

Product catalogue 2024 for professionals



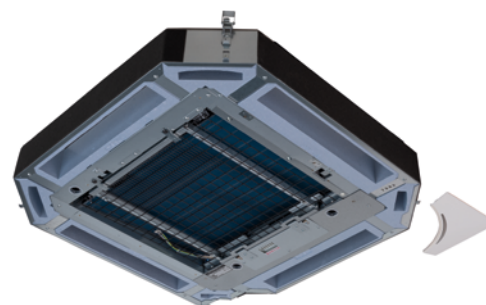
What's new?

UV Streamer kit – BAEF125AWB



p. 20

- Purifies the air of pollutants such as viruses, bacteria, fine dust, odours, allergens, etc ensuring a healthy and hygienic indoor environment
- Removes 99.9% of viruses in 30 minutes thanks to the Catch and Clean approach
 - Highly efficient ISO ePM1 60% filter (F7)
 - UV light and Streamer technology for cleaning and decomposition of pollutants
- Can be retrofitted into existing installations
- Can be used with BYCQ140E and BYCQ140EW decoration panels



New Sky Air Active-series combinations

p. 49

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



Biddle air curtains - CYA

p. 58

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



Daikin Cloud Plus

p. 124

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



Follow energy consumption via Onecta app

p. 110

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



Sky Air

Light commercial applications

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We're on a mission to build a sustainable legacy

It is in our DNA to provide safe, healthy and comfortable spaces throughout the building life cycle using world-leading technology. Driven by a dedication to achieve net zero CO₂ emissions by 2050, we work together with our partners and customers in helping to create a world with healthier indoor air and minimal environmental impact

Our sustainability values

Supporting decarbonisation

Our solutions are designed to **support your sustainable goals by reducing the CO₂ footprint of buildings**, whether they are new builds or renovation.



We continuously develop products with lower CO₂ footprint



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



We reuse materials where possible, including refrigerants

A collective journey

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



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



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



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

Building for the future

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



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



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

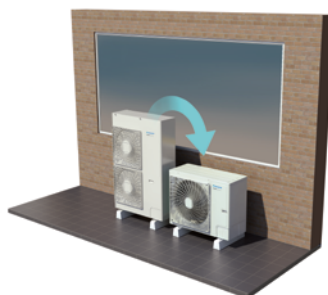


Our solutions are in line with or ahead of legislation, proving you complete peace of mind

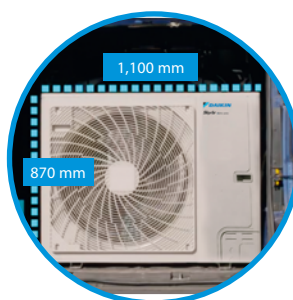
Low height.
High value.



Unique, low-height
single fan range



Compact unit,
easy to transport

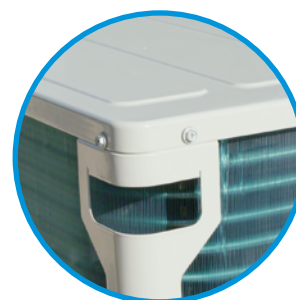


Market-leading
serviceability
and handling



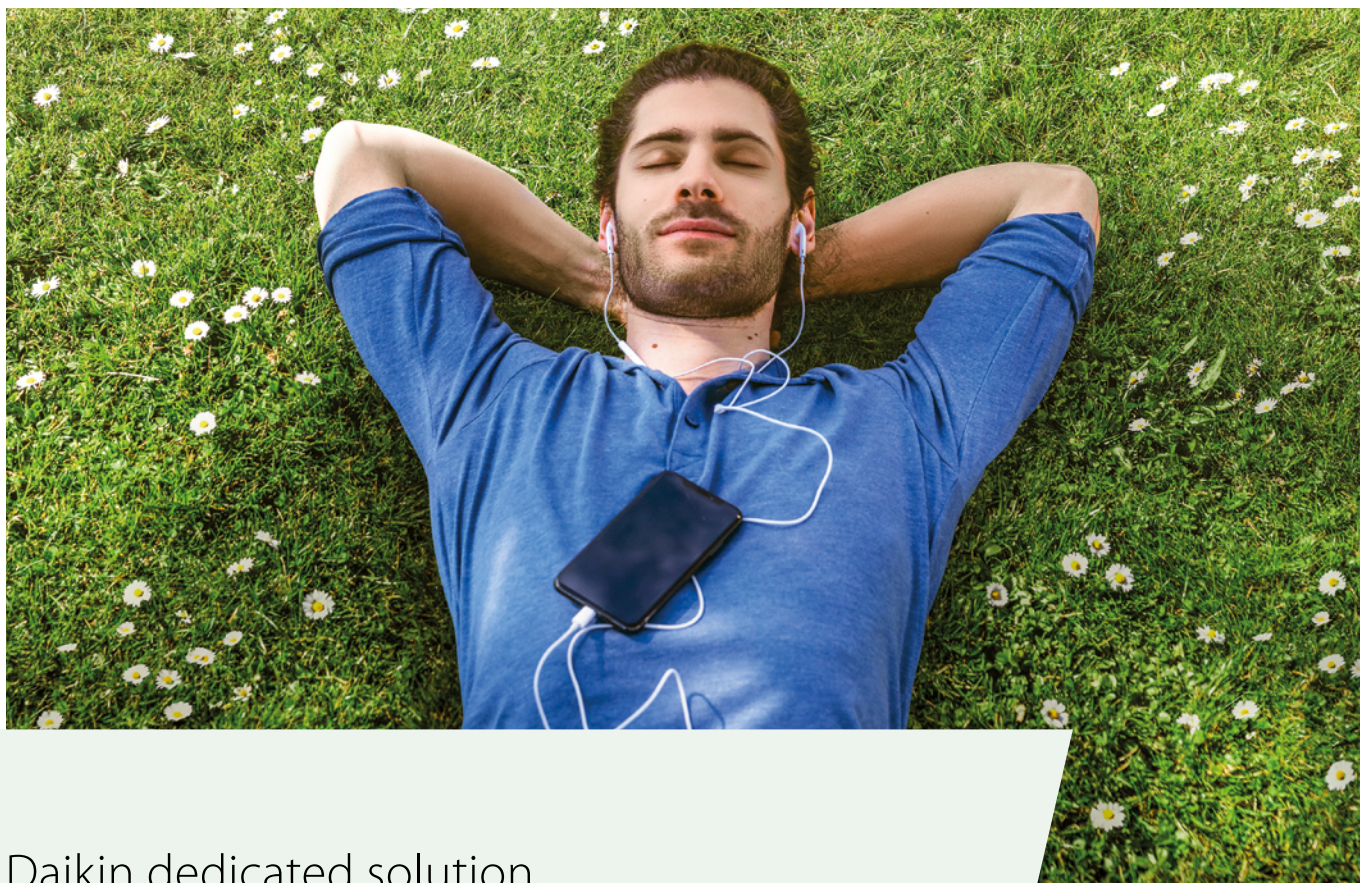
Fast and easy access to all critical
component

