         -         -           EER         COP         4.34         4.42           Annual energy consumption         kWh         -         -           COP         4.34         4.42           Intempty leave         COOLING         K</td><td>  Nom.   KW   7.50   10.8   13.5   13</td><td>  Nom.   Nom.  </td><td>  Nom.   KW   7.50   10.8   13.5   15.5   7.50   1.00   1</td><td>  Nom.   Nom.  </td><td>  Nom.</td></t<>	Nom.         kW         7.50           Cooling         Nom.         kW         -           Heating         Nom.         kW         -           Cooling         Energy efficiency class         A++           Pdesign         kW         -           SEER         7.51         Annual energy consumption         kWh         -           Heating (Average climate)         Energy efficiency class         A+         A+	Nom.         kW         7.50         10.8           Cooling         Nom.         kW         -         -           Heating         Nom.         kW         -         -           Cooling         Energy efficiency class         A++         A++           Pdesign         kW         -         -           Annual energy consumption         kWh         -         -           Heating (Average climate)         Energy efficiency class         A+         A++           COP/A         4.32         4.61           Annual energy consumption         kWh         -         -           EER         3.96         4.31           COP         4.34         4.42           Annual energy consumption         kWh         -         -           EER         3.96         4.31         4.31           COP         4.34         4.42           Annual energy consumption         kWh         -         -           EER         COP         4.34         4.42           Annual energy consumption         kWh         -         -           COP         4.34         4.42           Intempty leave         COOLING         K	Nom.   KW   7.50   10.8   13.5   13	Nom.   Nom.	Nom.   KW   7.50   10.8   13.5   15.5   7.50   1.00   1	Nom.   Nom.	Nom.

100A +

100MV1

9.5

FHA + RZAG

kW

71MV1

6.80

125A +

125MV1

12.1



Piping length

Phase / Frequency / Voltage

OU - IU

System

Max.

Chargeless

Charge

GWP

kg

m

TCO₂eq

Hz/V

2.95

1,99

55

3.75

2,53

85

1~/50/220-240

3.75

2,53

85

3.75

2,53

85

2.95

1,99

55

675

40

3.75

2,53

85

3N~/50 / 380-415

3.75

2,53

85

3.75

2,53

85

Piping connections

Power supply

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

<sup>(2)</sup> 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



Efficiency data			FHA	+ RZASG	71A + 71MV1	100A + 100MV1	125A + 125MV1	140A + 140MV1	100A + 100MY1	125A + 125MY1	140A + 140MY1	
Cooling capacity	Nom.			kW	6.80	9.50	12.1	13.4	9.50	12.1	13.4	
Heating capacity	Nom.			kW	7.50	10.8	13.5	15.5	10.8	13.5	15.5	
Power input	Cooling	Nom.		kW	-	-	-	-	-	-	-	
·	Heating	Nom.		kW	-	-	-	-	-	-	-	
Seasonal efficiency	Cooling	Energy eff	iciency class		A+	A+	-	-	A+	-	-	
(according to	•	Pdesign		kW	-	-	-	-	-	-	-	
EN14825)		SEER			5.95	5.83	-	-	5.83	-	-	
		Annual energ	y consumption	kWh	-	-	-	-	-	-	-	
	Heating (Average		iciency class		Α	Α	-	-	Α	-	-	
•	climate)	Pdesign		kW	-	-	-	-	-	-	-	
		SCOP/A			3.90	3.91	_	_	3.91	_	_	
			y consumption	kWh	- 5.50	-	_	_	-	_	_	
Nominal efficiency	EER	7 illinuur erierg	y consumption	KVVII	3.51	3.37	2.95	3.16	3.37	2.95	3.16	
ui ciricicitey	COP				4.15	3.65	3.83	3.41	3.65	3.83	3.41	
	Annual energy cor	sumption		kWh		-	-	-	-	-	-	
	Energy labeling Directive	Cooling/H	esting	KVVII	_	_	_	_	_	_	_	
	3, 3						_	_		_		
Indoor unit				FHA	71A	100A	125A	140A	100A	125A	140A	
Dimensions	Unit	HeightxW	dthxDepth	mm	235x1,270x690	235x1,590x690						
Weight	Unit			kg	32				38			
Air filter	Туре							net with mold res				
Fan - Air flow rate	Cooling	High/Low		m³/min	20.5/14	28/20	31/23	34/24	28/20	31/23	34/24	
	Heating	High/Low		m³/min	20.5/14	28/20	31/23	34/24	28/20	31/23	34/24	
Sound power level	Cooling			dBA	55	60	62	64	60	62	64	
	Heating			dBA	55	60	62	64	60	62	64	
Sound pressure level	Cooling	High/Low		dBA	38/34	42/34	44/37	46/38	42/34	44/37	46/38	
	Heating	High/Low		dBA	38/34	42/34	44/37	46/38	42/34	44/37	46/38	
Refrigerant	Type				R-32 / R-410A							
Control systems	Infrared remote co	ntrol			BRC7G53							
	Wired remote cont	rol:					BRC1D52 / BR	C1E53A / BRC1E5	3B / BRC1E53C			
Power supply	Phase / Frequency	/ Voltage		Hz/V				1~/50/220-240	)			
Outdoor unit				RZASG	71MV1	100MV1	125MV1	140MV1	100MY1	125MY1	140MY1	
Dimensions	Unit	HeightxW	dthxDepth	mm	770x900x320	990x940x320	990x940x320	990x940x320	990x940x320	990x940x320	990x940x320	
Weight	Unit			kg	67	73	74	81	74	74	81	
Sound power level	Cooling			dBA	65	69	71	72	69	71	72	
Sound pressure level	Cooling	Nom.		dBA	49	53	54	55	53	54	55	
	Heating	Nom.		dBA	51	57	58	59	57	58	59	
Operation range	Cooling		Min.~Max.	°CDB				-15~46				
D-f-:	Heating		Min.~Max.	°CWB				-15~15,5				
Refrigerant	Type Charge			ka.	2.45	2.6	26	R-32	2.6	2.6	2.0	
	Charge			kg TCO₂eq	2,45 1,65	2,6 1,76	2,6	2,9	2,6	2,6 1,76	2,9 1,96	
	GWP			ico₂eq	1,05	1,/0	1,76	1,96 675	1,76	1,/6	1,90	
Piping connections	Piping length	OU - IU	Max.	m				50				
pg connections	ping icngur	System	Chargeless	m				30				
Dower cumply	Dhasa / Erogues		2.10.90.033	Hz/V	-							
Power supply	Phase / Frequency	/ voitage		mz / V		1~/50/2	220-240			3IN~/3U / 38U-41		

