



FCAHG-G/FCAG-A Auto cleaning cassette

Why choose a round flow cassette?

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



More energy efficient and user-friendly than any other cassette

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

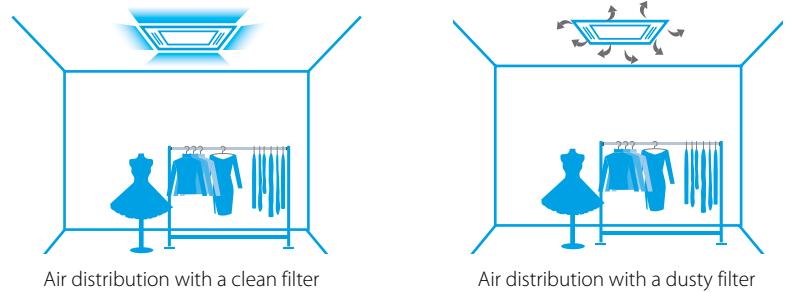
Finer mesh panel

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

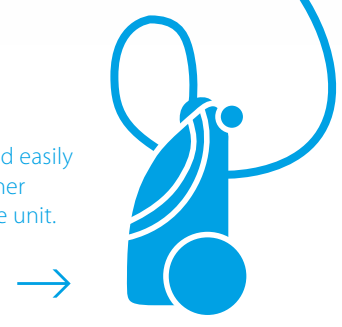


BYCQ140DG9	BYCQ140DGF9
Auto-cleaning panel	Auto-cleaning panel with fine mesh filter
White with grey louvers	White with grey louvers

Auto-cleaning cassette for maintaining the optimum store atmosphere



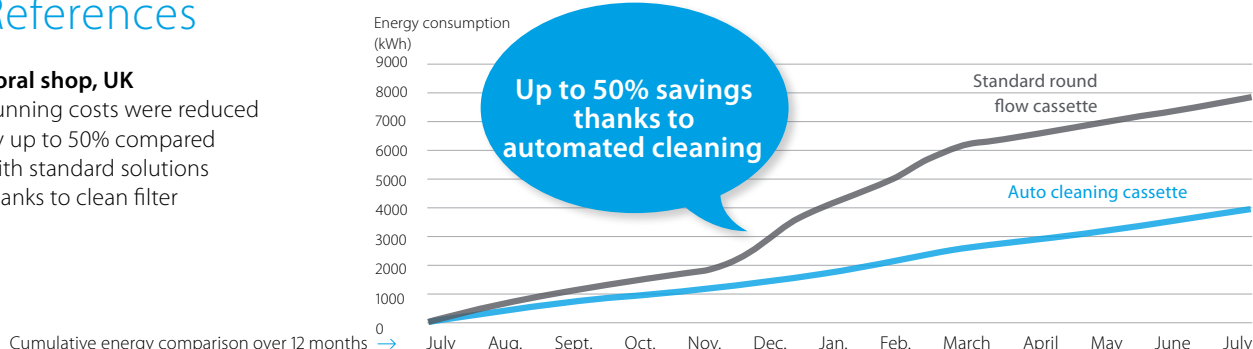
Dust can be removed easily with a vacuum cleaner without opening the unit.



References

Coral shop, UK

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

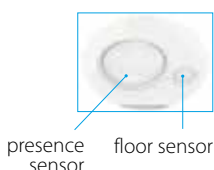


360° air discharge for improved comfort

- › Industry-first and proven design.

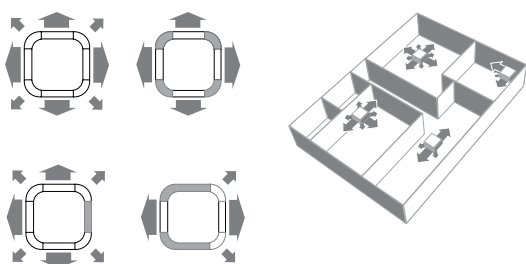
Intelligent sensors improve efficiency and comfort even more

