

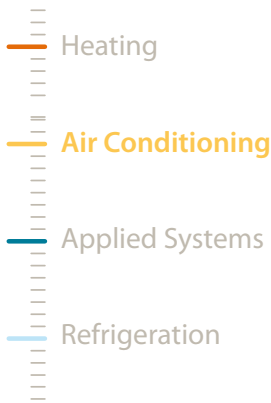


# Daikin leads the way:

Offering a full range of light commercial products optimised for seasonal efficiency



## All Seasons CLIMATE COMFORT



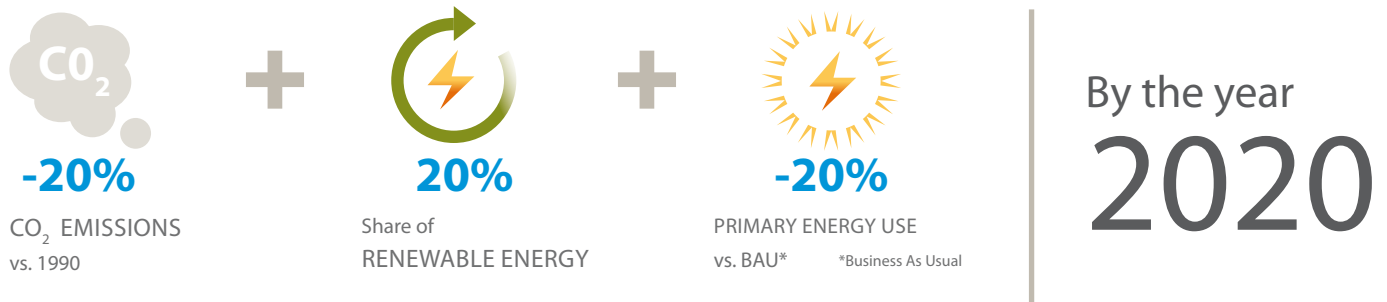
# Daikin leads the way to seasonal efficiency

introducing a full light commercial range optimised for seasonal efficiency!



With its 20/20/20 energy policy, Europe is seeking 20% less CO<sub>2</sub> produced, 20% more renewable energy used and 20% less primary energy consumed by 2020. To help achieve these targets it has issued the Energy Related Products Directive which specifies minimum eco-design requirements, such as improved energy efficiency, that must be integrated into energy-using products. For air conditioners below 12kW, the minimum requirements will be based on a new seasonal efficiency ratio and Daikin Europe N.V. has already integrated these improvements into the new Sky Air® range of light commercial applications, thus underling our commitment to reducing environmental impact.

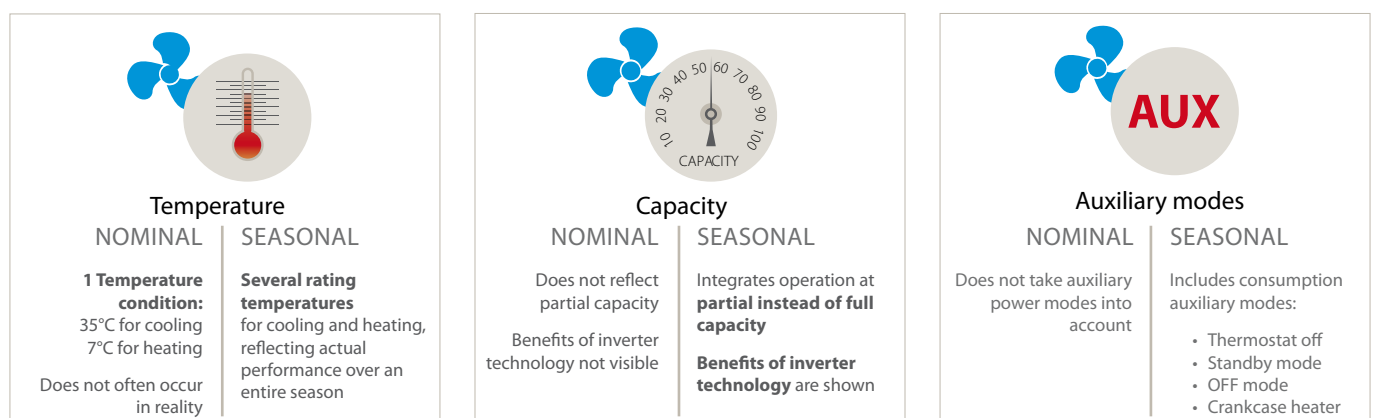
## European action plan



## Measuring real-life performance

The EU requires objective performance metrics to establish the minimum requirements that must be met, and to provide customers with information on air conditioner performance on which to base their choice. The current methodology – nominal efficiency (EER) – results in a significant gap between announced and actual performance and so a more accurate method – seasonal efficiency (SEER) – has been developed. The major changes include the integration of **several rating temperatures for cooling and heating**, the inclusion of energy use at part-load as well as full-load and the power used in **auxiliary and standby modes**. Since most systems operate under a partial load the majority of the time, the new methodology gives a better indication of expected real-life performance.

## Nominal versus Seasonal efficiency



**Nominal efficiency** gives an indication of how efficiently an air conditioner operates in nominal conditions.

**Seasonal efficiency** gives an indication of how efficiently an air conditioner operates over an entire cooling or heating season.

# Daikin leads the way: Seasonal series

Daikin is the first in the industry to have a full light commercial range optimised for seasonal efficiency and already meeting the very challenging requirements of 2014 ErP while 2013 is still not yet implemented.

Seasonal series – **Seasonal Smart and Seasonal Classic** – offer more than 20% better performance than current existing inverter series, which is fully in line with 20/20/20 EU policy. This level can even be enhanced with a smart use of unique Daikin options. The technology used allows achieving very high level of seasonal efficiency while still maintaining or improving the comfort and flexibility features that make Daikin so unique.