<sup>\*</sup>Note: blue cells contain preliminary data

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

<sup>(2)</sup> 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



- > Unified range for R-32 and R-410A simplifying stock
- > Ideal for comfortable air flow in wide rooms thanks to Coanda effect: up to 100° discharge angle
- Even rooms with ceilings up to 3.8m can be heated up or cooled down very easily without capacity loss
- Can easily be mounted in corners and narrow spaces, as it only needs
   30mm lateral service space



- > Reduced energy consumption thanks to specially developed DC fan motor and drain pump
- > Stylish unit blends easily with any interior. The flaps close entirely when the unit is not operating and there are no air intake grilles visible



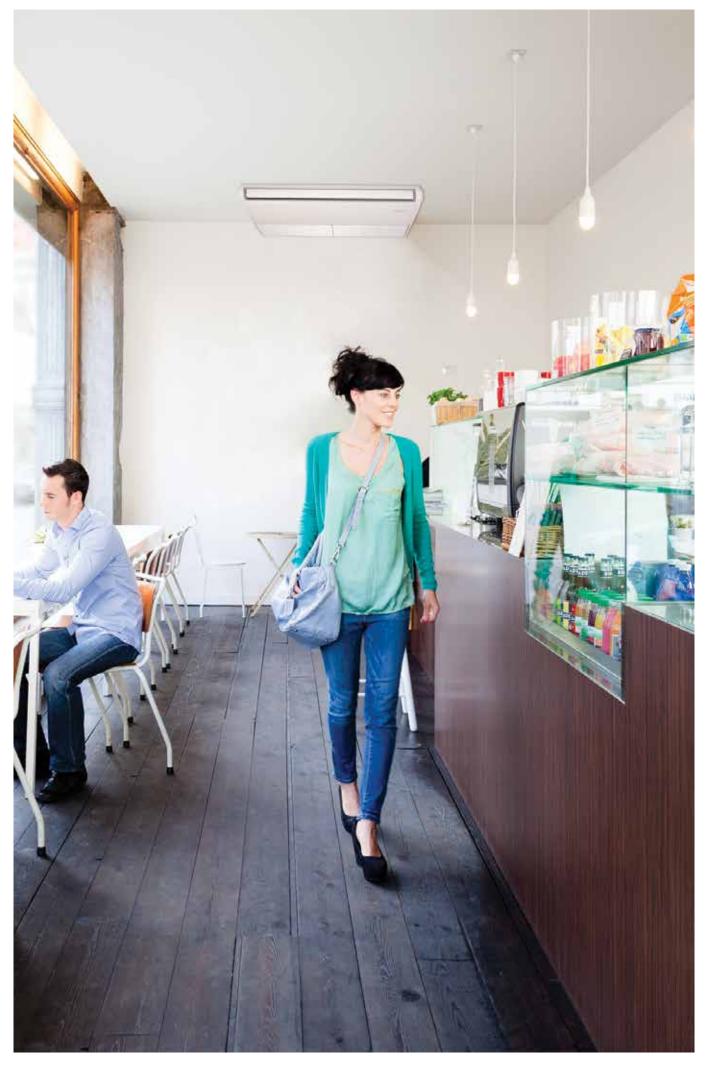
- No optional adapter needed for DIII-connection, link your unit into the wider building management system.
- > Drain pump kit available as accessory
- > Fresh air intake integrated in the same system thus reducing installation cost as no additional ventilation device is required