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



Flexible installation

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



Benefits for the installer

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

Benefits for the consultant

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

Benefits for the end user

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

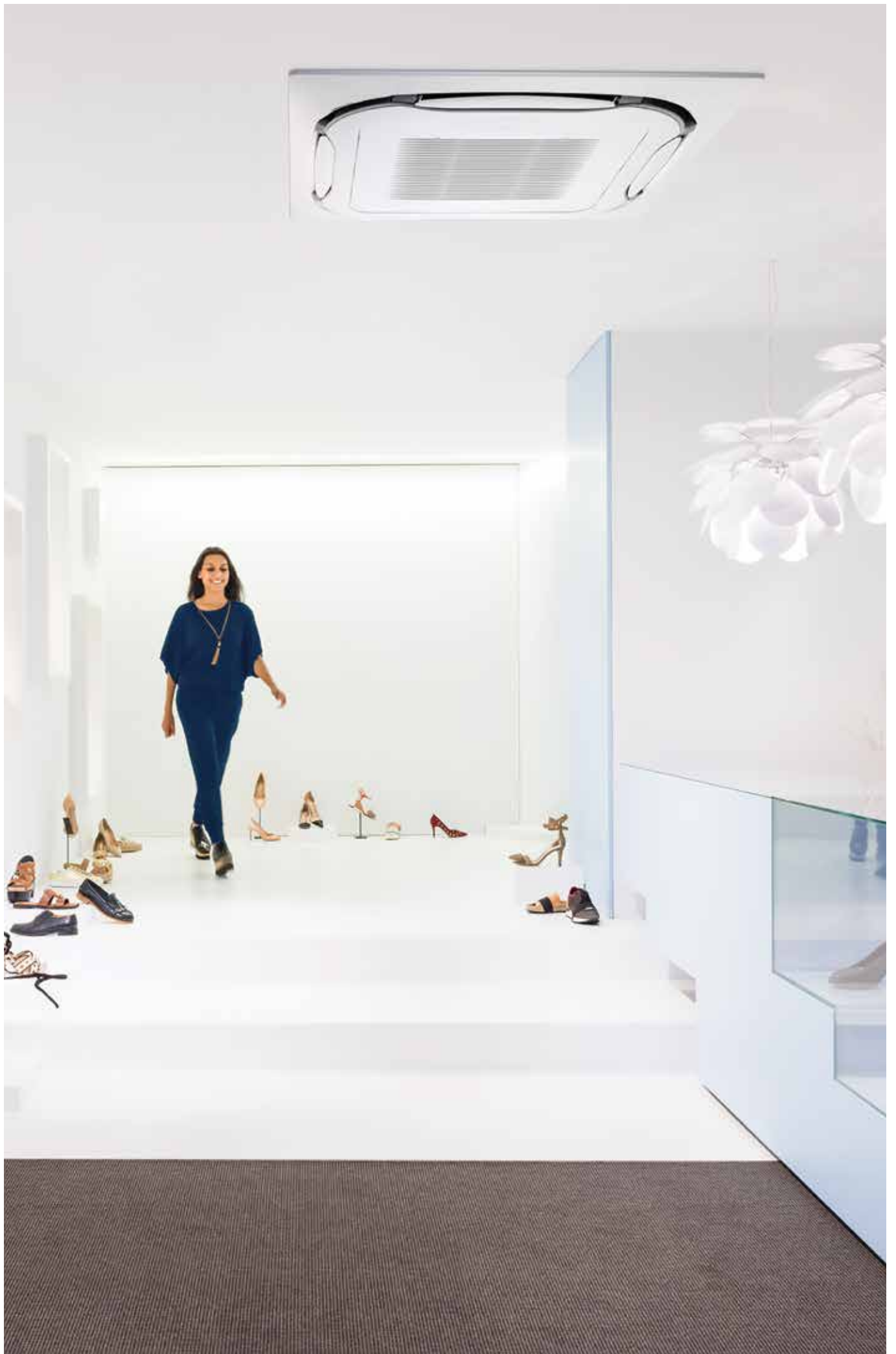
Marketing tools

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



www.youtube.com/DaikinEurope





Round flow cassette

360° air discharge for optimum efficiency and comfort

- › Combination with Sky Air Advance-series ensures good value for money for all types of commercial applications
- › Unified indoor unit range for R-32 and R-410A
- › Combining with R-32 Bluevolution technology, reduces environmental impact with 68% compared to R-410A, leads directly to lower energy consumption thanks to its high energy efficiency and has up to lower 16% refrigerant charge
- › Automatic filter cleaning results in higher efficiency & comfort and lower maintenance costs. 2 filters available: standard filter and finer mesh filter (for fine dust applications e.g. clothing shops)
- › Two optional intelligent sensors improve energy efficiency and comfort
- › Individual flap control: flexibility to suit every room layout without changing the location of the unit!
- › Modern style decoration panel is available in 3 different variations: white (RAL9010) with grey louvers, full white (RAL9010) or auto cleaning panel