- Single screw access
- Wider access area



Newly positioned handle for
easier carrying

The smart way for sound reduction



Daikin dedicated solution for sound reduction

Meet strict sound requirements, while increasing flexibility to apply Sky Air and VRV heat pumps thanks to sound power reduction of up to 10 dB(A).

- **Guaranteed high performance:** optimised design to keep the capacity and air flow as close as possible to the standard conditions
- **Faster and reliable planning:** no calculations or estimations necessary thanks to tested data according to ISO 3744
- **Perfect fit:** specially designed for Sky Air and VRV heat pumps
- **Maximum flexibility:** can be installed and retrofitted on any plain surface
- **Easy access:** simple and fast installation and maintenance through large side panels with fast locks
- **Designed to be discreet:** tailor-made low height design; highly aesthetic finishing and smooth surface in anthracite colour-tone



www.daikin.eu/en_us/products/ekln-a.html

SkyAir **VRV**

7 Reasons why sky air is unique in the market

1 Full Sky Air R-32 range delivering future-proofed, best-in-class climate control

SkyAir A-series **BLUEVOLUTION**

More details
on page 62



System	Type	Model	Product name	35	50	60	71	100	125	140	200	250
Air cooled	Heat pump	SkyAir Alpha-series - Industry leading technology for commercial applications - Dedicated solution for infrastructure cooling - Variable Refrigerant Temperature (RZAG71-100-125-140 series) - Maximum piping length up to 85m (50m for RZAG35-50-60) - Replacement technology - Extended operation range down to -20°C in both heating and cooling - Pair, twin, triple and double twin application (RZAG71-100-125-140 series) R-32 A++ (A+++ - D)	RZAG-A RZAG-NV1/NY1									
		SkyAir Advance-series - Technology and comfort combined for commercial applications - Very compact and easy to install outdoor units - Maximum piping length up to 50m (RZA-D up to 100m) - Replacement technology - Operation range down to -15°C both cooling and in heating (RZA-D down to -20°C) - Pair, twin, triple and double twin application R-32 A+ (A+++ - D)	RZASG-MV(1)/MY(1)									
		SkyAir Active-series - Ideal solution for busy environments and small shops - Very compact and easy to install outdoor units - Maximum piping length up to 30m - Replacement technology - Easy-to-mount outdoor units: roof, terrace or wall - Exclusively offered for pair applications R-32 A (A+++ - D)	ARXM-R AZAS-MV/MY									

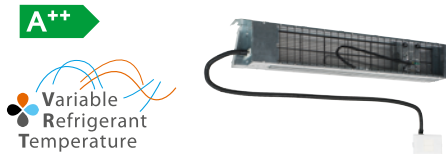
Full indoor line up

(over 45 different models)



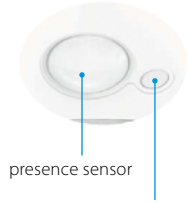
2 High energy efficiency

- **Top seasonal efficiency**
 - SEER up to 8.02 and A++ label in cooling and heating
 - Variable Refrigerant Temperature that automatically adapts the refrigerant temperature to the load
- Round flow and concealed ceiling units with **auto cleaning filter**



3 Best comfort

- **Variable Refrigerant Temperature** preventing cold draughts
- **Low sound** indoor and outdoor units
- **Presence and floor sensors** direct the air flow away from persons, while ensuring an even temperature distribution
- Operation down to **-20°C in heating and cooling operation**
- **NEW UV Streamer kit**, purifies the air of pollutants such as viruses, bacteria, fine dust (PM1), odours, allergens, etc
- Fresh air intake integrated in indoor unit



presence sensor
floor sensor

4 Top reliability

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



bottom plate refrigerant pass

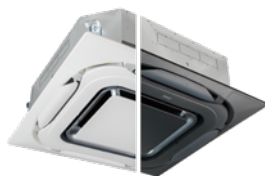
5 Market leading controls

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



6 Superior aesthetics

- **Fully flat cassette** design unit that integrates fully flat into the ceiling
- **Auto cleaning** units ensure dirt-free ceilings with high efficiency filters for regular and dust prone areas
- Widest ever range cassette panels
 - Available in **white and black**
 - Sleek **designer panel** range



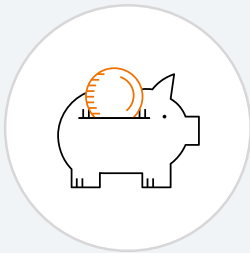
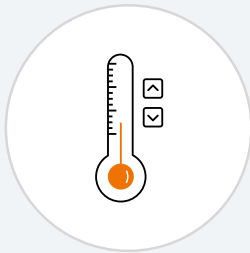
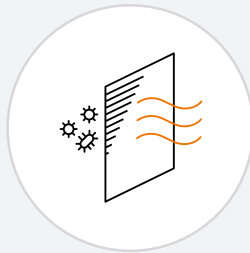
7 Unique installation benefits

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



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

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

			
Energy efficient for sustainability and savings	Effortless temperature control, maximum comfort	Optimal indoor air quality	Sleek, elegant design

Designed to suit any space

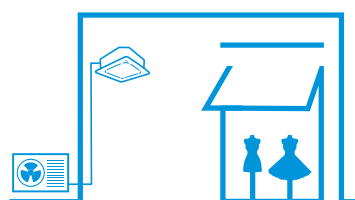
Having the widest range on the market, Sky Air units will always fit your needs.