Efficiency data			FH	IA + RXM	35A + 35M9	50A + 50M9	60A + 60M9
Cooling capacity	Nom.			kW	3.4	5.0	5.7
Heating capacity	Nom.			kW	4.0	6.0	7.2
Power input	Cooling	Nom.		kW	-	-	-
	Heating	Nom.		kW	-	-	-
Seasonal efficiency	Cooling	Energy effic	iency class		A++		A+
(according to		Pdesign		kW	-	-	-
EN14825)		SEER			6.24	5.92	6.08
		Annual energy	consumption	kWh	-	-	-
	Heating (Average	Energy effic	iency class		A+	A	A+
	climate)	Pdesign		kW	-	-	-
		SCOP/A			4.43	3.86	3.87
		Annual energy	consumption	kWh	-	-	-
Nominal efficiency	EER				3.73	3.21	3.29
	COP				4.08	3.35	3.32
	Annual energy con	sumption		kWh	-	-	-
	Energy labeling Directive	Cooling/He	ating		-	-	-
Indoor unit				FHA	35A	50A	60A
Dimensions	Unit	HeightxWid	thxDenth	mm		x960x690	235x1,270x690
Weight	Unit	. icigiitavviu	альсриі	kg	24	25	235X1,270X690
Air filter	Type			ĸy	<del>24</del>	Resin net with mold resistance	31
Fan - Air flow rate	Cooling	High/Low		m³/min	14/10	15/10	19.5/11.5
raii - Aii ilow rate	Heating	High/Low		m³/min	14/10	15/10	19.5/11.5
Sound power level	Cooling	Tilgii/Low		dBA	53		19.5/11.5 54
Journa power level	Heating			dBA	53		54 54
Sound pressure level	Cooling	High/Low		dBA			
Souria pressure lever	Heating	High/Low		dBA	36/31	37/32	37/33
Refrigerant	Туре	nign/Low		UDA	36/31	37/32	37/33
Control systems	Infrared remote co	ntrol				R-32 / R-410A	
Control systems	Wired remote cont					BRC7G53	
Power supply	Phase / Frequency			Hz/V		BRC1D52 / BRC1E53A / BRC1E53B / BRC1E	:53C
rowei suppiy	rilase / Frequency	/ voitage		11Z / V		1~/50/220-240	
Outdoor unit				RXM	35M9	50M9	60M9
Dimensions	Unit	HeightxWid	thxDepth	mm	550x765x285		
Weight	Unit			kg	32		44
Sound power level	Cooling			dBA	61		63
	Heating			dBA	61	62	63
Sound pressure level	Cooling	High/Low		dBA	49/-	4	8/44
	Heating	High/Low		dBA	49/-	4	9/45
Operation range	Cooling	Ambient	Min.~Max.	°CDB		-10~46	
	Heating	Ambient	Min.~Max.	°CWB		-15~18	
Refrigerant	Type					R-32	
	Charge			kg	0.76	1.4	1.45
				TCO₂eq	0.5	0.9	1.0
	GWP					675	
Piping connections	Liquid	OD		mm		6.35	
	Gas	OD		mm	9.5		
	Piping length	OU - IU	Max.	m		30	
		System	Chargeless	m		10	
	Additional refriger	ant charge		kg/m		0.02 (for piping length exceeding 10m	)
	Level difference	IU - OU	Max.	m		20	
Power supply	Phase / Frequency	/ Voltage		Hz/V		1~/50/220-240	
rower suppry							

<sup>\*</sup>Note: blue cells contain preliminary data

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

<sup>(2)</sup> 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

- > Unified range for R-32 and R-410A simplifying stock
- > Even rooms with ceilings up to 3.5m can be heated up or cooled down very easily without capacity loss
- > Individual flap control: flexibility to suit every room layout without changing the location of the unit!
- 5 different discharge angles between 0 and 60°can be programmed via the remote control

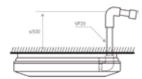


> Stylish unit blends easily with any interior. The flaps close entirely when the unit is not operating and there are no air intake grilles visible



UNIQUE

- > Optimum comfort guaranteed with automatic air flow adjustment to the required load
- Standard drain pump with 500mm lift increases flexibility and installation speed