Daikin has a solution for all your needs:

- › **Seasonal Smart** offers TOP seasonal efficiency. It answers needs for projects requiring high flexibility like longer piping lengths, wider operating range or EDP applications. Efficiency and comfort can be further enhanced with selectable evaporating and condensing temperature.
- › **Seasonal Classic** offers a suitable solution for budget applications where less flexibility is required.



Daikin offers now a complete light commercial range, optimised for seasonal efficiency!

		new			new		new	new	
		FCQG/FCQHG	FFQ	FHQG	FBQ	FDQ	FAQ	FVQ	FUQ
RZQG-L Seasonal Smart		✓	✓	✓	✓	✓	✓	✓	✓
RZQSG-L Seasonal Classic		✓	✓	✓	✓	✓	✓	✓	

## So what's new?

Thanks to this new design, Sky Air® Seasonal Smart and Seasonal Classic outdoor units boast average seasonal efficiency improvements of **more than 20%** over the current Sky Air® Inverter, and of more than 50% compared to non-inverter systems.

The compressor and heat exchanger have been **completely redesigned** to offer **optimal efficiency** at partial conditions. The inverter control has been optimised over the full temperature distribution curve, providing so optimum partial load performance and giving it high ratings in real-life operating conditions. The auxiliary modes have been redesigned to reduce residual energy consumption.

In addition to its high seasonal performance, the new Sky Air® seasonal series includes **benefits** such as a wide operating range, ability to re-use existing piping as only the indoor and outdoor unit needs to be replaced, night quiet mode reducing the sound

level of the outdoor unit. Further enhancement of **efficiency and comfort** can be achieved on Seasonal Smart thanks to selectable evaporating and condensing temperature.

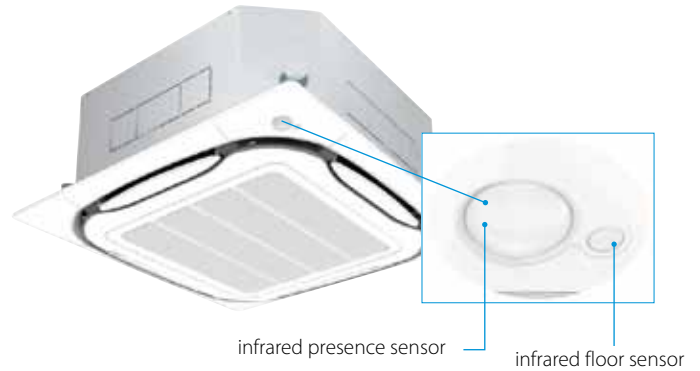
Newly designed indoors offer optimised seasonal efficiency while improvement comfort and flexibility:

- › round flow cassette (FCQG/FCQHG) **new**
- › ceiling suspended cassette (FHQG)
- › floor standing model (FVQ) **new**
- › wall mounted unit (FAQ) **new**
- › concealed ceiling unit (FBQ/FDQ) **new**

# So what's new: Indoor units

Next generation round flow cassette, setting the standard for efficiency and comfort

The round flow cassette is designed for use in all forms and sizes of commercial offices, retail spaces, restaurants, hotels and other applications. Today, Daikin has improved its technology even further to enhance your comfort and provide you better energy efficient models. With a new infrared presence and floor sensor Daikin offers you the best solution for your application. With an auto cleaning panel, efficiency and air flow – and therefore comfort – are maintained optimal.

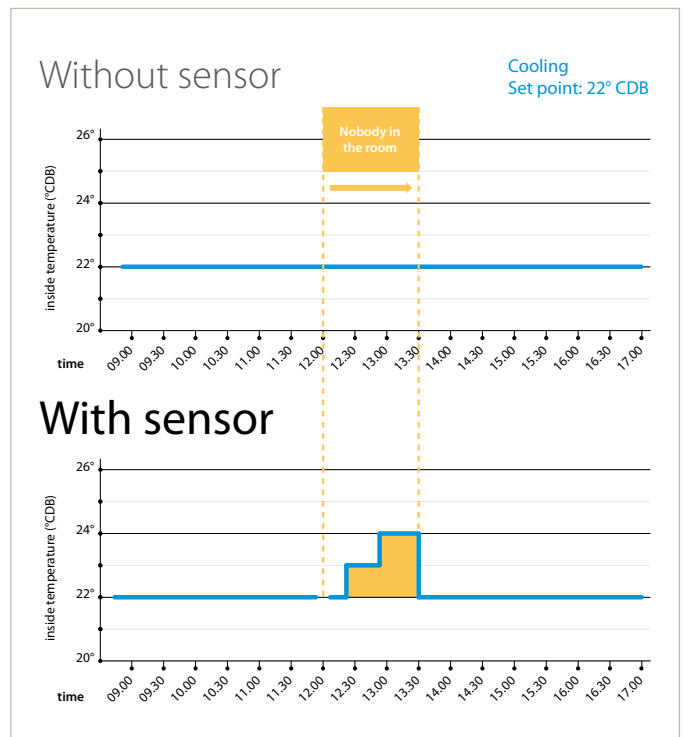


## Other features

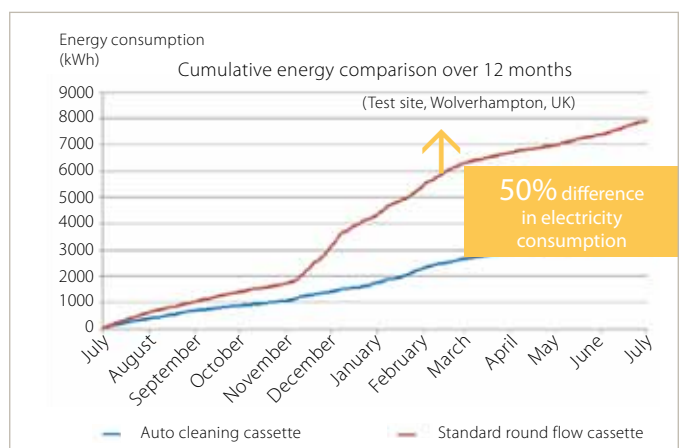
Even more energy efficient...