Indoor units

Efficiency data		FCAG + RZASG		71A + 71MV1	100A + 100MV1	125A + 125MV1	140A + 140MV1	100A + 100MY1	125A + 125MY1	140A + 140MY1		
Cooling capacity	Nom.	kW		6.80	9.50	12.1	13.4	9.50	12.1	13.4		
Heating capacity	Nom.	kW		7.50	10.8	13.5	15.5	10.8	13.5	15.5		
Seasonal efficiency (according to EN14825)	Cooling	Energy efficiency class		A++			-		A++		-	
		Pdesign	kW	6.80	9.50	12.1	13.4	9.50	12.1	13.4		
		SEER		6.47	6.55	5.76	6.53	6.55	5.76	6.53		
		Annual energy consumption	kWh	368	507	1,261	1,231	507	1,261	1,231		
	Heating (Average climate)	Energy efficiency class		A		A+		-		A+		-
		Pdesign	kW	4.50		6.00		7.80		6.00		7.80
SCOP/A			4.00		4.17		4.05		4.17		4.31	
	Annual energy consumption	kWh	1,575		2,016		2,074		2,016		2,534	
Indoor unit		FCAG		71A	100A	125A	140A	100A	125A	140A		
Dimensions	Unit	HeightxWidthxDpeth		204x840x840		246x840x840						
Weight	Unit			21		24						
Air filter	Type	Resin net										
Decoration panel	Model	BYCQ140DGF9 - auto cleaning panel with fine mesh filter / BYCQ140DG9 - auto cleaning panel / BYCQ140DW - full white / BYCQ140D - white with grey louvers										
	Colour	Pure White (RAL 9010)										
	Dimensions	HeightxWidthxDpeth		130x950x950 / 130x950x950 / 50x950x950 / 50x950x950								
	Weight			10.3 / 10.3 / 5.4 / 5.4								
Fan	Air flow rate	Cooling	Low/Medium/High	m ³ /min	9.3/12.5/15.3	12.4/17.6/22.8	12.4/19.2/26.0	12.4/17.6/22.8	12.4/19.2/26.0	12.4/19.2/26.0		
		Heating	Low/Medium/High	m ³ /min	9.1/12.1/15.0	12.4/17.6/22.8	12.4/19.2/26.0	12.4/17.6/22.8	12.4/19.2/26.0	12.4/19.2/26.0		
Sound power level	Cooling			dB(A)	51	54	58	54	58	58		
	Heating			dB(A)	51	54	58	54	58	58		
Sound pressure level	Cooling	Low/High			dB(A)	28/35	29/37	29/41	29/37	29/41		
	Heating	Low/High			dB(A)	28/33	29/37	29/41	29/37	29/41		
Control systems	Infrared remote control		BRC7FA532F									
	Wired remote control		BRC1H51 / BRC1E53A / BRC1E53B / BRC1E53C / BRC1D52									
Power supply	Phase/Frequency/Voltage		Hz/V 1~/50/60/220-240/220									
Outdoor unit		RZASG		71MV1	100MV1	125MV1	140MV1	100MY1	125MY1	140MY1		
Dimensions	Unit	HeightxWidthxDpeth		770x900x320		990x940x320						
Weight	Unit			60		70		70		77		
Sound power level	Cooling			dB(A)	65	70	71	73	70	71		
Sound pressure level	Cooling	Nom.			dB(A)	46	53	54	53	54		
	Heating	Nom.			dB(A)	47				57		
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-15~46							
	Heating	Ambient	Min.~Max.	°CWB	-15~15.5							
Refrigerant	Type/GWP		R-32/675									
	Charge		kg/CO ₂ Eq	2.45/1.65	2.60/1.76	2.90/1.96	2.60/1.76	2.60/1.76	2.90/1.96			
Piping connections	Liquid/Gas		mm 9.52/15.9									
	Piping length	OU - IU	Max.	m 50								
		System	Equivalent	m 70								
			Chargeless	m 30								
	Additional refrigerant charge		kg/m	See installation manual								
Level difference		IU - OU	Max.	m 30.0								
Power supply	Phase/Frequency/Voltage		Hz/V 1~/50/220-240				3~/50/380-415					
Current - 50Hz	Maximum fuse amps (MFA)		A	20	25	32	16					

(1) BYCQ140D7W1: pure white standard panel with grey louvers; BYCQ140D7W1W: pure white standard panel with white louvers; BYCQ140D7GW1: pure white auto cleaning panel.
 (2) EER/COP according to Eurovent 2012, for use outside EU only
 (3) The BYCQ140D7W1W has white insulations. Be informed that formation of dirt on white insulation is visibly stronger and that it is consequently not advised to install the BYCQ140D7W1W decoration panel in environments exposed to concentrations of dirt.
 (4) MFA is used to select the circuit breaker and the ground fault circuit interrupter (earth leakage circuit breaker). For more detailed information on each combination, please refer to the electrical data drawing.