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

Efficiency data			UA + RZAG	71A + 71MV1	100A + 100MV1	125A + 125MV1	71A + 71MY1	100A + 100MY1	125A + 125MY		
Cooling capacity	Nom.		kW	6.80	9.50	12.1	6.80	9.50	12.1		
Heating capacity	Nom.		kW	7.50	10.8	13.5	7.50	10.8	13.5		
Power input	Cooling	Nom.	kW	-	-	-	-	-	-		
	Heating	Nom.	kW	-	-	-	-	-	-		
Seasonal efficiency	Cooling	Energy efficiency class		A++	A++	-	A++	A++	-		
(according to EN14825)		Pdesign	kW	-	-	-	-	-	-		
		SEER		7.02	6.42	-	7.02	6.42	-		
		Annual energy consumption	kWh	-	-	-	-	-	-		
•	Heating (Average	Energy efficiency class	i	A+	A+	-	A+	A+	-		
•	climate)	Pdesign	kW	-	-	-	-	-	-		
		SCOP/A		4.20	4.50	-	4.20	4.50	-		
		Annual energy consumption	kWh	-	-	-	-	-	-		
Nominal efficiency	EER	3/		4.14	4.22	3.47	4.14	4.22	3.47		
,	COP			4.47	4.08	4.08	4.47	4.08	4.08		
	Annual energy cor	sumption	kWh	-	-	-	-	-	=		
	Energy labeling Directive	Cooling/Heating		-	-	-	-	-	-		
I I			FILE	74.4	1000	4054	74.4	1001	4054		
Indoor unit			FUA	71A	100A	125A	71A	100A	125A		
Dimensions	Unit	HeightxWidthxDepth	mm			198x95		1			
Weight	Unit		kg	25		26	25	2	6		
Air filter	Туре					Resin net with r					
Fan - Air flow rate	Cooling	High/Low	m³/min	23/16	31/20	32.5/20.5	23/16	31/20	32.5/20.5		
	Heating	High/Low	m³/min	23/16	31/20	32.5/20.5	23/16	31/20	32.5/20.5		
Sound power level	Cooling		dBA	59	64	65	59	64	65		
	Heating		dBA	59	64	65	59	64	65		
Sound pressure level	Cooling	High/Low	dBA	41/35	46/39	47/40	41/35	46/39	47/40		
	Heating	High/Low	dBA	41/35	46/39	47/40	41/35	46/39	47/40		
Refrigerant	Туре					R-32 / I	R-410A				
Control systems	Infrared remote co	ntrol		BRC7C58							
	Wired remote cont	rol		BRC1D52 / BRC1E53A / BRC1E53B /BRC1E53AC							
Power supply	Phase / Frequency	/ Voltage	Hz/V			1~/50/60/	220-240/220				
Outdoor unit			RZAG	71MV1	100MV1	125MV1	71MY1	100MY1	125MY1		
Dimensions	Unit	HeightxWidthxDepth	mm	990x940x320	1,430x940x320	1,430x940x320	990x940x320	1,430x940x320	1,430x940x320		
Weight	Unit		kg	71	93	93	72	93	93		
Sound power level	Cooling		dBA	64	66	69	65	66	69		
Sound pressure level	Cooling	Nom.	dBA	46	47	50	46	47	50		
	Heating	Nom.	dBA	49	51	52	49	51	52		
Operation range	Cooling	Min.~Max				-20-	-52				
	Heating	Min.~Max	°CWB				~18				
Refrigerant	Туре					R-					
	Charge		kg	2,95	3,75	3,75	2,95	3,75	3,75		
	CUID		TCO₂eq	1,99	2,53	2,53	1,99	2,53	2,53		
D' . '	GWP	OII III M				67					
Piping connections	Piping length	OU - IU Max.	m	55	85	85	55	85	85		
D	Dhasa / Fusani	System Chargeles				4	0				
Power supply	Phase / Frequency	/ voitage	Hz/V		1~/50/220-240			3N~/50 / 380-415			