 Cassette units - Centrally located for balanced comfort - Mounted against or in the ceiling, leaving maximum space at the walls	 Concealed ceiling unit - Discreetly concealed in the ceiling - Only the grilles are visible	 Wall mounted - For installation high on the wall - Ideal for above indoor installations	 Floor standing - For installation on the ground - This unit can be fit beneath a window
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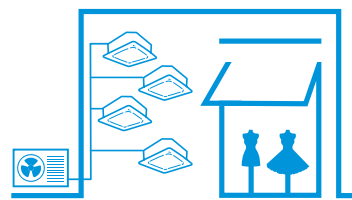
Tackle any size of room

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

Pair solution



Twin, triple, double twin solution



A total building solution

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

 Heating and cooling for year round comfort	 Fresh air ventilation for high quality environments	 Controls for maximum operating efficiency	 Air curtains for optimum air separation
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Typical Sky Air applications

Shops

Reducing retail costs

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



youtube.com/
DaikinEurope

Shops



Offices

Efficiency in the workplace

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



youtube.com/
DaikinEurope

Office



Hotel

Hospitality with economy

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



Residential

There is no place like home

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



Infrastructure cooling

Maximum reliability for IT rooms, laboratories and telecom shelters

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





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

High COP, round flow cassette

360° air discharge for optimum efficiency and comfort

- Combination with Sky Air Alpha-series ensures best in class quality, highest efficiency and performance
- High COP cassette ensures top performance and great energy savings
- Optional automatic filter cleaning panel results in higher efficiency & comfort and lower maintenance costs.
- Individual flap control: flexibility to suit every room layout without changing the location of the unit!
- Widest choice ever in decoration panels: designer panels in white (RAL9010) and black (RAL9005) and standard panels in white (RAL9010) with grey louvers or full white
- Bigger flaps and unique swing pattern improve equal air distribution
- 5 different fan speeds available for maximum comfort
- UV streamer kit, purifies the air of pollutants such as viruses, bacteria, fine dust, odours, allergens, etc ensuring a healthy and hygienic indoor environment
- Optional fresh air intake
- Branch duct discharge allows to optimize air distribution in irregular shaped rooms or to supply air to small adjacent rooms
- Standard drain pump with 675mm lift increases flexibility and installation speed