Round flow cassette

360° air discharge for optimum efficiency and comfort

- › Ideal solution for small businesses and shops
- › Unified indoor unit range for R-32 and R-410A
- › Combining with R-32 Bluevolution technology, reduces environmental impact with 68% compared to R-410A, leads directly to lower energy consumption thanks to its high energy efficiency and has up to lower 16% refrigerant charge
- › Automatic filter cleaning results in higher efficiency & comfort and lower maintenance costs. 2 filters available: standard filter and finer mesh filter (for fine dust applications e.g. clothing shops)
- › Two optional intelligent sensors improve energy efficiency and comfort
- › Individual flap control: flexibility to suit every room layout without changing the location of the unit!
- › Modern style decoration panel is available in 3 different variations: white (RAL9010) with grey louvers, full white (RAL9010) or auto cleaning panel



Efficiency data		FCAG + 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	13.4	9.50	12.1	13.4		
Heating capacity	Nom.	kW		7.50	10.8	13.5	15.5	10.8	13.5	15.5		
Seasonal efficiency (according to EN14825)	Cooling	Energy efficiency class		A+			-		A+		-	
		Pdesign		kW	6.80	9.50	12.1	13.0	9.50	12.1	13.0	
		SEER			5.87	5.67	5.40	6.00	5.67	5.40	6.00	
		Annual energy consumption		kWh	405	586	1,345	1,300	586	1,345	1,300	
		Heating (Average climate)		Energy efficiency class		A			-		A	
		Pdesign		kW	4.50	6.00	7.80	6.00	7.80	7.80		
		SCOP/A			4.00	3.85	3.80	4.31	3.85	3.80	4.31	
		Annual energy consumption		kWh	1,575	2,182	2,211	2,534	2,182	2,211	2,534	
Indoor unit		FCAG		71A	100A	125A	140A	100A	125A	140A		
Dimensions	Unit	HeightxWidthxDepth		mm		204x840x840		246x840x840				
Weight	Unit	kg		21		24						
Air filter	Type	Resin net										
Decoration panel	Model	BYCQ140DGF9 - auto cleaning panel with fine mesh filter / BYCQ140DG9 - auto cleaning panel / BYCQ140DW - full white / BYCQ140D - white with grey louvers										
	Colour	Pure White (RAL 9010)										
	Dimensions	HeightxWidthxDepth		mm							130x950x950 / 130x950x950 / 50x950x950 / 50x950x950	
	Weight	kg									10.3/5.4/10.3/5.4	
Fan	Air flow rate	Cooling	Low/Medium/High	m ³ /min	9.3/12.5/15.3	12.4/17.6/22.8	12.4/19.2/26.0	12.4/17.6/22.8	12.4/19.2/26.0	12.4/19.2/26.0		
			Heating	Low/Medium/High	m ³ /min	9.1/12.1/15.0	12.4/17.6/22.8	12.4/19.2/26.0	12.4/17.6/22.8	12.4/19.2/26.0	12.4/19.2/26.0	
Sound power level	Cooling			dBA	51	54	58	54	58	58		
		Heating			dBA	51	54	58	54	58		
Sound pressure level	Cooling	Low/High			dBA	28/35	29/37	29/41	29/37	29/41		
		Heating	Low/High			dBA	28/33	29/37	29/41	29/37	29/41	
Control systems	Infrared remote control		BRC7FA532F									
	Wired remote control		BRC1H51 / BRC1E53A / BRC1E53B / BRC1E53C / BRC1D52									
Power supply	Phase/Frequency/Voltage		Hz/V		1~/50/60/220-240/220							
Outdoor unit		AZAS		71MV1	100MV1	125MV1	140MV1	100MY1	125MY1	140MY1		
Dimensions	Unit	HeightxWidthxDepth		mm		770x900x320		990x940x320				
Weight	Unit	kg		60		70		70		77		
Sound power level	Cooling			dBA	65	70	71	70	71	73		
		Heating			dBA	46	53	54	53	54		
Sound pressure level	Cooling	Nom.			dBA	46	53	54	53	54		
		Heating	Nom.			dBA	47	53	57	53	54	
Operation range	Cooling	Ambient	Min.~Max.	°CDB		-5~46						
		Heating	Ambient	Min.~Max.	°CWB		-15~-15.5					
Refrigerant	Type/GWP		R-32/675									
	Charge		kg/TCO ₂ Eq		2.45/1.65	2.60/1.76	2.90/1.96	2.60/1.76	2.90/1.96			
Piping connections	Liquid/Gas		mm		9.52/15.9							
	Piping length	OU - IU	Max.	m		30						
		System	Equivalent	m		50						
			Chargeless	m		30						
			Additional refrigerant charge	kg/m		See installation manual						
Power supply	Level difference		IU - OU	Max.	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					

(1) BYCQ140D7W1: pure white standard panel with grey louvers; BYCQ140D7W1W: pure white standard panel with white louvers; BYCQ140D7GW1: pure white auto cleaning panel.
 (2) EER/COP according to Eurovent 2012, for use outside EU only
 (3) The BYCQ140D7W1W has white insulations. Be informed that formation of dirt on white insulation is visibly stronger and that it is consequently not advised to install the BYCQ140D7W1W decoration panel in environments exposed to concentrations of dirt.
 (4) MFA is used to select the circuit breaker and the ground fault circuit interrupter (earth leakage circuit breaker). For more detailed information on each combination, please refer to the electrical data drawing.