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

<sup>(2)</sup> 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



Efficiency data		FUA	+ RZASG	71A + 71MV1	100A + 100MV1	125A + 125MV1	100A + 100MY1	125A + 125MY			
Cooling capacity	Nom.		kW	6.80	9.50	12.1	9.50	12.1			
Heating capacity	Nom.		kW	7.50	10.8	13.5	10.8	13.5			
Power input	Cooling	Nom.	kW	-	-	-	-	-			
	Heating	Nom.	kW	-	-	-	-	-			
Seasonal efficiency	Cooling	Energy efficiency class		A++	A+	-	A+	-			
(according to	3	Pdesign	kW	-	-	-	-	-			
EN14825)		SEER		6.16	5.83	-	5.83	_			
		Annual energy consumption	kWh		-	_	-	-			
•	Heating (Average	Energy efficiency class		A+	A+	_	A+	-			
•	climate)	Pdesign	kW	-	-	-	-	_			
	,	SCOP/A	KVV	3.90	4.01	_	4.01	_			
		Annual energy consumption	kWh	-	-	_	-1.01	_			
Nominal efficiency	EER	Aimual energy consumption	KVVII	3.37	3.37	2.70	3.37	2.70			
Nonlinal efficiency	COP			3.79	3.65	3.48	3.65	3.48			
		cumption	kWh	3./9	3.05	3.48	3.05	3.48			
	Annual energy con		KVVN			-		-			
	Energy labeling Directive	Cooling/Heating		-	-	-	-	-			
Indoor unit			FUA	71A	100A	125A	100A	125A			
Dimensions	Unit	HeightxWidthxDepth	mm	7 IA	IUUA	198x950x950	IUUA	125A			
Weight	Unit	пеідпіхичиніхрерні		25			16				
Air filter	Type		kg	25	Resin net with mold resistance						
		11: /1	m³/min	23/16	31/20	32.5/20.5	31/20	32.5/20.5			
Fan - Air flow rate	Cooling	High/Low									
6 l	Heating	High/Low	m³/min	23/16	31/20	32.5/20.5	31/20	32.5/20.5			
Sound power level	Cooling		dBA	59	64	65	64	65			
	Heating		dBA	59	64	65	64	65			
Sound pressure level	Cooling	High/Low	dBA	41/35	46/39	47/40	46/39	47/40			
	Heating	High/Low	dBA	41/35	46/39	47/40	46/39	47/40			
Refrigerant	Туре					R-32 / R-410A					
Control systems	Infrared remote co	ntrol			BRC7C58						
	Wired remote cont	rol		BRC1D52 / BRC1E53A / BRC1E53B / BRC1E53C							
Power supply	Phase / Frequency	/ Voltage	Hz/V			1~ / 50/60 / 220-240/22	0				
Outdoor unit			RZASG	71MV1	100MV1	125MV1	100MY1	125MY1			
Dimensions	Unit	HeightxWidthxDepth	mm	770x900x320	990x940x320	990x940x320	990x940x320	990x940x320			
Weight	Unit		kg	67	73	74	74	74			
Sound power level	Cooling		dBA	65	69	71	69	71			
Sound pressure level	Cooling	Nom.	dBA	49	53	54	53	54			
	Heating	Nom.	dBA	51	57	58	57	58			
Operation range	Cooling	Min.~Max.	°CDB			-15~46					
	Heating	Min.~Max.	°CWB			-15~15,5					
Refrigerant	Type					R-32					
	Charge		kg	2,45	2,6	2,6	2,6	2,6			
	CWD		TCO₂eq	1,65	1,76	1,76	1,76	1,76			
Dining and addition	GWP	OII III Man		675							
Piping connections	Piping length	OU - IU Max.	m			50					
		System Chargeless	m			30					
Power supply	Phase / Frequency	/ Voltage	Hz/V		1~/50/220-240		3N~/50 /	380-415			

<sup>\*</sup>Note: blue cells contain preliminary data

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

<sup>(2)</sup> 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.