- › The optional **presence sensor** adjusts the temperature or switches off the unit when there is nobody in the room. Up to 27% energy can be saved with this new function

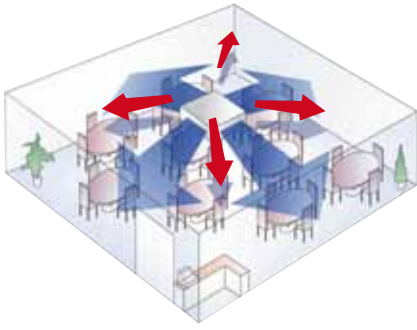
Estimated energy saving:  
**up to 27%**



- › Daikin was the first to launch an **auto cleaning decoration panel**. With this panel the costs can be further reduced as the filter cleans itself automatically once a day
- › Maintenance on filter is facilitated: less time is required.
- › Running cost can be reduced compared to standard solutions: up to **50% energy can be saved** thanks to daily filter cleaning (Wolverhampton, UK)







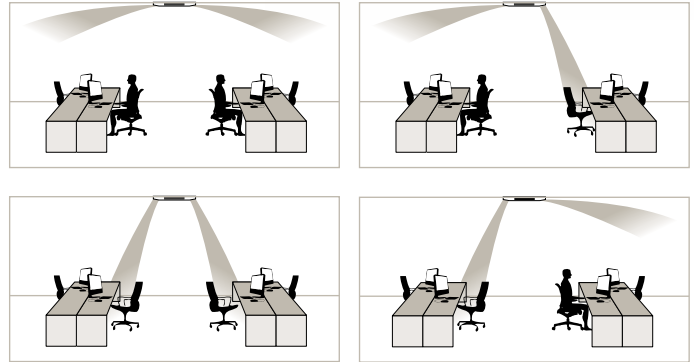
... and improved comfort

- › Already, the unique **360° air flow** discharge pattern ensures a uniform temperature distribution across the room without dead corners



**The comfort can be further enhanced thanks to the optional sensor:**

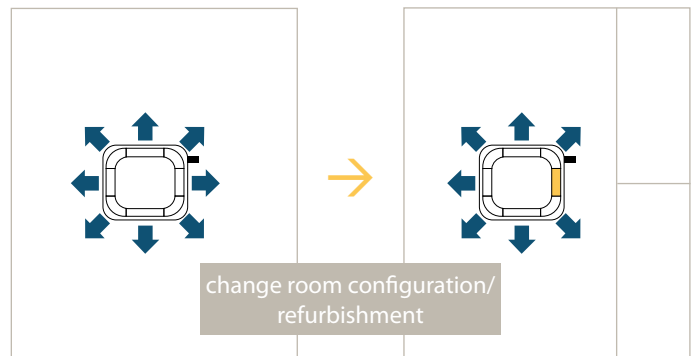
- › The **presence sensor** allows air flow control. It directs the away from any person detected in the room, when the air flow control is on.
- › With the **floor sensor** having cold feet becomes history. This sensor detects the average floor temperature and ensures even temperature distribution between ceiling and floor.



Flexible installation

**The new cassette offers higher flexibility thanks to:**

- › The possibility to easily close one or more flaps via the wired remote controller (BRC1E52 - optional), to suit the room configuration. Optional closure kits are available as well



Air conditioning...  
...with **smart use**



**new**

User friendly remote controller BRC1E52A

A series of energy saving functions that can be individually selected **new**

- › Temperature range limit
- › Improved setback function
- › Presence & floor sensor connection (available on new round flow cassette)
- › Setting temperature auto reset
- › Off timer
- › kWh indication **new**
- › 3 weekly timers **new**

## Wall mounted unit – FAQ-C



- › Seasonal efficiency, optimised for all seasons
- › Ideal solution for shops, restaurants or offices without false ceilings
- › Extension of the range: a 125 class has been developed for installation in larger rooms
- › Modern style flat front panel
- › Front panel can easily be removed and cleaned
- › No optional adapter needed for DIII-connection
- › Automatic fan speed selection: 3 fan speeds can be selected
- › D3 compatibility as standard

## Concealed ceiling unit – FDQ-C



- › Seasonal efficiency, optimised for all seasons
- › Up to 200Pa external static pressure allows extensive ductwork runs and flexible application: ideal for use in large areas
- › New casing: reduced height to fit flush into false ceilings
- › Blends unobtrusively with any interior décor: only the suction and discharge grilles are visible
- › Easy installation: less duct calculations are needed; moreover, the air flow can be adjusted during installation via the wired remote control (optional) instead of via channel adjustments.
- › Standard drain pump

## Tall floor standing unit – FVQ-C



- › Seasonal efficiency, optimised for all seasons
- › During start up, the room can be cooled down or heated very quickly; once the temperature in the room has reached its set point, the low power operation starts to save energy
- › Better air flow distribution is achieved via individual blow: up and down, swing mechanism or air volume control (class 71 & 100).
- › D3 compatibility as standard



FAQ71,100C



FDQ125C



FVQ-C



## So what's new: Outdoor units


### Seasonal efficiency outdoor units – RZQG-L

- › Seasonal efficiency, optimised for all seasons 
- › Seasonal smart series already comply with the EU's 2014 Eco-Design requirements, while 2013 still not yet implemented
- › Suits computer room applications (EDP)
- › Re-use of existing R-22 or R-407C technology
- › Down to -20°C in heating mode
- › Standard night quiet mode
- › Maximum piping length up to 75m
- › Minimum piping length: no limitation
- › Compatibility with D-BACS
- › Reduction of power consumption via i-demand option
- › Further enhancement of efficiency and or comfort thanks to selectable evaporating and condensing temperature