Round flow cassette

360° air discharge for optimum efficiency and comfort

- › Combination with split outdoor units is ideal for small retail, offices or residential applications
- › Unified indoor unit range for R-32 and R-410A
- › Combining with R-32 Bluevolution technology, reduces environmental impact with 68% compared to R-410A, leads directly to lower energy consumption thanks to its high energy efficiency and has up to lower 16% refrigerant charge
- › Automatic filter cleaning results in higher efficiency & comfort and lower maintenance costs. 2 filters available: standard filter and finer mesh filter (for fine dust applications e.g. clothing shops)
- › Two optional intelligent sensors improve energy efficiency and comfort
- › Individual flap control: flexibility to suit every room layout without changing the location of the unit!
- › Lowest installation height in the market: 214mm
- › Modern style decoration panel is available in 3 different variations: white (RAL9010) with grey louvers, full white (RAL9010) or auto cleaning panel



Indoor units

Efficiency data		FCAG + RXM		35A + 35M9	50A + 50M9	60A + 60M9	
Cooling capacity	Nom.	kW		3.50	5.00	5.70	
Heating capacity	Nom.	kW		4.20	6.00	7.00	
Power input	Cooling	Nom.	kW	0.94	1.39	1.72	
	Heating	Nom.	kW	1.11	1.62	2.07	
Seasonal efficiency (according to EN14825)	Cooling	Energy efficiency class		A++			
		Pdesign	kW	3.50	5.00	5.70	
		SEER		6.35	6.54	6.40	
	Heating (Average climate)	Annual energy consumption		kWh	193	266	312
		Energy efficiency class			A++	A+	
		Pdesign	kW	3.32	4.36	4.71	
SCOP/A		4.90	4.30	4.20			
Annual energy consumption		kWh	948	1,419	1,569		
Indoor unit		FCAG		35A	50A	60A	
Dimensions	Unit	HeightxWidthxDepth		mm			
Weight	Unit			18	19		
Air filter	Type	Resin net					
Decoration panel	Model	BYCQ140DGF9 - auto cleaning panel with fine mesh filter / BYCQ140DG9 - auto cleaning panel / BYCQ140DW - full white / BYCQ140D - white with grey louvers					
	Colour	Pure White (RAL 9010)					
	Dimensions	HeightxWidthxDepth		mm			
Weight			kg				
Fan	Air flow rate	Cooling	Low/Medium/High	m³/min		8.7/10.6/12.5	
		Heating	Low/Medium/High	m³/min		9.3/11.6/13.9	
Sound power level	Cooling			dBA		49	
	Heating			dBA		49	
Sound pressure level	Cooling	Low/High		dBA		27/31	
	Heating	Low/High		dBA		27/31	
Control systems	Infrared remote control		BRC7FA532F				
	Wired remote control		BRC1H51 / BRC1E53A / BRC1E53B / BRC1E53C / BRC1D52				
Power supply	Phase/Frequency/Voltage		Hz/V				
				1~/50/60/220-240/220			
Outdoor unit		RXM		35M9	50M9	60M9	
Dimensions	Unit	HeightxWidthxDepth		mm			
Weight	Unit			550x765x285	735x825x300		
Sound power level	Cooling			dBA		61	
	Heating			dBA		61	
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/CO2Eq		0.76/0.52	
	Liquid	OD			mm		
Gas	OD			mm			
Piping length	OU - IU	Max.		m			
Additional refrigerant charge			kg/m				
Level difference	IU - OU	Max.		m			
Power supply	Phase/Frequency/Voltage		Hz/V				
Current - 50Hz	Maximum fuse amps (MFA)		A				
				10	15		

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

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

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

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

Round flow cassette

360° air discharge for optimum efficiency and comfort

- › Combination with Seasonal Classic ensures good value for money for all types of commercial applications
- › Unified indoor unit range for R-32 and R-410A
- › Automatic filter cleaning results in higher efficiency & comfort and lower maintenance costs. 2 filters available: standard filter and finer mesh filter (for fine dust applications e.g. clothing shops)
- › Two optional intelligent sensors improve energy efficiency and comfort.
- › Individual flap control: flexibility to suit every room layout without changing the location of the unit!
- › Lowest installation height in the market: 214mm for class 20-63
- › Modern style decoration panel is available in 3 different variations: white (RAL9010) with grey louvers, full white (RAL9010) or auto cleaning panel