Efficiency data



## 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.



100A +

100MY1

125MY1

140MY1

•				/ 1 MIV 1	TOOMY	125//101	1401/11/1	/ TIMIY T	TOUNTYT	125//11	140//1
Cooling capacity	Nom.		kW	6.80	9.50	12.1	13.4	6.80	9.50	12.1	13.4
Heating capacity	Nom.		kW	7.50	10.8	13.5	15.5	7.50	10.8	13.5	15.5
Power input	Cooling	Nom.	kW	-	-	-	-	-	-	-	-
·	Heating	Nom.	kW	-	-	-	-	-	-	-	-
Seasonal efficiency	Cooling	Energy efficience	v class	A++	A+	-	-	A++	A+	-	-
(according to	J	Pdesign	kW	-	-	-	-	-	-	-	-
EN14825)		SEER		6.81	5.89	-	-	6.81	5.89	-	-
		Annual energy consu	mption kWh	_	-	_	_	-	-	_	_
<u></u>	Heating (Average	Energy efficienc		A+	A+	_	_	A+	A+	_	_
•	climate)	Pdesign	kW	-	-	_	_	-	-	_	_
		SCOP/A	KVV	4.05	4.20	_	_	4.05	4.20	_	_
		Annual energy consu	mption kWh	-	-	_	_		-	_	_
Nominal efficiency	EER	Annual energy consu	impuon kvvii	3.42	4.00	3.27	3.37	3.42	4.00	3.27	3.37
Nominal emciency	COP			3.82	4.00	3.70	3.61	3.82	4.00	3.70	3.61
			1344			3.70		3.82		3./0	
	Annual energy cor	· · · · · · · · · · · · · · · · · · ·	kWh	-	-	-	-	-	-	-	-
	Energy labeling Directive	Cooling/Heating	g	-	-	-	-	-	-	-	-
Indoor unit			FVA	71A	100A	125A	140A	71A	100A	125A	140A
Dimensions	Unit	HeightxWidthx[	Depth mm	1,850x600x270		1,850x600x350	)	1,850x600x270		1,850x600x350	
Weight	Unit		kg	39		47		39		47	
Air filter	Туре		J				Resin net with r	mold resistance	2		
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		dBA	55	62	63	65	55	62	63	65
	Heating		dBA	55	62	63	65	55	62	63	65
Sound pressure level		High/Low	dBA	43/38	50/44	51/46	53/48	43/38	50/44	51/46	53/48
souria pressure level	Heating	High/Low	dBA	43/38	50/44	51/46	53/48	43/38	50/44	51/46	53/48
Refrigerant	Type	r iigii/ Low	авл	13/30	30/11	317-10	R-32 / F		30/11	31740	33/10
Control systems	Wired remote cont	trol				PDC1D5	2 / BRC1E53A /		C1E52C		
Power supply	Phase / Frequency		Hz/V			BICTOS	1~ / 50/60 / 2		CILISC		
rower supply	rilase / Flequelicy	7 voitage	ΠZ / V				1~/30/00/2	220-240/220			
Outdoor unit											140MY1
Dimensions			RZAG	71MV1	100MV1	125MV1	140MV1	71MY1	100MY1	125MY1	
	Unit	HeightxWidthx[	Depth mm	990x940x320	1,430x940x320	1,430x940x320	1,430x940x320	990x940x320	1,430x940x320	1,430x940x320	1,430x940x32
Weight	Unit	HeightxWidthx[	Depth mm kg	990x940x320 71	1,430x940x320 93	1,430x940x320 93	1,430x940x320 93	990x940x320 72	1,430x940x320 93	1,430x940x320 93	1,430x940x32 93
Sound power level	Unit Cooling		Depth mm kg dBA	990x940x320 71 64	1,430x940x320 93 66	1,430x940x320 93 69	1,430x940x320 93 70	990x940x320 72 65	1,430x940x320 93 66	1,430x940x320 93 69	1,430x940x32 93 70
Weight Sound power level Sound pressure level	Unit Cooling Cooling	Nom.	Depth mm kg dBA dBA	990x940x320 71 64 46	1,430x940x320 93 66 47	1,430x940x320 93 69 50	1,430x940x320 93 70 51	990x940x320 72 65 46	1,430x940x320 93 66 47	1,430x940x320 93 69 50	1,430x940x32 93 70 51
Sound power level Sound pressure level	Unit Cooling Cooling Heating	Nom. Nom.	Depth mm kg dBA dBA dBA	990x940x320 71 64	1,430x940x320 93 66	1,430x940x320 93 69	1,430x940x320 93 70 51 52	990x940x320 72 65 46 49	1,430x940x320 93 66	1,430x940x320 93 69	1,430x940x32 93 70
Sound power level Sound pressure level	Unit Cooling Cooling Heating Cooling	Nom. Nom.	Depth mm kg dBA dBA dBA n.~Max. °CDB	990x940x320 71 64 46	1,430x940x320 93 66 47	1,430x940x320 93 69 50	1,430x940x320 93 70 51 52	990x940x320 72 65 46 49	1,430x940x320 93 66 47	1,430x940x320 93 69 50	1,430x940x32 93 70 51
Sound power level Sound pressure level Operation range	Unit Cooling Cooling Heating Cooling Heating	Nom. Nom.	Depth mm kg dBA dBA dBA	990x940x320 71 64 46	1,430x940x320 93 66 47	1,430x940x320 93 69 50	1,430x940x320 93 70 51 52 -20	990x940x320 72 65 46 49 -52 ~18	1,430x940x320 93 66 47	1,430x940x320 93 69 50	1,430x940x32 93 70 51
Sound power level Sound pressure level Operation range	Unit Cooling Cooling Heating Cooling Heating Type	Nom. Nom.	Depth mm kg dBA dBAMax. °CDB nMax. °CWB	990x940x320 71 64 46 49	1,430x940x320 93 66 47 51	1,430x940x320 93 69 50 52	1,430x940x320 93 70 51 52 -20- R-3	990x940x320 72 65 46 49 -52 ~18	1,430x940x320 93 66 47 51	1,430x940x320 93 69 50 52	1,430x940x32 93 70 51 52
Sound power level Sound pressure level Operation range	Unit Cooling Cooling Heating Cooling Heating	Nom. Nom.	Depth         mm           kg         dBA           dBA         dBA          Max.         °CDB          Max.         °CWB           kg         kg	990x940x320 71 64 46 49	1,430x940x320 93 66 47 51	1,430x940x320 93 69 50 52	1,430x940x320 93 70 51 52 -20 -20 R-3	990x940x320 72 65 46 49 -52 ~18 32 2,95	1,430x940x320 93 66 47 51	1,430x940x320 93 69 50 52	1,430x940x32 93 70 51 52
Sound power level Sound pressure level Operation range	Unit Cooling Cooling Heating Cooling Heating Type	Nom. Nom.	Depth mm kg dBA dBAMax. °CDB nMax. °CWB	990x940x320 71 64 46 49	1,430x940x320 93 66 47 51	1,430x940x320 93 69 50 52	1,430x940x320 93 70 51 52 -20- -20- R-3 3,75 2,53	990x940x320 72 65 46 49 -52 ~18 32 2,95 1,99	1,430x940x320 93 66 47 51	1,430x940x320 93 69 50 52	1,430x940x32 93 70 51 52
Sound power level Sound pressure level Operation range Refrigerant	Unit Cooling Cooling Heating Cooling Heating Type Charge GWP	Nom. Nom. Mir	Depth mm kg dBA dBA dBA nMax. °CDB nMax. °CWB	990x940x320 71 64 46 49 2,95 1,99	1,430x940x320 93 66 47 51 3,75 2,53	1,430x940x320 93 69 50 52 3,75 2,53	1,430x940x320 93 70 51 52 -20- 200 R-3 3,75 2,53	990x940x320 72 65 46 49 -52 ~18 32 2,95 1,99	1,430x940x320 93 66 47 51 3,75 2,53	1,430x940x320 93 69 50 52 3,75 2,53	1,430x940x32 93 70 51 52 3,75 2,53
Sound power level	Unit Cooling Cooling Heating Cooling Heating Type Charge	Nom. Nom. Mir Mor	Depth mm kg dBA dBA dBA nMax. °CDB nMax. °CWB	990x940x320 71 64 46 49	1,430x940x320 93 66 47 51	1,430x940x320 93 69 50 52	1,430x940x320 93 70 51 52 -20- -20- R-3 3,75 2,53	990x940x320 72 65 46 495218 32 2,95 1,99 75 55	1,430x940x320 93 66 47 51	1,430x940x320 93 69 50 52	1,430x940x320 93 70 51 52