 Seasonal Smart



### Seasonal efficiency outdoor units – RZQSG-L

- › Seasonal efficiency, optimised for all seasons 
- › Seasonal Classic already complies with the EU's 2014 Eco-Design requirements, while 2013 still not yet implemented
- › Re-use of existing R-22 or R-407C technology
- › Down to -15°C in heating mode
- › Maximum piping length up to 50m
- › Minimum piping length: no limitation
- › Compatibility with D-BACS
- › Reduction of power consumption via i-demand option

 Seasonal Classic



# Specifications



INDOOR UNIT				FCQHG71F		FCQHG100F		FCQHG125F		FCQHG140F			
OUTDOOR UNIT				RZQG71LV1	RZQG71LY1	RZQG100LV1	RZQG100LY1	RZQG125LV1	RZQG125LY1	RZQG140LV1	RZQG140LY1		
EER				4.09		4.42		4.00		3.35			
COP				4.80		4.99		4.40		4.12			
Energy label				Cooling/Heating		A/A		A/A		A/A			
SEER				6.11		6.21		6.00		-			
SCOP				4.18		4.30		3.89		-			
Pdesign (@ -10°C)				7.6		11.3		14.1		-			
Casing				Material		Galvanised steel plate		Galvanised steel plate		Galvanised steel plate			
Dimensions				Unit		HeightxWidthxDepth		mm		288x840x840			
Weight				Unit		kg		25		25			
Decoration panel				Model		BYCQ140DW1		BYCQ140DW1		BYCQ140DW1			
				Colour		Pure White (RAL 9010)		Pure White (RAL 9010)		Pure White (RAL 9010)		Pure White (RAL 9010)	
				Dimensions		HeightxWidthxDepth		mm		50x950x950		50x950x950	
				Weight		kg		5.5		5.5		5.5	
Decoration panel				Model		BYCQ140DW1W		BYCQ140DW1W		BYCQ140DW1W			
Decoration panel				Model		BYCQ140DGW1		BYCQ140DGW1		BYCQ140DGW1			
Sound pressure level				Cooling		High/Nom./Low		dBA		36/33/29			
level				Heating		High/Nom./Low		dBA		36/33/29			
Piping connections				Drain		OD		mm		-			
Power supply				Phase / Frequency / Voltage		Hz / V		1~ / 50/60 / 220-240/220		1~ / 50/60 / 220-240/220			

All values mentioned are preliminary



INDOOR UNIT				FCQHG71F		FCQHG100F		FCQHG125F		FCQHG140F			
OUTDOOR UNIT				RZQSG71LV1	RZQSG71LY1	RZQSG100LV1	RZQSG100LY1	RZQSG125LV1	RZQSG125LY1	RZQSG140LV1	RZQSG140LY1		
EER				3.50		3.70		3.23		3.21			
COP				4.10		4.30		3.75		3.61			
Energy label				Cooling/Heating		A/A		A/A		A/A			
SEER				5.70		5.70		5.21		-			
SCOP				3.95		3.91		3.81		-			
Pdesign (@ -10°C)				7.6		8.0		8.0		-			
Casing				Material		Galvanised steel plate		Galvanised steel plate		Galvanised steel plate			
Dimensions				Unit		HeightxWidthxDepth		mm		288x840x840			
Weight				Unit		kg		25		25			
Decoration panel				Model		BYCQ140DW1		BYCQ140DW1		BYCQ140DW1			
				Colour		Pure White (RAL 9010)		Pure White (RAL 9010)		Pure White (RAL 9010)		Pure White (RAL 9010)	
				Dimensions		HeightxWidthxDepth		mm		50x950x950		50x950x950	
				Weight		kg		5.5		5.5		5.5	
Decoration panel				Model		BYCQ140DW1W		BYCQ140DW1W		BYCQ140DW1W			
Decoration panel				Model		BYCQ140DGW1		BYCQ140DGW1		BYCQ140DGW1			
Sound pressure level				Cooling		High/Nom./Low		dBA		36/33/29			
level				Heating		High/Nom./Low		dBA		36/33/29			
Piping connections				Drain		OD		mm		-			
Power supply				Phase / Frequency / Voltage		Hz / V		1~ / 50/60 / 220-240/220		1~ / 50/60 / 220-240/220			

All values mentioned are preliminary



INDOOR UNIT				FCQG71F		FCQG100F		FCQG125F		FCQG140F			
OUTDOOR UNIT				RZQG71LV1	RZQG71LY1	RZQG100LV1	RZQG100LY1	RZQG125LV1	RZQG125LY1	RZQG140LV1	RZQG140LY1		
EER				3.39		3.87		3.73		3.21			
COP				3.97		4.15		3.63		3.61			
Energy label				Cooling/Heating		A/A		A/A		A/A			
SEER				5.81		5.99		5.69		-			
SCOP				4.13		3.93		3.84		-			
Pdesign (@ -10°C)				6.3		11.3		12.7		-			
Casing				Material		Galvanised steel plate		Galvanised steel plate		Galvanised steel plate			
Dimensions				Unit		HeightxWidthxDepth		mm		204x840x840			
Weight				Unit		kg		-		-			
Decoration panel				Model		BYCQ140DW1		BYCQ140DW1		BYCQ140DW1			
				Colour		Pure White (RAL 9010)		Pure White (RAL 9010)		Pure White (RAL 9010)		Pure White (RAL 9010)	
				Dimensions		HeightxWidthxDepth		mm		50x950x950		50x950x950	
				Weight		kg		5.5		5.5		5.5	
Decoration panel				Model		BYCQ140DW1W		BYCQ140DW1W		BYCQ140DW1W			
Decoration panel				Model		BYCQ140DGW1		BYCQ140DGW1		BYCQ140DGW1			
Fan - Air flow rate				Cooling		High/Low		m³/min		27.5/19.0			
level				Heating		High/Low		m³/min		27.5/19.0			
Sound pressure level				Cooling		High/Nom./Low		dBA		33/31/28			
level				Heating		High/Nom./Low		dBA		33/31/28			
Piping connections				Drain		OD		mm		-			
Power supply				Phase / Frequency / Voltage		Hz / V		1~ / 50/60 / 220-240/220		1~ / 50/60 / 220-240/220			