Indoor units

Efficiency data		FCAG + RZQSG	71A + 71L3V1	100A + 100L9V1	125A + 125L9V1	140A + 140L9V1	100A + 100L8Y1	125A + 125L8Y1	140A + 140LY1	
Cooling capacity	Nom.	kW	6.80	9.50	12.0	13.4	9.50	12.0	13.4	
Heating capacity	Nom.	kW	7.50	10.8	13.5	15.5	10.8	13.5	15.5	
Power input	Cooling	Nom.	2.12	2.88	3.74	4.45	2.88	3.74	4.45	
	Heating	Nom.	2.08	3.05	3.96	4.54	3.05	3.96	4.54	
Seasonal efficiency (according to EN14825)	Cooling	Energy efficiency class	A++		A	-	A++	A	-	
		Pdesign	kW	6.80	9.50	12.00	-	9.50	12.00	-
		SEER		6.10	6.50	5.30	-	6.50	5.30	-
		Annual energy consumption	kWh	391	512	793	-	512	793	-
	Heating (Average climate)	Energy efficiency class	A+		-	-	A+	-	-	
		Pdesign	kW	6.33	7.60	8.03	-	7.60	8.03	-
SCOP/A			4.10		4.01	-	4.10	4.01	-	
	Annual energy consumption	kWh	2,162	2,596	2,804	-	2,596	2,804	-	
Nominal efficiency	EER		3.21	3.30	3.21	3.01	3.30	3.21	3.01	
	COP		3.61	3.54	3.41		3.54	3.41		
	Annual energy consumption	kWh	1,060	1,440	1,870	-	1,440	1,870	2,225	
	Energy labeling Directive	Cooling/Heating	A/A	A/B		-/-	A/A	A/B	-/-	
Indoor unit		FCAG	71A	100A	125A	140A	100A	125A	140A	
Dimensions	Unit	HeightxWidthxDepth	mm	204x840x840		246x840x840		246x840x840		
Weight	Unit		kg	21		24		24		
Air filter	Type			Resin net						
Decoration panel	Model		BYCQ140DGF9 - auto cleaning panel with fine mesh filter / BYCQ140DG9 - auto cleaning panel / BYCQ140DW - full white / BYCQ140D - white with grey louvers							
	Colour		Pure White (RAL 9010)							
	Dimensions	HeightxWidthxDepth	mm	130x950x950 / 130x950x950 / 50x950x950 / 50x950x950						
	Weight		kg	10.3 / 10.3 / 5.4 / 5.4						
Fan	Air flow rate	Cooling	Low/Medium/High	m ³ /min	9.3/12.5/15.3	12.4/17.6/22.8	12.4/19.2/26.0	12.4/17.6/22.8	12.4/19.2/26.0	
		Heating	Low/Medium/High	m ³ /min	9.1/12.1/15.0	12.4/17.6/22.8	12.4/19.2/26.0	12.4/17.6/22.8	12.4/19.2/26.0	
Sound power level	Cooling			dBA	51	54	58	54	58	
	Heating			dBA	51	54	58	54	58	
Sound pressure level	Cooling	Low/High		dBA	28/35	29/37	29/41	29/37	29/41	
	Heating	Low/High		dBA	28/33	29/37	29/41	29/37	29/41	
Control systems	Infrared remote control		BRC7FA532F							
	Wired remote control		BRC1H51 / BRC1E53A / BRC1E53B / BRC1E53C / BRC1D52							
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/60/220-240/220						
Outdoor unit		RZQSG	71L3V1	100L9V1	125L9V1	140L9V1	100L8Y1	125L8Y1	140LY1	
Dimensions	Unit	HeightxWidthxDepth	mm	770x900x320		990x940x320		1,430x940x320		
Weight	Unit		kg	67	72	74	95	82	101	
Sound power level	Cooling			dBA	65	70		70	69	
Sound pressure level	Cooling	Nom./Silent operation		dBA	49/47	53/-	54/-	53/-	54/-	
	Heating	Nom.		dBA	51	57	58	57	54	
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-15~46		-15~46			
	Heating	Ambient	Min.~Max.	°CWB	-15~-15.5					
Refrigerant	Type/GWP			R-410A/2,087.5						
	Charge		kg/CO ₂ Eq	2.75/5.7	2.9/6.1		4.0/8.4	2.9/6.1	4.0/8.4	
Piping connections	Liquid/Gas			mm						
	Piping length	OU - IU	Max.	m						
		System	Equivalent	m						
			Chargeless	m						
		Additional refrigerant charge		kg/m	See installation manual					
Power supply	Phase/Frequency/Voltage		Hz/V	15	1~/50/220-240		30.0		3N~/50/380-415	
Current - 50Hz	Maximum fuse amps (MFA)		A	20	32		-	16	20	

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. | BYCQ140D7W1: pure white standard panel with grey louvers; BYCQ140D7W1W: pure white standard panel with white louvers; BYCQ140D7GW1: pure white auto cleaning panel. | 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