71A+

71MV1

FVA + RZAG

100A +

100MV1

125MV1

140MV1

71MY1



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

<sup>(2)</sup> 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

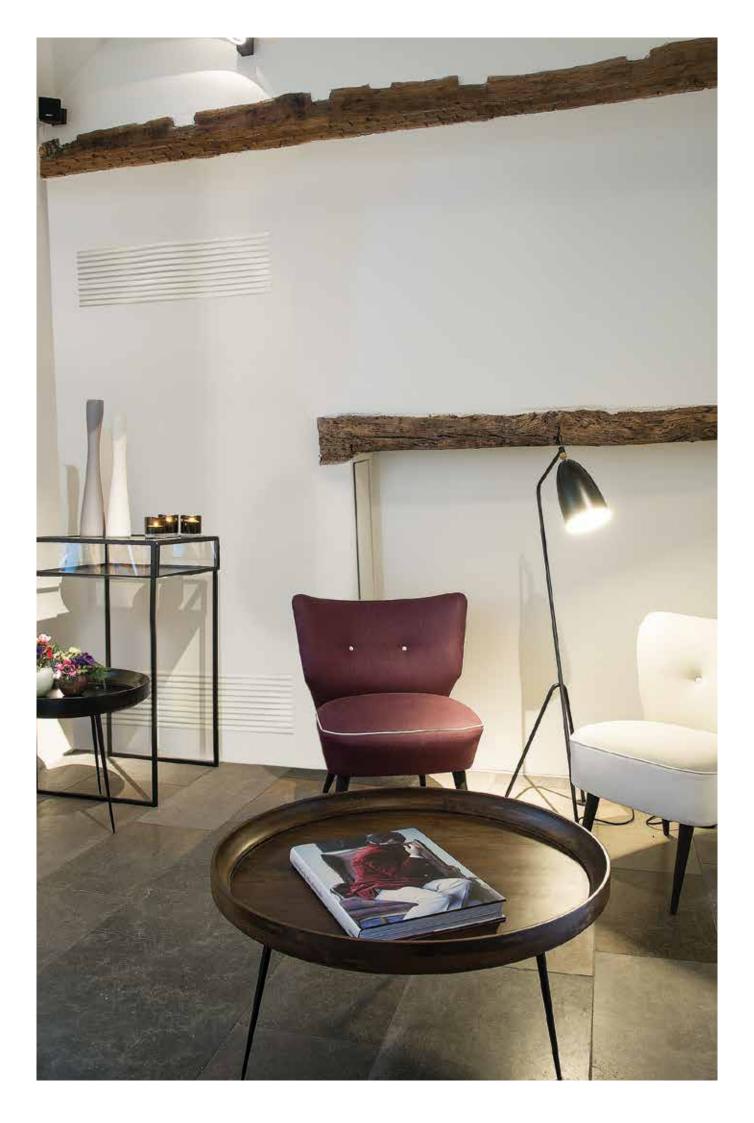


Efficiency data			FVA + RZASG	71A + 71MV1	100A + 100MV1	125A + 125MV1	140A + 140MV1	100A + 100MY1	140A + 140MY1	
Cooling capacity	Nom.		kW	6.80	9.50	12.1	13.4	9.50	12.1	13.4
Heating capacity	Nom.		kW	7.50	10.8	13.5	15.5	10.8	13.5	15.5
Power input	Cooling	Nom.	kW	-	-	-	-	-	-	-
	Heating	Nom.	kW	-	-	-	-	-	-	-
Seasonal efficiency	Cooling	Energy efficiency c	ass	A+	A+	-	-	A+	-	-
(according to EN14825)		Pdesign	kW	-	-	-	-	-	-	-
		SEER		5.83	5.72	-	-	5.72	-	-
		Annual energy consumpt	ion kWh	-	-		-	-		-
	Heating (Average	Energy efficiency c	ass	Α	A+	-	-	A+	-	-
•	climate)	Pdesign	kW	-	-	-	-	-	-	-
		SCOP/A		3.86	4.01	-	-	4.01	-	-
		Annual energy consumpt	ion kWh	-	-	-	-	-	-	-
Nominal efficiency	EER	3)		3.21	3.37	2.81	3.16	3.37	2.81	3.16
,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	COP			3.69	3.65	3.47	3.41	3.65	3.47	3.41
	Annual energy cor	nsumption	kWh	-	-	-	-	-	-	-
	Energy labeling Directive	Cooling/Heating		_	_	-	-	_	_	-
						1				I
Indoor unit			FVA	71A	100A	125A	140A	100A	125A	140A
Dimensions	Unit	HeightxWidthxDep	th mm	1,850x600x270			1,850x	600x350		
Weight	Unit		kg	39			4	<del>1</del> 7		
Air filter	Туре					Resin	net with mold res	sistance		
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		dBA	55	62	63	65	62	63	65
	Heating		dBA	55	62	63	65	62	63	65
Sound pressure level	Cooling	High/Low	dBA	43/38	50/44	51/46	53/48	50/44	51/46	53/48
·	Heating	High/Low	dBA	43/38	50/44	51/46	53/48	50/44	51/46	53/48
Refrigerant	Type				'	'	R-32 / R-410A	'		
Control systems	Wired remote cont	trol				BRC1D52 / BR	C1E53A / BRC1E5	3B /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	HeightxWidthxDep		770x900x320	990x940x320	990x940x320	990x940x320	990x940x320	990x940x320	990x940x320
Weight	Unit		kg	67	73	74	81	74	74	81
Sound power level	Cooling		dBA	65	69	71	72	69	71	72
Sound pressure level	Cooling	Nom.	dBA	49	53	54	55	53	54	55
	Heating	Nom.	dBA	51	57	58	59	57	58	59
Operation range	Cooling	Min.~N					-15~46			
	Heating	Min.~	Лах. °CWB				-15~15,5			
Refrigerant	Type					1	R-32			
	Charge		kg	2,45	2,6	2,6	2,9	2,6	2,6	2,9
	CIMP		TCO₂eq	1,65	1,76	1,76	1,96	1,76	1,76	1,96
Dining connections	GWP Dining langth	OU - IU Max.					675			
Piping connections	Piping length	System Charge	eless m				50			
		, ,					30			
Power supply	Phase / Frequency	/ Voltage	Hz/V		1~/50/	220-240			3N~/50 / 380-415	5