FCAHG-H

RZAG-NV1

RZAG-NY1

Efficiency data				FCAHG + RZAG		71H + 71NV1	100H + 100NV1	125H + 125NV1		140H + 140NV1		71H + 71NY1	100H + 100NY1	125H + 125NY1		140H + 140NY1		
Cooling capacity	Nom.			kW		6.80	9.50		12.1	13.4		6.80	9.50		12.1	13.4		
Heating capacity	Nom.			kW		7.50	10.8		13.5	15.5		7.50	10.8		13.5	15.5		
Space cooling	Energy efficiency class					A++			-			A++			-			
	Capacity	Pdesign		kW		6.80	9.50		12.1	13.4		6.80	9.50		12.1	13.4		
	SEER					7.90	7.70		8.02	7.93		7.90	7.70		8.02	7.93		
	ηs,c			%		-	-		318	314		-	-		318	314		
	Annual energy consumption			kWh/a		301	432		905	1,014		301	432		905	1,014		
Space heating (Average climate)	Energy efficiency class					A++			-			A+		A++			-	
	Capacity	Pdesign		kW		4.70	-		9.52	-		4.70	-		9.52	-		
	SCOP/A					4.61	4.75		4.53	4.44		4.56	4.75		4.53	4.44		
	ηs,h			%		-	-		178	175		-	-		178	175		
	Annual energy consumption			kWh/a		1,427	2,805		2,943	3,002		1,443	2,805		2,943	3,002		
Indoor unit				FCAHG	71H	100H	125H	140H	71H	100H	125H	140H						
Dimensions	Unit	HeightxWidthxDepth		mm	288x840x840													
Weight	Unit			kg	25.0													
Air filter	Type				Resin net													
Decoration panel	Model				Standard panels: BYCQ140E - white with grey louvers / BYCQ140EW - full white / BYCQ140EB - black Auto cleaning panels: BYCQ140EGF - white / BYCQ140EGFB - black Designer panels: BYCQ140EP - white / BYCQ140EPB - black													
	Dimensions	HeightxWidthxDepth		mm	Standard panels: 65x950x950 / Auto cleaning panels: 148x950x950 / Designer panels: 106x950x950													
Fan	Weight			kg	Standard panels: 5.5 / Auto cleaning panels: 10.3 / Designer panels: 6.5													
	Air flow rate	Cooling	Low/Medium/High	m³/min	13.7/18.8/23.6	19.1/25.7/32.2	21.2/27.3/34.4		13.7/18.8/23.6	19.1/25.7/32.2	21.2/27.3/34.4		13.7/18.8/23.6	19.1/25.7/32.2	21.2/27.3/34.4			
Sound power level	Heating	Low/Medium/High	m³/min	13.7/18.8/23.6	18.3/24.6/30.8	19.7/25.5/32.1		13.7/18.8/23.6	18.3/24.6/30.8	19.7/25.5/32.1		13.7/18.8/23.6	18.3/24.6/30.8	19.7/25.5/32.1				
	Cooling			dBA	53.0	61.0		53.0	61.0		53.0	61.0		53.0	61.0			
Sound pressure level	Heating			dBA	53.0	61.0		53.0	61.0		53.0	61.0		53.0	61.0			
	Cooling	Low/High		dBA	29.0/36.0	33.0/44.0	35.0/45.0	37.0/45.0	29.0/36.0	33.0/44.0	35.0/45.0	37.0/45.0	29.0/36.0	33.0/44.0	35.0/45.0	37.0/45.0		
Control systems	Heating	Low/High		dBA	29.0/36.0	33.0/44.0	35.0/45.0	37.0/45.0	29.0/36.0	33.0/44.0	35.0/45.0	37.0/45.0	29.0/36.0	33.0/44.0	35.0/45.0	37.0/45.0		
	Infrared remote control				BRC7FA532F / BRC7FB532F / BRC7FA532FB / BRC7FB532FB													
Power supply	Wired remote control				BRC1H52W/S/K / BRC1E53A / BRC1E53B / BRC1E53C / BRC1D52													
	Phase/Frequency/Voltage				1~/50/60/220-240/220													
Piping connections	Drain				VP25 (I.D. 25/O.D. 32)													
Outdoor unit				RZAG	71NV1	100NV1	125NV1	140NV1	71NY1	100NY1	125NY1	140NY1						
Dimensions	Unit	HeightxWidthxDepth		mm	870x1,100x460													
Weight	Unit			kg	81	85	95		81	85	94		81	85	94			
Sound power level	Cooling			dBA	64	66	69		70	64	66	69		70	64	66	69	
	Heating			dBA	-	-	68		71	-	-	68		71	-	-	68	
Sound pressure level	Cooling	Nom.		dBA	46	47	49		50	46	47	49		50	46	47	49	
	Heating	Nom.		dBA	48	50	52		48	50	52		48	50	52			
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-20~52													
	Heating	Ambient	Min.~Max.	°CWB	-20~18													
Refrigerant	Type/GWP				R-32/675													
	Charge			kg/TCO2Eq	3.20/2.16		3.70/2.50		3.20/2.16		3.70/2.50		3.20/2.16		3.70/2.50			
Piping connections	Liquid/Gas OD				9.52/15.9													
	Piping length	OU - IU	Max.	m	55	85		55	85		55	85		55	85			
		System	Equivalent	m	75	100		75	100		75	100		75	100			
			Chargeless	m	40													
		Level difference	IU - OU	Max.	m	30												
Power supply	Additional refrigerant charge				See installation manual													
	Phase/Frequency/Voltage				1~/50 / 220-240													
Current - 50Hz	Maximum fuse amps (MFA)				A	20	32		20	32		20	32		20	32		

Contains fluorinated greenhouse gases

Round flow cassette

360° air discharge for optimum efficiency and comfort

- Combination with Sky Air Alpha-series ensures best in class quality, highest efficiency and performance
- Optional automatic filter cleaning panel results in higher efficiency & comfort and lower maintenance costs
- Two optional intelligent sensors improve energy efficiency and comfort
- Individual flap control: flexibility to suit every room layout without changing the location of the unit!
- Lowest installation height in the market: 214mm for class 20-63
- Widest choice ever in decoration panels: designer panels in white (RAL9010) and black (RAL9005) and standard panels in white (RAL9010) with grey louvers or full white
- Bigger flaps and unique swing pattern improve equal air distribution
- UV streamer kit, purifies the air of pollutants such as viruses, bacteria, fine dust, odours, allergens, etc ensuring a healthy and hygienic indoor environment
- Optional fresh air intake
- Branch duct discharge allows to optimize air distribution in irregular shaped rooms or to supply air to small adjacent rooms
- Standard drain pump with 675mm lift increases flexibility and installation speed