All values mentioned are preliminary



INDOOR UNIT				FCQG71F		FCQG100F		FCQG125F		FCQG140F			
OUTDOOR UNIT				RZQSG71LV1	RZQSG71LY1	RZQSG100LV1	RZQSG100LY1	RZQSG125LV1	RZQSG125LY1	RZQSG140LV1	RZQSG140LY1		
EER				3.21		3.30		3.21		3.01			
COP				3.61		3.54		3.41		3.41			
Energy label				Cooling/Heating		A/A		A/B		B/B			
SEER				5.11		5.11		5.11		-			
SCOP				3.81		3.80		3.81		-			
Pdesign (@ -10°C)				6.3		7.6		7.6		-			
Casing				Material		Galvanised steel plate		Galvanised steel plate		Galvanised steel plate			
Dimensions				Unit		HeightxWidthxDepth		mm		204x840x840			
Weight				Unit		kg		-		-			
Decoration panel				Model		BYCQ140DW1		BYCQ140DW1		BYCQ140DW1			
				Colour		Pure White (RAL 9010)		Pure White (RAL 9010)		Pure White (RAL 9010)		Pure White (RAL 9010)	
				Dimensions		HeightxWidthxDepth		mm		50x950x950		50x950x950	
				Weight		kg		5.5		5.5		5.5	
Decoration panel				Model		BYCQ140DW1W		BYCQ140DW1W		BYCQ140DW1W			
Decoration panel				Model		BYCQ140DGW1		BYCQ140DGW1		BYCQ140DGW1			
Fan - Air flow rate				Cooling		High/Low		m³/min		27.5/19.0			
level				Heating		High/Low		m³/min		27.5/19.0			
Sound pressure level				Cooling		High/Nom./Low		dBA		33/31/28			
level				Heating		High/Nom./Low		dBA		33/31/28			
Piping connections				Drain		OD		mm		-			
Power supply				Phase / Frequency / Voltage		Hz / V		1~ / 50/60 / 220-240/220		1~ / 50/60 / 220-240/220			

All values mentioned are preliminary



INDOOR UNIT				FBQ71C8		FBQ100C8		FBQ125C8		FBQ140C8	
OUTDOOR UNIT				RZQG71LV1	RZQG71LY1	RZQG100LV1	RZQG100LY1	RZQG125LV1	RZQG125LY1	RZQG140LV1	RZQG140LY1
EER				3.50		3.89		3.81		3.33	
COP				3.65		4.21		3.83		3.61	
Energy label	Cooling/Heating			A/A		A/A		A/A		A/A	
SEER				5.61		5.61		5.61		-	
SCOP				4.01		4.25		4.05		-	
Pdesign (@ -10°C)				6.0		11.3		12.7		-	
Dimensions	Unit	HeightxWidthxDepth	mm	300x1,000x700		300x1,400x700		300x1,400x700		300x1,400x700	
Weight	Unit		kg	-		-		-		-	
Fan - Air flow rate	Cooling	High/Low	m <sup>3</sup> /min	18/15		32/23		39/28		39/28	
Fan - External static pressure	High/Nom.		Pa	100/30		120/40		120/50		120/50	
Sound power level	Cooling	Nom.	dBa	57		61		66		66	
Sound pressure level	Cooling	High/Low	dBa	37/29		38/32		40/33		40/33	
Piping connections	Drain	OD	mm	-		-		-		-	
Power supply	Phase / Frequency / Voltage			Hz / V 1~ / 50/60 / 220-240/220		1~ / 50/60 / 220-240/220		1~ / 50/60 / 220-240/220		1~ / 50/60 / 220-240/220	

All values mentioned are preliminary

INDOOR UNIT				FBQ71C8		FBQ100C8		FBQ125C8		FBQ140C8	
OUTDOOR UNIT				RZQSG71LV1	RZQSG71LY1	RZQSG100LV1	RZQSG100LY1	RZQSG125LV1	RZQSG125LY1	RZQSG140LV1	RZQSG140LY1
EER				3.28		3.31		3.21		3.02	
COP				3.61		3.65		3.51		3.41	
Energy label	Cooling/Heating			A/A		A/A		A/B		B/B	
SEER				5.11		5.11		4.35		-	
SCOP				3.81		3.81		3.81		-	
Pdesign (@ -10°C)				6.0		7.6		7.6		-	
Dimensions	Unit	HeightxWidthxDepth	mm	300x1,000x700		300x1,400x700		300x1,400x700		300x1,400x700	
Weight	Unit		kg	-		-		-		-	
Fan - Air flow rate	Cooling	High/Low	m <sup>3</sup> /min	18/15		32/23		39/28		39/28	
Fan - External static pressure	High/Nom.		Pa	100/30		120/40		120/50		120/50	
Sound power level	Cooling	Nom.	dBa	57		61		66		66	
Sound pressure level	Cooling	High/Low	dBa	37/29		38/32		40/33		40/33	
Piping connections	Drain	OD	mm	-		-		-		-	
Power supply	Phase / Frequency / Voltage			Hz / V 1~ / 50/60 / 220-240/220		1~ / 50/60 / 220-240/220		1~ / 50/60 / 220-240/220		1~ / 50/60 / 220-240/220	