- › Unified indoor unit range for R-32 and R-410A
- › Automatic filter cleaning results in higher efficiency & comfort and lower maintenance costs. 2 filters available: standard filter and finer mesh filter (for fine dust applications e.g. clothing shops)
- › Two optional intelligent sensors improve energy efficiency and comfort.
- › Individual flap control: flexibility to suit every room layout without changing the location of the unit!
- › Lowest installation height in the market: 214mm for class 20-63
- › Modern style decoration panel is available in 3 different variations: white (RAL9010) with grey louvers, full white (RAL9010) or auto cleaning panel



Efficiency data		FCAG + AZQS	71A + 71BV1	100A + 100B8V1	125A + 125B8V1	140A + 140B8V1	100A + 100BY1	125A + 125BY1	140A + 140BY1
Cooling capacity	Nom.	kW	6.80	9.5	12.1	13.0	9.5	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	2.19	2.96	3.90	4.63	2.96	4.63
	Heating	Nom.	kW	2.08	3.09	3.96	4.70	3.09	4.70
Seasonal efficiency (according to EN14825)	Cooling	Energy efficiency class		A+	A	-	A	-	-
		Pdesign	kW	6.80	9.50	-	9.50	-	-
		SEER		5.70	5.50	-	5.50	-	-
	Heating (Average climate)	Annual energy consumption	kWh	418	605	-	605	-	-
		Energy efficiency class		A+	A	-	A	-	-
		Pdesign	kW	6.33	7.60	-	7.60	-	-
Nominal efficiency	EER		3.11	3.21	3.10	2.81	3.21	3.10	2.81
	COP		3.61	3.50	3.41	3.30	3.50	3.41	3.30
	Annual energy consumption	kWh	1,093	1,480	1,952	2,313	1,480	1,952	2,313
Energy labeling Directive	Cooling/Heating		B / A	A/B	B/B	C/C	A/B	B/B	-/-

Indoor unit		FCAG	71A	100A	125A	140A	100A	125A	140A
Dimensions	Unit	HeightxWidthxD	mm	204x840x840		246x840x840			
Weight	Unit		kg	21	24				
Air filter	Type			Resin net					
Decoration panel	Model			BYCQ140DGF9 - auto cleaning panel with fine mesh filter / BYCQ140DG9 - auto cleaning panel / BYCQ140DW - full white / BYCQ140D - white with grey louvers					
	Colour			Pure White (RAL 9010)					
Dimensions	Unit	HeightxWidthxD	mm	130x950x950 / 130x950x950 / 50x950x950 / 50x950x950					
	Weight		kg	10.3 / 10.3 / 5.4 / 5.4					
Fan	Air flow rate	Cooling	Low/Medium/High	m³/min	9.3/12.5/15.3	12.4/17.6/22.8	12.4/19.2/26.0	12.4/17.6/22.8	12.4/19.2/26.0
		Heating	Low/Medium/High	m³/min	9.1/12.1/15.0	12.4/17.6/22.8	12.4/19.2/26.0	12.4/17.6/22.8	12.4/19.2/26.0
Sound power level	Cooling			dBA	51	54	58	54	58
	Heating			dBA	51	54	58	54	58
Sound pressure level	Cooling	Low/High		dBA	28/35	29/37	29/41	29/37	29/41
	Heating	Low/High		dBA	28/33	29/37	29/41	29/37	29/41
Control systems	Infrared remote control			BRC7FA532F					
	Wired remote control			BRC1H51 / BRC1E53A / BRC1E53B / BRC1E53C / BRC1D52					
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/60/220-240/220					

Outdoor unit		AZQS/AZQS	71BV1	100B8V1	125B8V1	140B8V1	100BY1	125BY1	140BY1
Dimensions	Unit	HeightxWidthxD	mm	770x900x320	990x940x320		1,430x940x320	990x940x320	1,430x940x320
Weight	Unit		kg	67	72.8	74.3	94.9	82	101
Sound power level	Cooling			dBA	64	70	71	70	71
Sound pressure level	Cooling	Nom.		dBA	48	53	54	53	54
	Heating	Nom.		dBA	50	57	58	54	57
Operation range	Night quiet mode	Level 1		dBA	43	49			
	Cooling	Ambient	Min.~Max.	°CDB	-5~-46				
Refrigerant	Heating	Ambient	Min.~Max.	°CWB	-15~-15.5				
	Type/GWP				R-410A/2,087.5				
Piping connections	Charge			kg/TCO2Eq	2.75/5.7	2.9/6.1	4.0/8.4	2.9/6.1	4.0/8.4
	Liquid/Gas			mm	9.52/15.9				
Additional refrigerant charge	Piping length	OU - IU	Max.	m	50				
	System	Equivalent		m	70				
	Chargeless			m	30				
	Level difference	IU - OU	Max.	m	See installation manual				
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/220-240				3N~/50/380-415	
Current - 50Hz	Maximum fuse amps (MFA)		A	20	32			16	20

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. | BYCQ140D7W1: pure white standard panel with grey louvers; BYCQ140D7W1W: pure white standard panel with white louvers; BYCQ140D7GW1: pure white auto cleaning panel.