				FCAG-B				RZAG-A				RZAG-NV1				RZAG-NY1						
Efficiency data				FCAG + RZAG				35B + 35A	50B + 50A	60B + 60A	71B + 71NV1	100B + 100NV1	125B + 125NV1	140B + 140NV1	71B + 71NY1	100B + 100NY1	125B + 125NY1	140B + 140NY1				
Cooling capacity	Nom.			kW	1.6/3.5/4.5			1.7/5.0/6.0	1.7/6.0/6.5	-/6.80/-		-/9.50/-		-/12.1/-		-/13.4/-		-/13.4/-				
Heating capacity	Nom./Max.			kW	140/4.00/5.00			150/5.80/6.00	160/7.00/7.50	-/7.50/-		-/10.8/-		-/13.5/-		-/15.5/-		-/15.5/-				
Space cooling	Energy efficiency class							A++						A++								
	Capacity	Pdesign		kW	3.50			5.00	6.00	6.80	9.50	12.1	13.4	6.80	9.50	12.1	13.4	6.80	9.50			
	SEER				7.30			6.80	6.60	6.83	7.14	7.15	6.80	6.83	7.14	7.15	6.80	6.83	7.14			
Space heating (Average climate)	ηs,c			%				-			283			269			283					
	Annual energy consumption			kWh/a	168			257	318	348	466	1,016	1,182	348	466	1,016	1,182	348	466			
	Energy efficiency class							A+						A+								
	Capacity	Pdesign		kW	3.30			4.30	4.60	4.70	7.80	9.52	4.70	7.80	9.52	4.70	7.80	9.52	4.70			
	SCOP/A				4.30				4.25	4.22	4.53	4.34	4.22	4.53	4.34	4.22	4.53	4.34	4.22			
	ηs,h			%				-			171			-			171					
Annual energy consumption				kWh/a	1,074			1,398	1,515	1,560	2,413	3,071	3,071	1,560	2,413	3,071	3,071	1,560	2,413			
Indoor unit				FCAG				35B	50B	60B	71B	100B	125B	140B	71B	100B	125B	140B				
Dimensions	Unit	HeightxWidthxDepth		mm	204x840x840						246x840x840			204x840x840			246x840x840					
Weight	Unit			kg	18			19			21			23			21					
Air filter	Type										Resin net											
Decoration panel	Model										Standard panels: BYCQ140E - white with grey louvers / BYCQ140EW - full white / BYCQ140EB - black Auto cleaning panels: BYCQ140EGF - white / BYCQ140EGFB - black Designer panels: BYCQ140EP - white / BYCQ140EPB - black											
	Dimensions	HeightxWidthxDepth		mm							Standard panels: 65x950x950 / Auto cleaning panels: 148x950x950 / Designer panels: 106x950x950											
	Weight			kg							Standard panels: 5.5 / Auto cleaning panels: 10.3 / Designer panels: 6.5											
Fan	Air flow rate	Cooling	Low/Medium/High	m³/min	8.8/10.6/12.9			9.4/11.8/14.6	9.6/12.2/14.9	10.8/13.0/15.1	13.0/17.8/22.7	13.1/20.4/27.2	10.8/13.0/15.1	13.0/17.8/22.7	13.1/20.4/27.2	10.8/12.9/15.1	13.2/18.1/23.0	13.0/20.2/27.0	13.1/20.4/27.2			
		Heating	Low/Medium/High	m³/min	9.4/11.6/14.1			9.4/11.8/14.6	9.6/12.2/14.9	10.8/12.9/15.1	13.2/18.1/23.0	13.0/20.2/27.0	10.8/12.9/15.1	13.2/18.1/23.0	13.0/20.2/27.0	10.8/12.9/15.1	13.2/18.1/23.0	13.0/20.2/27.0	13.1/20.4/27.2			
Sound power level	Cooling			dBA	49.0			51.0			54.0			58.0			51.0			54.0		
	Heating			dBA	49.0			51.0			54.0			58.0			51.0			54.0		
Sound pressure level	Cooling	Low/High		dBA	27.0/31.0			28.0/33.0			28.0/35.0			29.0/37.0			28.0/35.0			29.0/37.0		
	Heating	Low/High		dBA	27.0/31.0			28.0/33.0			29.0/37.0			29.0/41.0			28.0/33.0			29.0/37.0		
Control systems	Infrared remote control										BRC7FA532F / BRC7FB532F / BRC7FA532FB / BRC7FB532FB											
	Wired remote control										BRC1H52W/S/K / BRC1E53A / BRC1E53B / BRC1E53C / BRC1D52											
Power supply	Phase/Frequency/Voltage			Hz/V							1~/50/60/220-240/220											
Piping connections	Drain										VP25 (O.D. 32 / I.D. 25)											
Outdoor unit				RZAG				35A	50A	60A	71NV1	100NV1	125NV1	140NV1	71NY1	100NY1	125NY1	140NY1				
Dimensions	Unit	HeightxWidthxDepth		mm	734x870x373						870x1,100x460											
Weight	Unit			kg	52						81			85			94					
Sound power level	Cooling			dBA	62.0			63.0			64			66			69					
	Heating			dBA	62.0			63.0			-			68			71					
Sound pressure level	Cooling	Nom.		dBA	48.0			49.0			50.0			46			47					
	Heating	Nom.		dBA	48.0			49.0			50.0			48			50					
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-20~52									-20~52								
	Heating	Ambient	Min.~Max.	°CWB	-20~24									-20~18								
Refrigerant	Type/GWP				R-32/675.0									R-32/675								
	Charge			kg/TCO2Eq	1.55/1.05						3.20/2.16			3.70/2.50			3.20/2.16					
	Liquid/Gas OD			mm	6.35/9.52			6.35/12.7						9.52/15.9								
Piping connections	Piping length	OU - IU	Max. System	m	50						55			85			55					
			Equivalent	m	-						75			100			75					
			Chargeless	m	30									40								
			Max.	m	30.0									30								
		Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 30m)									See installation manual							
Power supply	Phase/Frequency/Voltage			Hz/V							1~/50 / 220-240						3~/50 / 380-415					
Current - 50Hz	Maximum fuse amps (MFA)			A	-						20			32			16					