All values mentioned are preliminary

INDOOR UNIT				FHQ71C		FHQ100C		FHQ125C		FHQ140C	
OUTDOOR UNIT				RZQG71LV1	RZQG71LY1	RZQG100LV1	RZQG100LY1	RZQG125LV1	RZQG125LY1	RZQG140LV1	RZQG140LY1
EER				3.82		3.81		3.35		3.31	
COP				4.13		4.15		3.89		3.63	
Energy label	Cooling/Heating			A/A		A/A		A/A		A/A	
SEER				5.65		5.69		5.11		-	
SCOP				3.95		4.20		4.01		-	
Pdesign (@ -10°C)				7.6		11.3		14.1		-	
Casing	Colour			Fresh white (6.5Y 9.5/0.5)							
Dimensions	Unit	HeightxWidthxDepth	mm	235x1,270x690		235x1,590x690					
Weight	Unit		kg	32		38					
Fan - Air flow rate	Cooling	High/Nom./Low	m <sup>3</sup> /min	20.5/17/14		28/24/20		31/27/23		34/29/24	
	Heating	High/Nom./Low	m <sup>3</sup> /min	20.5/17/14		28/24/20		31/27/23		34/29/24	
Sound power level	Cooling	Nom.	dBa	55		60		62		64	
Sound pressure level	Cooling	High/Nom./Low	dBa	38/36/34		42/38/34		44/41/37		46/42/38	
	Heating	High/Nom./Low	dBa	38/36/34		42/38/34		44/41/37		46/42/38	
Piping connections	Drain	OD	mm	-							
Power supply	Phase / Frequency / Voltage			Hz / V 1~ / 50 / 220-240							

All values mentioned are preliminary

INDOOR UNIT				FHQ71C		FHQ100C		FHQ125C		FHQ140C	
OUTDOOR UNIT				RZQSG71LV1	RZQSG71LY1	RZQSG100LV1	RZQSG100LY1	RZQSG125LV1	RZQSG125LY1	RZQSG140LV1	RZQSG140LY1
EER				3.46		3.21		2.89		3.01	
COP				4.00		3.61		3.62		3.41	
Energy label	Cooling/Heating			A/A		A/A		C/A		B/B	
SEER				5.11		5.11		4.61		-	
SCOP				3.81		3.80		3.81		-	
Pdesign (@ -10°C)				7.6		7.6		7.6		-	
Casing	Colour			Fresh white (6.5Y 9.5/0.5)							
Dimensions	Unit	HeightxWidthxDepth	mm	235x1,270x690		235x1,590x690					
Weight	Unit		kg	32		38					
Fan - Air flow rate	Cooling	High/Nom./Low	m <sup>3</sup> /min	20.5/17/14		28/24/20		31/27/23		34/29/24	
	Heating	High/Nom./Low	m <sup>3</sup> /min	20.5/17/14		28/24/20		31/27/23		34/29/24	
Sound power level	Cooling	Nom.	dBa	55		60		62		64	
Sound pressure level	Cooling	High/Nom./Low	dBa	38/36/34		42/38/34		44/41/37		46/42/38	
	Heating	High/Nom./Low	dBa	38/36/34		42/38/34		44/41/37		46/42/38	
Piping connections	Drain	OD	mm	-							
Power supply	Phase / Frequency / Voltage			Hz / V 1~ / 50 / 220-240							

All values mentioned are preliminary

# Specifications



INDOOR UNIT				FAQ71C		FAQ100C		FAQ125C		
OUTDOOR UNIT				RZQG71LV1	RZQG71LY1	RZQG100LV1	RZQG100LY1	RZQG125LV1	RZQG125LY1	
EER				3.40		3.62		-		
COP				3.70		3.61		-		
Energy label	Cooling/Heating			A/A		A/A		-		
SEER				5.21		5.11		-		
SCOP				3.90		4.01		-		
Pdesign (@ -10°C)				6.3		10.2		-		
Casing		Colour	Fresh white (6.5Y 9.5/0.5)						-	
		Material	Resin						-	
Dimensions	Unit	HeightxWidthxDepth	mm	290x1,050x238		340x1,200x240		340x1,200x240		
Weight	Unit			kg		13		17		
Fan - Air flow rate	Cooling	High/Nom./Low	m <sup>3</sup> /min	18/16/14		26/23/19		-/-/-		
	Heating	High/Nom./Low	m <sup>3</sup> /min	18/16/14		26/23/19		-/-/-		
Sound power level	Cooling	High/Nom./Low	dBA	61/58/56		65/62/58		-/-/-		
	Heating	High/Nom./Low	dBA	61/58/56		65/62/58		-/-/-		
Sound pressure level	Cooling	High/Nom./Low	dBA	45/42/40		49/45/41		-/-/-		
	Heating	High/Nom./Low	dBA	45/42/40		49/45/41		-/-/-		
Piping connections	Drain	OD	mm	-		-		-		
Power supply	Phase / Frequency / Voltage			Hz / V		1~ / 50/60 / 220-240/220		1~ / 50/60 / 220-240/220		