Round flow cassette

360° air discharge for optimum efficiency and comfort

- › Combination with split outdoor units is ideal for small retail, offices or residential applications
- › Unified indoor unit range for R-32 and R-410A
- › Automatic filter cleaning results in higher efficiency & comfort and lower maintenance costs. 2 filters available: standard filter and finer mesh filter (for fine dust applications e.g. clothing shops)
- › Two optional intelligent sensors improve energy efficiency and comfort.
- › Individual flap control: flexibility to suit every room layout without changing the location of the unit!
- › Lowest installation height in the market: 214mm for class 20-63
- › Modern style decoration panel is available in 3 different variations: white (RAL9010) with grey louvers, full white (RAL9010) or auto cleaning panel



Indoor units

Efficiency data		FCAG + RXS		35A + 35L3		50A + 50L		60A + 60L		
Cooling capacity	Nom.	kW		3.40		5.00		5.70		
Heating capacity	Nom.	kW		4.20		6.00		7.00		
Power input	Cooling	Nom.	kW	0.91		1.41		1.64		
	Heating	Nom.	kW	1.20		1.62		1.99		
Seasonal efficiency (according to EN14825)	Cooling	Energy efficiency class		A++		A++		A++		
		Pdesign	kW	3.50		5.00		5.70		
		SEER		6.35		6.48		6.22		
	Heating (Average climate)	Annual energy consumption		kWh	193		270		321	
		Energy efficiency class			A++		A++		A+	
		Pdesign	kW	3.32		4.36		4.71		
Nominal efficiency	EER	COP		3.74		3.55		3.48		
		Annual energy consumption		kWh	455		705		820	
		Energy labeling Directive		Cooling/Heating	A/B		A/A		A/B	

Indoor unit		FCAG		35A		50A		60A		
Dimensions	Unit	HeightxWidthxDpeth		mm		204x840x840				
Weight	Unit			kg		18		19		
Air filter	Type					Resin net				
Decoration panel	Model					BYCQ140DGF9 - auto cleaning panel with fine mesh filter / BYCQ140DG9 - auto cleaning panel / BYCQ140DW - full white / BYCQ140D - white with grey louvers				
	Colour					Pure White (RAL 9010)				
Fan	Dimensions	HeightxWidthxDpeth		mm		130x950x950 / 130x950x950 / 50x950x950 / 50x950x950				
	Weight			kg		10.3 / 10.3 / 5.4 / 5.4				
Sound power level	Air flow rate	Cooling	Low/Medium/High	m³/min	8.7/10.6/12.5		8.7/10.7/12.6		8.7/11.2/13.6	
	Heating	Low/Medium/High		m³/min	9.3/11.6/13.9		8.7/10.7/12.6		8.7/11.2/13.6	
Sound pressure level	Cooling	Low/High		dBA	49		49		51	
	Heating	Low/High		dBA	27/31		27/31		28/33	
Control systems	Infrared remote control					BRC7FA532F				
	Wired remote control					BRC1H51 / BRC1E53A / BRC1E53B / BRC1E53C / BRC1D52				
Power supply	Phase/Frequency/Voltage			Hz/V		1~/50/60/220-240/220				

Outdoor unit		RXS		35L3		50L		60L		
Dimensions	Unit	HeightxWidthxDpeth		mm		550x765x285		735x825x300		
Weight	Unit			kg		34		47		
Sound power level	Cooling			dBA		61		62		
	Heating			dBA		61		62		
Sound pressure level	Cooling	Low/High		dBA	-/48		44/48		46/49	
	Heating	Low/High		dBA	-/48		45/48		46/49	
Operation range	Cooling	Ambient	Min.~Max.	°CDB			-10~-46			
	Heating	Ambient	Min.~Max.	°CWB			-15~-18			
Refrigerant	Type					R-410A				
	GWP					2,087.5				
Piping connections	Charge			kg/CO2Eq		1.2/2.5		1.7/3.5		
	Liquid	OD		mm			6.35		1.5/3.1	
Power supply	Gas	OD		mm	9.5				12.7	
	Piping length	OU - IU	Max.	m	20				30	
	Additional refrigerant charge	System	Chargeless	m	10				-	
	Level difference	IU - OU	Max.	m	0.02 (for piping length exceeding 10m)		0.020 (for piping length exceeding 10m)		20.0	
Current - 50Hz	Phase/Frequency/Voltage			Hz/V		1~/50/220-240		1~/50/220-230-240		
	Maximum fuse amps (MFA)			A		-		-		

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