Round flow cassette

360° air discharge for optimum efficiency and comfort

- Combination with Sky Air Advance-series ensures good value for money for all types of commercial applications
- Optional automatic filter cleaning panel results in higher efficiency & comfort and lower maintenance costs.
- Two optional intelligent sensors improve energy efficiency and comfort
- Widest choice ever in decoration panels: designer panels in white (RAL9010) and black (RAL9005) and standard panels in white (RAL9010) with grey louvers or full white
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FCAG-B				RZASG-MV1		RZASG-MY1		RZASG-MV		RZASG-MY			
Efficiency data				FCAG + RZASG		71B + 71MV1	100B + 100MV(1)	125B + 125MV(1)	140B + 140MV(1)	100B + 100MY(1)	125B + 125MY(1)	140B + 140MY(1)	
Cooling capacity	Nom.			kW	6.80	9.50	12.1	13.4	9.50	12.1	13.4		
Heating capacity	Nom.			kW	7.50	10.8	13.5	15.5	10.8	13.5	15.5		
Space cooling	Energy efficiency class				A++		-		A++		-		
	Capacity	Pdesign		kW	6.80	9.50	12.1	13.4	9.50	12.1	13.4		
	SEER				6.47	6.55	5.76	6.53	6.55	5.76	6.53		
	ηs,c			%	-	-	227	258	-	227	258		
Space heating (Average climate)	Annual energy consumption			kWh/a	368	507	1,261	1,231	507	1,261	1,231		
	Energy efficiency class				A+		-		A+		-		
	Capacity	Pdesign		kW	4.50	6.00	7.80	7.80	6.00	7.80	7.80		
	SCOP/A				4.10	4.17	4.05	4.31	4.17	4.05	4.31		
	ηs,h			%	-	-	159	169	-	159	169		
Annual energy consumption				kWh/a	1,537	2,016	2,074	2,534	2,016	2,074	2,534		
Indoor unit				FCAG	71B	100B	125B	140B	100B	125B	140B		
Dimensions	Unit	HeightxWidthxDepth		mm	204x840x840		246x840x840						
Weight	Unit			kg	21		23						
Air filter	Type				Resin net								
Decoration panel	Model				Standard panels: BYCQ140E - white with grey louvers / BYCQ140EW - full white / BYCQ140EB - black Auto cleaning panels: BYCQ140EGF - white / BYCQ140EGFB - black Designer panels: BYCQ140EP - white / BYCQ140EPB - black								
					Standard panels: 65x950x950 / Auto cleaning panels: 148x950x950 / Designer panels: 106x950x950								
					Standard panels: 5.5 / Auto cleaning panels: 10.3 / Designer panels: 6.5								
Fan	Air flow rate	Cooling	Low/Medium/High	m³/min	10.8/13.0/15.1	13.0/17.8/22.7	13.1/20.4/27.2		13.0/17.8/22.7		13.1/20.4/27.2		
		Heating	Low/Medium/High	m³/min	10.8/12.9/15.1	13.2/18.1/23.0	13.0/20.2/27.0		13.2/18.1/23.0		13.0/20.2/27.0		
Sound power level	Cooling			dBA	51.0	54.0	58.0		54.0		58.0		
	Heating			dBA	51.0	54.0	58.0		54.0		58.0		
Sound pressure level	Cooling	Low/Medium/High		dBA	28.0/31.0/35.0	29.0/33.0/37.0	29.0/35.0/41.0		29.0/33.0/37.0		29.0/35.0/41.0		
	Heating	Low/Medium/High		dBA	28.0/31.0/33.0	29.0/33.0/37.0	29.0/35.0/41.0		29.0/33.0/37.0		29.0/35.0/41.0		
Control systems	Infrared remote control				BRC7FA532F / BRC7FB532F / BRC7FA532FB / BRC7FB532FB								
	Wired remote control				BRC1H52W/S/K / BRC1E53A / BRC1E53B / BRC1E53C / BRC1D52								
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220								
Outdoor unit				RZASG	71MV1	100MV(1)	125MV(1)	140MV(1)	100MY(1)	125MY(1)	140MY(1)		
Dimensions	Unit	HeightxWidthxDepth		mm	770x900x320		990x940x320						
Weight	Unit			kg	60		70 (MV1) / 72 (MV)		78 (MV1) / 79 (MV)		70 (MY1) / 72 (MY)		
Sound power level	Cooling			dBA	65		70		73		70		
	Heating			dBA	-		71		73		71		
Sound pressure level	Cooling	Nom.		dBA	46		53		54		53		
	Heating	Nom.		dBA	47		-		57		-		
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-		-15~46		-		-		
	Heating	Ambient	Min.~Max.	°CWB	-		-15~-15.5		-		-		
Refrigerant	Type/GWP				R-32/675								
	Charge			kg/TCO2Eq	2.45/1.65		2.60/1.76		2.90/1.96		2.60/1.76		
Piping connections	Liquid/Gas OD			mm	9.52/15.9								
	Piping length	OU - IU	Max.	m	50								
		System	Equivalent	m	70								
			Chargeless	m	30								
	Additional refrigerant charge			kg/m	See installation manual								
Power supply	Level difference IU - OU			m	30.0								
	Phase/Frequency/Voltage			Hz/V	1~/50 / 220-240				3~/50 / 380-415				
Current - 50Hz	Maximum fuse amps (MFA)			A	20		25		32		16		