All values mentioned are preliminary



INDOOR UNIT				FAQ71C		FAQ100C		FAQ125C		
OUTDOOR UNIT				RZQSG71LV1	RZQSG71LY1	RZQSG100LV1	RZQSG100LY1	RZQSG125LV1	RZQSG125LY1	
EER				3.21		3.01		-		
COP				3.61		3.41		-		
Energy label	Cooling/Heating			A/A		B/B		-		
SEER				5.11		4.61		-		
SCOP				3.81		3.81		-		
Pdesign (@ -10°C)				6.0		6.8		-		
Casing		Colour	Fresh white (6.5Y 9.5/0.5)						-	
		Material	Resin						-	
Dimensions	Unit	HeightxWidthxDepth	mm	290x1,050x238		340x1,200x240		340x1,200x240		
Weight	Unit			kg		13		17		
Fan - Air flow rate	Cooling	High/Nom./Low	m <sup>3</sup> /min	18/16/14		26/23/19		-/-/-		
	Heating	High/Nom./Low	m <sup>3</sup> /min	18/16/14		26/23/19		-/-/-		
Sound power level	Cooling	High/Nom./Low	dBA	61/58/56		65/62/58		-/-/-		
	Heating	High/Nom./Low	dBA	61/58/56		65/62/58		-/-/-		
Sound pressure level	Cooling	High/Nom./Low	dBA	45/42/40		49/45/41		-/-/-		
	Heating	High/Nom./Low	dBA	45/42/40		49/45/41		-/-/-		
Piping connections	Drain	OD	mm	-		-		-		
Power supply	Phase / Frequency / Voltage			Hz / V		1~ / 50/60 / 220-240/220		1~ / 50/60 / 220-240/220		

All values mentioned are preliminary



INDOOR UNIT				FVQ71C		FVQ100C		FVQ125C		FVQ140C	
OUTDOOR UNIT				RZQG71LV1	RZQG71LY1	RZQG100LV1	RZQG100LY1	RZQG125LV1	RZQG125LY1	RZQG140LV1	RZQG140LY1
EER				3.37		3.81		3.21		3.21	
COP				3.64		4.14		3.70		3.61	
Energy label	Cooling/Heating			A/A		A/A		A/A		A/A	
SEER				5.16		5.59		4.77		-	
SCOP				3.81		3.80		3.85		-	
Pdesign (@ -10°C)				6.3		11.3		11.3		-	
Dimensions	Unit	HeightxWidthxDepth	mm	1,850x600x270		1,850x600x350		1,850x600x350		1,850x600x350	
Weight	Unit			kg		39		47		47	
Sound power level	Cooling	High/Nom./Low	dBA	55/53/50		62/59/56		63/60/58		65/63/60	
Sound pressure level	Cooling	High/Nom./Low	dBA	43/41/38		50/47/44		51/48/46		53/51/48	
Piping connections	Drain	OD	mm	-		-		-		-	
Power supply	Phase / Frequency / Voltage			Hz / V		1~ / 50/60 / 220-240/220					

All values mentioned are preliminary



INDOOR UNIT				FVQ71C		FVQ100C		FVQ125C		FVQ140C	
Outdoor unit				RZQSG71LV1	RZQSG71LY1	RZQSG100LV1	RZQSG100LY1	RZQSG125LV1	RZQSG125LY1	RZQSG140LV1	RZQSG140LY1
EER				3.21		3.21		2.81		3.01	
COP				3.61		3.61		3.41		3.41	
Energy label	Cooling/Heating			A/A		A/A		C/B		B/B	
SEER				5.11		5.11		4.31		-	
SCOP				3.81		3.80		3.81		-	
Pdesign (@ -10°C)				6.0		7.6		7.6		-	
Dimensions	Unit	HeightxWidthxDepth	mm	1,850x600x270		1,850x600x350		1,850x600x350		1,850x600x350	
Weight	Unit			kg		39		47		47	
Sound power level	Cooling	High/Nom./Low	dBA	55/53/50		62/59/56		63/60/58		65/63/60	
Sound pressure level	Cooling	High/Nom./Low	dBA	43/41/38		50/47/44		51/48/46		53/51/48	
Piping connections	Drain	OD	mm	-		-		-		-	
Power supply	Phase / Frequency / Voltage			Hz / V		1~/50-60/220-240/220					

All values mentioned are preliminary

INDOOR UNIT				FUQ71B		FUQ100B		FUQ125B	
OUTDOOR UNIT				RZQG71L7V1	RZQG71LY1	RZQG100L7V1	RZQG100LY1	RZQG125L7V1	RZQG125LY1
EER				4.05		3.86		3.39	
COP				4.08		3.95		3.42	
Energy label	Cooling/Heating			A/A		A/A		A/B	
SEER				5.25		4.67		4.41	
SCOP				3.89		4.02		4.09	
Pdesign (@ -10°C)				5.1		9.0		11.3	
Casing	Colour					White			
	Material					Resin			
Dimensions	Unit	HeightxWidthxDepth	mm	165x895x895		230x895x895			
Weight	Unit		kg	25.0		31.0			
Fan - Air flow rate	Cooling	High/Low	m <sup>3</sup> /min	19.0/14.0		29.0/21.0		32.0/23.0	
	Heating	High/Low	m <sup>3</sup> /min	19.0/14.0		29.0/21.0		32.0/23.0	
Sound power level	Cooling	High/Low	dBA	56/51.0		59.0/54.0		60/55	
	Heating	High/Low	dBA	56/51		59.0/54.0		60/55	
Sound pressure level	Cooling	High/Low	dBA	40/35		43.0/38.0		44/39	
	Heating	High/Low	dBA	40/35		43.0/38.0		44/39	
Piping connections	Drain	OD	mm			-			
Power supply	Phase / Frequency / Voltage			Hz / V		1~ / 50 / 220-240			

All values mentioned are preliminary

INDOOR UNIT				FDQ125C	
OUTDOOR UNIT				RZQG125L7V1	RZQG125LY1
EER				3.75	
COP				3.83	
Energy label	Cooling/Heating			A/A	
SEER				5.61	
SCOP				4.05	
Pdesign (@ -10°C)				12.7	
Casing	Colour			Not painted (galvanised)	
Dimensions	Unit	HeightxWidthxDepth	mm	300x1,400x700	
Weight	Unit		kg	45	
Decoration panel	Model			BYBS125DJW1	
	Colour			White (10Y9/0.5)	
	Dimensions	HeightxWidthxDepth	mm	55x1,500x500	
	Weight		kg	6.5	
Fan - Air flow rate	Cooling	High/Low	m <sup>3</sup> /min	39/28	
	Heating	High/Low	m <sup>3</sup> /min	39/28	
Fan - External static pressure	High/Nom.		Pa	200/50	
Sound power level	Cooling	Nom.	dBA	66	
Sound pressure level	Cooling	High/Low	dBA	40/33	
	Heating	High/Low	dBA	40/33	
Piping connections	Drain	OD	mm	-	
Power supply	Phase / Frequency / Voltage			Hz / V	
				1~ / 50/60 / 220-240/220	