<sup>\*</sup>Note: blue cells contain preliminary data

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

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



#### **BLUEVOLUTION**

## Concealed floor standing unit

### Designed to be concealed in walls

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

#### > Unified range for R-32 and R-410A simplifying stock

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





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

Indoor unit				FNA	25A	35A	50A	60A		
Dimensions	Unit	HeightxWio	dthxDepth	mm	620 / 720(2	x750x200	620 / 720(2	620 / 720(2)x1,150x200		
Weight	Unit kg			23	}		30			
Air filter	Туре					Resin net with	mold resistance			
Fan - Air flow rate	Cooling	Cooling High/Low			8.7/	7.3	16.0	0/13.5		
	Heating High/Low m			m³/min	8.7/	7.3	16.0	0/13.5		
Fan - External static pressure	High/Nom./Maximum available/High			Pa	48/3	0/-	49	/40/-		
Sound power level	Cooling			dBA	53	}		56		
Sound pressure level	Cooling	High/Low		dBA	33/	28	36	5/30		
	Heating	High/Low		dBA	33/	28	36	5/30		
Refrigerant	Туре					R-32 /	R-410A			
Control systems	Infrared remote co	ontrol			BRC4C65					
	Wired remote con	trol			BRC1D52 / BRC1E53A / BRC1E53B / BRC1E53C					
Power supply	Phase / Frequency / Voltage Hz / V				1~/50/60/220-240/220					
Outdoor unit RXM					25M9	35M9	50M9	60M		
Dimensions	Unit	HeightxWid	dthxDepth	mm	550x76	5x285				
Weight	Unit			kg	32	2		44		
Sound power level	Cooling			dBA	59	61		63		
	Heating			dBA	59	61	62	63		
Sound pressure level	Cooling	High/Low		dBA	46/-	49/-	48	3/44		
	Heating	High/Low		dBA	47/-	49/-	49	9/45		
Operation range	Cooling	Ambient	Min.~Max.	°CDB		-10	~46			
	Heating	Ambient	Min.~Max.	°CWB		-15	~18			
Refrigerant	Туре				R-32					
	Charge			kg	0.7	6	1.4	1.45		
				TCO₂eq	0.	5	0.9	1.0		
	GWP				675					
Piping connections	Liquid	OD		mm	6.35					
	Gas	OD		mm	9.					
	Piping length	OU - IU	Max.	m	30 30					
		System	Chargeless	m	10					
	Additional refriger			kg/m			gth exceeding 10m)			
	Level difference	IU - OU	Max.	m	20	)	20			

<sup>\*</sup>Note: blue cells contain preliminary data

Phase / Frequency / Voltage

Maximum fuse amps (MFA)

Power supply

Current - 50Hz

10

1~/50/220-240

15

Hz/V

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

<sup>(2)</sup> 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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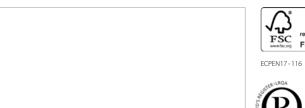
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