Contains fluorinated greenhouse gases

Round flow cassette

360° air discharge for optimum efficiency and comfort

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				FCAG-B	ARXM-R	AZAS-MV	AZAS-MY					
Efficiency data				FCAG + ARXM / AZAS	71B + ARXM 71R	100B + AZAS100MV	125B + AZAS125MV	140B + AZAS140MV	100B + AZAS100MY	125B + AZAS125MY	140B + AZAS140MY	
Cooling capacity	Nom.			kW	6.80/7.05	9.50/-	12.1/-	13.4/-	9.50/-	12.1/-	13.4/-	
Heating capacity	Nom./Max.			kW	7.50/7.58	10.8/-	13.5/-	15.5/-	10.8/-	13.5/-	15.5/-	
Space cooling	Energy efficiency class				A+		-		A+		-	
	Capacity	Pdesign		kW	6.80	9.50	12.1	13.0	9.50	12.1	13.0	
	SEER				5.87	6.1	5.6	6.2	6.1	5.6	6.2	
	ηs,c			%	-		221	245	-	221	245	
	Annual energy consumption			kWh/a	405	586	1,345	1,300	586	1,345	1,300	
Space heating (Average climate)	Energy efficiency class				A+		-		A		-	
	Capacity	Pdesign		kW	4.50	6.00		7.80	6.00		7.80	
	SCOP/A				4.00	3.85	3.80	4.31	3.85	3.80	4.31	
	ηs,h			%	-		149	169	-	149	169	
	Annual energy consumption			kWh/a	1,573	2,182	2,211	2,534	2,182	2,211	2,534	
Indoor unit				FCAG	71B	100B	125B	140B	100B	125B	140B	
Dimensions	Unit	HeightxWidthxDepth		mm	204x840x840		246x840x840					
Weight	Unit			kg	21	23						
Air filter	Type				Resin net							
Decoration panel	Model				Standard panels: BYCQ140E - white with grey louvers / BYCQ140EW - full white / BYCQ140EB - black Auto cleaning panels: BYCQ140EGF - white / BYCQ140EGFB - black Designer panels: BYCQ140EP - white / BYCQ140EPB - black							
	Dimensions	HeightxWidthxDepth		mm	Standard panels: 65x950x950 / Auto cleaning panels: 148x950x950 / Designer panels: 106x950x950							
	Weight			kg	Standard panels: 5.5 / Auto cleaning panels: 10.3 / Designer panels: 6.5							
Fan	Air flow rate	Cooling	Low/Medium/High	m³/min	10.8/13.0/15.1	13.0/17.8/22.7	13.1/20.4/27.2		13.0/17.8/22.7		13.1/20.4/27.2	
		Heating	Low/Medium/High	m³/min	10.8/12.9/15.1	13.2/18.1/23.0	13.0/20.2/27.0		13.2/18.1/23.0		13.0/20.2/27.0	
Sound power level	Cooling			dBA	51.0	54.0	58.0		54.0		58.0	
	Heating			dBA	51.0	54.0	58.0		54.0		58.0	
Sound pressure level	Cooling	Low/Medium/High		dBA	28.0/31.0/35.0	29.0/33.0/37.0	29.0/35.0/41.0		29.0/33.0/37.0		29.0/35.0/41.0	
	Heating	Low/Medium/High		dBA	28.0/31.0/33.0	29.0/33.0/37.0	29.0/35.0/41.0		29.0/33.0/37.0		29.0/35.0/41.0	
Control systems	Infrared remote control				BRC7FA532F / BRC7FB532F / BRC7FA532FB / BRC7FB532FB							
	Wired remote control				BRC1H52W/S/K / BRC1E53A / BRC1E53B / BRC1E53C / BRC1D52							
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50/60/220-240/220							
Outdoor unit				ARXM / AZAS	ARXM71R	AZAS100MV	AZAS125MV	AZAS140MV	AZAS100MY	AZAS125MY	AZAS140MY	
Dimensions	Unit	HeightxWidthxDepth		mm	734x954x401		990x940x320					
Weight	Unit			kg	49.0	72	71	73	70	71	79	
Sound power level	Cooling			dBA	-	70	71	73	70	71	73	
	Heating			dBA	-	71	71	73	-	71	73	
Sound pressure level	Cooling	Nom.		dBA	52.0	53	54	54	53	54		
	Heating	Nom.		dBA	52.0	57						
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-10~46							
	Heating	Ambient	Min.~Max.	°CWB	-15~24	-15~15.5						
Refrigerant	Type/GWP				R-32/675							
	Charge			kg/TCO2Eq	1.15/0.780	2.60/1.76	2.90/1.96	2.60/1.76	2.90/1.96			
Piping connections	Liquid/Gas OD			mm	9.52/15.9							
	Piping length	OU - IU	Max.	m	30							
		System	Equivalent	m	50							
			Chargeless	m	30							
	Additional refrigerant charge			kg/m	0.035 (for piping length exceeding 10m)	See installation manual						
Power supply	Level difference IU - OU			Max.	m	20.0						
	Phase/Frequency/Voltage			Hz/V	1~/50 / 220-240							
Current - 50Hz	Maximum fuse amps (MFA)			A	-	25	32	16				

Contains fluorinated greenhouse gases

Round flow cassette

360° air discharge for optimum efficiency and comfort

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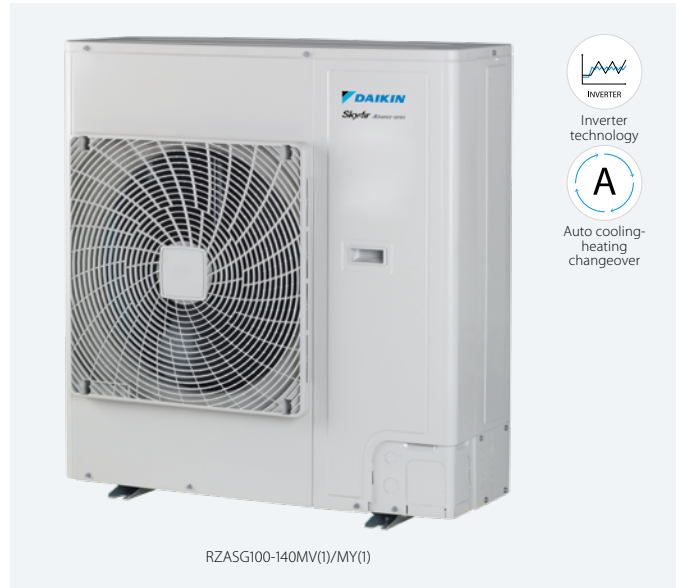
FCAG-B					RXM-R		RXM-R9		RXM-A	
Efficiency data		FCAG + RXM			35B + 35R9		50B + 50A		60B + 60R	
Cooling capacity	Nom.	kW			3.50		5.00		5.70	
Heating capacity	Nom.	kW			4.20		6.00		7.00	
Space cooling	Energy efficiency class				A++		A++			
	Capacity	Pdesign		kW	3.50		5.00		5.70	
	SEER				6.35		6.54		6.40	
	Annual energy consumption				kWh/a		193		268	
Space heating (Average climate)	Energy efficiency class				A++		A+			
	Capacity	Pdesign		kW	3.32		4.36		4.71	
	SCOP/A				4.90		4.30		4.20	
	Annual energy consumption				kWh/a		948		1,418	
							1,418		1,569	
Indoor unit					FCAG		35B		50B	
Dimensions	Unit	HeightxWidthxDepth			mm		204x840x840		60B	
Weight	Unit	kg			18		19			
Air filter	Type						Resin net			
Decoration panel	Model						Standard panels: BYCQ140E - white with grey louvers / BYCQ140EW - full white / BYCQ140EB - black Auto cleaning panels: BYCQ140EGF - white / BYCQ140EGFB - black Designer panels: BYCQ140EP - white / BYCQ140EPB - black			
		Dimensions	HeightxWidthxDepth	mm			Standard panels: 65x950x950 / Auto cleaning panels: 148x950x950 / Designer panels: 106x950x950			
Fan	Weight	kg					Standard panels: 5.5 / Auto cleaning panels: 10.3 / Designer panels: 6.5			
	Air flow rate	Cooling	Low/Medium/High	m³/min	8.8/10.6/12.9		9.4/11.8/14.6		9.6/12.2/14.9	
Sound power level	Cooling	Heating	Low/Medium/High	m³/min	9.4/11.6/14.1		9.4/11.8/14.6		9.6/12.2/14.9	
				dBA	49.0		49.0		51.0	
Sound pressure level	Cooling	Low/Medium/High		dBA	49.0		49.0		51.0	
		Heating	Low/Medium/High	dBA	27.0/29.0/31.0		27.0/29.0/31.0		28.0/31.0/33.0	
Control systems	Infrared remote control						BRC7FA532F / BRC7FB532F / BRC7FA532FB / BRC7FB532FB			
	Wired remote control						BRC1H52W/S/K / BRC1E53A / BRC1E53B / BRC1E53C / BRC1D52			
Power supply	Phase/Frequency/Voltage			Hz/V			1~/50/60/220-240/220			
							NEW			
Outdoor unit					RXM		35R9		50A	
Dimensions	Unit	HeightxWidthxDepth			mm		552x840x350		734x954x401	
Weight	Unit	kg			32		49.0		48.0	
Sound pressure level	Cooling	Nom.			dBA		49.0		48.0	
	Heating	Nom.			dBA		49.0			
Operation range	Cooling	Ambient	Min.~Max.	°CDB			-10~-46			
	Heating	Ambient	Min.~Max.	°CWB			-15~-18			
Refrigerant	Type						R-32			
	GWP						675.0			
Piping connections	Charge	kg/TCO2Eq			0.76/0.52		1.15/0.780			
	Liquid	OD			mm		6.35			
	Gas	OD			mm		9.50		12.7	
	Piping length	OU - IU	Max.	m	20				30	
		System	Chargeless	m			10			
Power supply	Additional refrigerant charge			kg/m			0.02 (for piping length exceeding 10m)			
	Level difference	IU - OU	Max.	m	15				20.0	
Current - 50Hz	Phase/Frequency/Voltage			Hz/V			1~/50 / 220-240			
	Maximum fuse amos (MFA)			A	13				16	