All values mentioned are preliminary

INDOOR UNIT				FDQ125C	
OUTDOOR UNIT				RZQSG125LV1	RZQSG125LY1
EER				3.21	
COP				3.51	
Energy label	Cooling/Heating			A/B	
SEER				4.31	
SCOP				3.81	
Pdesign (@ -10°C)				7.6	
Casing	Colour			Not painted (galvanised)	
Dimensions	Unit	HeightxWidthxDepth	mm	300x1,400x700	
Weight	Unit		kg	45	
Decoration panel	Model			BYBS125DJW1	
	Colour			White (10Y9/0.5)	
	Dimensions	HeightxWidthxDepth	mm	55x1,500x500	
	Weight		kg	6.5	
Fan - Air flow rate	Cooling	High/Low	m <sup>3</sup> /min	39/28	
	Heating	High/Low	m <sup>3</sup> /min	39/28	
Fan - External static pressure	High/Nom.		Pa	200/50	
Sound power level	Cooling	Nom.	dBA	66	
Sound pressure level	Cooling	High/Low	dBA	40/33	
	Heating	High/Low	dBA	40/33	
Piping connections	Drain	OD	mm	-	
Power supply	Phase / Frequency / Voltage			Hz / V	
				1~ / 50/60 / 220-240/220	

All values mentioned are preliminary

# Specifications



OUTDOOR UNIT				RZQG71L7V1	RZQG71LY1	RZQG100L7V1	RZQG100LY1	RZQG125L7V1	RZQG125LY1	RZQG140L7V1	RZQG140LY1
Dimensions	Unit	HeightxWidthxDepth	mm	990x940x320	990x940x320	1,430x940x320	1,430x940x320	1,430x940x320	1,430x940x320	1,430x940x320	1,430x940x320
Weight	Unit		kg	77	77	99	99	99	99	99	99
Sound power level	Cooling	Nom.	dB(A)	64	64	66	66	67	67	68	68
	Heating	Nom.	dB(A)	48	48	50	50	51	51	51	51
Sound pressure level	Cooling	Nom.	dB(A)	48	48	50	50	51	51	51	51
	Heating	Nom.	dB(A)	50	50	52	52	53	53	53	53
Compressor	Night quiet mode	Level 1	dB(A)	43	43	45	45	45	45	45	45
	Type			-	-	-	-	-	-	-	-
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-15~50	-15~50	-15~50	-15~50	-15~50	-15~50	-5~46
	Heating	Ambient	Min.~Max.	°CWB	-20~15.5	-20~15.5	-20~15.5	-20~15.5	-20~15.5	-20~15.5	-10~15.5
Refrigerant	Type			R-410A	R-410A	R-410A	R-410A	R-410A	R-410A	R-410A	R-410A
Piping connections	Additional refrigerant charge		kg/m	-	-	-	-	-	-	-	-
	Level difference	IU - OU	Max.	m	-	-	-	-	-	-	-
Power supply	Phase / Frequency / Voltage		Hz / V	1~/50/220-240	3~/50/400	1~/50/220-240	3~/50/400	1~/50/220-240	3~/50/400	1~/50/220-240	3~/50/400

All values mentioned are preliminary



OUTDOOR UNIT				RZQSG71LV1	RZQSG71LY1	RZQSG100LV1	RZQSG100LY1	RZQSG125LV1	RZQSG125LY1	RZQSG140LV1	RZQSG140LY1
Dimensions	Unit	HeightxWidthxDepth	mm	770x900x320	770x900x320	990x940x320	990x940x320	990x940x320	990x940x320	1,430x940x320	1,430x940x320
Weight	Unit		kg	68	68	77	77	77	77	99	99
Sound power level	Cooling	Nom.	dB(A)	-	-	-	-	-	-	-	-
	Heating	Nom.	dB(A)	-	-	-	-	-	-	-	-
Sound pressure level	Cooling	Nom.	dB(A)	-	-	-	-	-	-	-	-
	Heating	Nom.	dB(A)	-	-	-	-	-	-	-	-
Compressor	Night quiet mode	Level 1	dB(A)	-	-	-	-	-	-	-	-
	Type			-	-	-	-	-	-	-	-
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-5~46	-5~46	-5~46	-5~46	-5~46	-5~46	-5~46
	Heating	Ambient	Min.~Max.	°CWB	-10~15.5	-10~15.5	-10~15.5	-10~15.5	-10~15.5	-10~15.5	-10~15.5
Refrigerant	Type			R-410A	R-410A	R-410A	R-410A	R-410A	R-410A	R-410A	R-410A
Piping connections	Additional refrigerant charge		kg/m	-	-	-	-	-	-	-	-
	Level difference	IU - OU	Max.	m	-	-	-	-	-	-	-
Power supply	Phase / Frequency / Voltage		Hz / V	1~/50/220-240	3~/50/400	1~/50/220-240	3~/50/400	1~/50/220-240	3~/50/400	1~/50/220-240	3~/50/400

All values mentioned are preliminary



Daikin's unique position as a manufacturer of air conditioning equipment, compressors and refrigerants has led to its close involvement in environmental issues. For several years Daikin has had the intention to become a leader in the provision of products that have limited impact on the environment. This challenge demands the eco design and development of a wide range of products and an energy management system, resulting in energy conservation and a reduction of waste.



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