Contains fluorinated greenhouse gases

Sky Air Advance-series

Technology and comfort combined
for commercial applications

- High efficiency:
- Energy labels up to A++ (cooling) / A+ (heating)
- Compressor offers substantial efficiency improvements
- Very compact and easy to install
- Replace existing systems with R-32 technology without needing to replace the piping
- Guarantees operation in both heating and cooling mode down to -15°C
- Refrigerant cooled PCB guarantees reliable cooling, as it is not influenced by ambient temperature.
- Maximum piping length up to 50m, minimum piping length has no limitation
- Outdoor units for pair, twin, triple, double twin application



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

Pair, twin, triple and double twin application

		FCAG-B							FFA-A9			FDXM-F9			FBA-A(9)						
capacity class		35	50	60	71	100	125	140	35	50	60	35	50	60	35	50	60	71	100	125	140
RZASG71MV1		2			P				2			2			2			P			
RZASG100MV(1)	RZASG100MY(1)	3	2			P			3	2		3	2		3	2			P		
RZASG125MV(1)	RZASG125MY(1)	4	3	2			P		4	3	2	4	3	2	4	3	2			P	
RZASG140MV(1)	RZASG140MY(1)	4	3		2		P	4	3			4	3		4	3		2			P

		FDA-A		FHA-A(9)						FUA-A			FAA-B		FVA-A				FNA-A9		
capacity class		125	35	50	60	71	100	125	140	71	100	125	71	100	71	100	125	140	35	50	60
RZASG71MV1			2			P				P			P		P				2		
RZASG100MV(1)	RZASG100MY(1)		3	2			P				P			P		P			3	2	
RZASG125MV(1)	RZASG125MY(1)	P	4	3	2			P				P					P		4	3	2
RZASG140MV(1)	RZASG140MY(1)		4	3		2			P	2			2		2			P	4	3	

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

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

Outdoor unit				RZASG	71MV1	100MV(1)	125MV(1)	140MV(1)	100MY(1)	125MY(1)	140MY(1)	
Dimensions	Unit	HeightxWidthxDepth		mm	770x900x320	990x940x320						
Weight	Unit			kg	60	70 (MY1)/72 (MY)		78 (MV1)/79 (MV)		70 (MY1)/72 (MY)		78 (MV1)/79 (MV)
Sound power level	Cooling			dBA	65	70	71	73	70	71	73	
	Heating			dBA	-	71(1)		73(1)	-	71(1)	73(1)	
Sound pressure level	Cooling	Nom.		dBA	46	53		54	53		54	
	Heating	Nom.		dBA	47	57						
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-15~46							
	Heating	Ambient	Min.~Max.	°CWB	-15~15.5							
Refrigerant	Type/GWP				R-32/675							
	Charge				kg/TCO2Eq	2.45/1.65	2.60/1.76		2.90/1.96		2.60/1.76	2.90/1.96
Piping connections	Liquid/Gas	OD		mm	9.52/15.9							
	Piping length	OU - IU	Max.	m	50							
		System	Equivalent	m	70							
			Chargeless	m	30							
	Additional refrigerant charge			kg/m	See installation manual							
	Level difference IU - OU			Max.	m	30.0						
Power supply	Phase/Frequency/Voltage			Hz/V	1~/50 /220-240				3~/50 /380-415			
Current - 50Hz	Maximum fuse amps (MFA)			A	20	25	32		16			

(1)According to ENER Lot 21 | Contains fluorinated greenhouse gases