



Air Conditioners

Heating & Cooling

SkyAir

- » Seasonal efficiency, optimized for all seasons
- » High COP cassette ensures top performance
- » 360° air discharge
- » Auto-cleaning cassette
- » Even more comfort by avoiding draught
- » Cold feet become history
- » Re-use technology
- » Extended operating range down to -20°C in heating

High COP, round flow cassette



www.daikin.eu



FCQG-F, FCQHG-F



Next generation round flow cassette sets the standard for efficiency and comfort

Give your customers and guests whisper-quiet, 360° surround comfort with the Daikin round flow cassette. And as part of the Daikin seasonal efficiency line-up, the round flow cassette meets tomorrow's stricter energy requirements today. Plus, an optional auto-cleaning panel, and presence and floor sensors ensure optimum efficiency in all conditions. So businesses like yours with long running hours and high air conditioning loads can enjoy the lower operating costs and increased comfort of tomorrow's technology, today.

Efficiency across the board

› Ready for the seasonal efficiency challenge

The performance of the new Daikin Sky Air seasonal efficiency lines are rated according to the new seasonal efficiency standard. This guarantees that the rated performance corresponds to the **actual operating conditions** of your shop, office, restaurant or hotel.

› Great energy saving functions via new wired controller

An enhanced **wired controller** BRC1E52A/B gives you access to the full functionality of the FCQG and FCQHG round flow cassette. There are three programmable schedules (e.g. winter, summer, mid-season) plus a holiday function to disable the schedule timer. And the handy controller indicates kWh usage by day/month/year, allowing you to clearly monitor your energy use.

Controller features:

- › Temperature range limit
- › Improved setback function
- › Support for presence and floor sensor
- › Off timer
- › kWh indication
- › 3 weekly timers



Wired remote control BRC1E52A/B (optional)

Auto-cleaning panel assures consistent top performance

The round flow cassette can be equipped with a special filter that cleans itself once a day, ensuring consistent, optimum efficiency. The dust collected during daily cleaning is stored in a dust box that can hold up to 12 months of dust, with an indicator light showing when dust box cleaning is required. Annual or bi-annual cleaning by in-house maintenance personnel, using an ordinary vacuum cleaner, is all that is needed: no ladders, no need to touch the cassette panel or come in contact with the dust. **Efficiency gains up to 50%** compared to standard panels.

› Combining highest efficiency and year-round comfort with a heat pump system

Air-to-air heat pumps obtain 75% of their output energy from renewable sources: the ambient air, which is both renewable and inexhaustible. Of course, heat pumps also require electricity to run the system, but increasingly this electricity can also be generated from renewable energy sources (solar energy, wind energy, hydropower, biomass).

Flexible installation in suspended ceilings

› Easy installation, blends with any interior

- The round flow cassettes are designed for easy installation in suspended ceilings .
- The decorative front panel of the round flow cassette is available in 2 colour schemes: white with white louvers (RAL9010) , and white (RAL9010) with grey louvers.

› Closable flaps for installation in corners or along walls

The optional closure kit makes it possible to achieve 2-way, 3-way and 4-way flow patterns, allowing the round flow cassette to be installed in a corner, next to a wall or in a confined space. 23 different air flow patterns are possible, and since the flaps can be easily closed via the wired remote controller, you will never need to change the unit's location when rearranging your interior.



change room configuration/refurbishment



Perfect comfort for your customers and guests

› 360° airflow for even temperatures and airflow

360° operation ensures even distribution of temperatures and airflow throughout your office, restaurant or shop, with no dead spots.

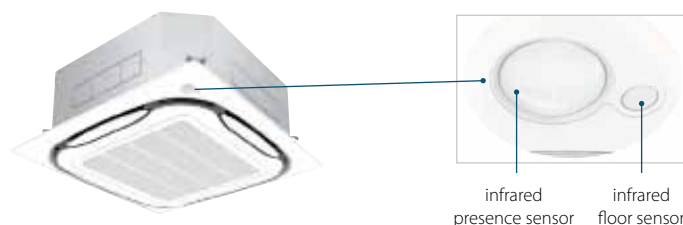
The vertical auto swing system automatically cycles the outflow louvers up and down, enabling an even distribution of air and temperature throughout the room. Three settings are possible: standard, draught prevention and ceiling soiling prevention. The latter ensures that air is never blown horizontal to the ceiling, thus preventing soiling

› Whisper quiet

With sound levels down to 28dBA (the level of rustling leaves), your customers and visitors can attend to their business undisturbed.

› Presence and floor sensor for intelligent energy use and optimum comfort

An optional presence sensor saves you up to 27% more in energy use and allows the system to dynamically respond to room occupancy. If the room is empty, air conditioning can be automatically switched off. When the room is occupied, air flow is directed away from occupants for draught-free comfort. And the floor sensor ensures even temperature distribution between ceiling and floor, so that cold feet are a thing of the past.



Cool or heat up to 9 rooms with a single outdoor unit

A single multi outdoor unit can power up to nine indoor units in different rooms. Of course, the climate of each room is individually controlled. This assures top efficiency and optimum comfort for each separate space. For long or irregularly shaped rooms you can use up to four indoor units powered by a single outdoor unit. All indoor units are controlled at the same time.

Seasonal efficiency: optimised energy performance for all seasons

The Daikin seasonal efficiency outdoor and indoor units derive their name from the improved EU standard for measuring energy efficiency. Seasonal efficiency ratings are part of Europe's approach to achieving its challenging environmental targets for 2020. The new seasonal efficiency rating scheme, or SEER (Seasonal Energy Efficiency Ratio), will be mandatory after 2013 and measures environmental performance in situations much closer to real life.

Where the old scheme measured efficiency at only one outdoor temperature and with equipment running at full load, the new seasonal efficiency scheme measures efficiency across a range of outdoor temperatures, under partial load situations and includes energy consuming auxiliary modes (such as standby) that were ignored under the old scheme.

These new ratings reward designs that truly increase energy performance in real life situations. Daikin is proud to be playing a leading role in developing and implementing this new standard, and in integrating these new standards today, well before their required implementation in 2013.



Seasonal efficiency
for year round
top energy
performances

Heating & Cooling

INDOOR UNIT				FCQG35F	FCQG50F	FCQG60F
Cooling capacity	Nom.		kW	3.40 ³	5.00 ³	5.70 ³
Heating capacity	Nom.		kW	4.20 ⁴	6.00 ⁴	7.00 ⁴
Power input	Cooling	Nom.	kW	0.95	1.41	1.64
	Heating	Nom.	kW	1.23	1.62	1.99
EER				3.58	3.55	3.48
COP				3.41	3.70	3.52
Annual energy consumption			kWh	475	705	820
Energy label	Cooling/Heating			A/B	A/A	A/B
Casing	Material			Galvanised steel plate		
Dimensions	Unit	HeightxWidthxDepth	mm	204x840x840		
Weight	Unit		kg	18		19
Standard decoration panel	Model			BYCQ140D7W1		
	Colour			Pure White (RAL 9010)		
	Dimensions	HeightxWidthxDepth	mm	60x950x950		
White decoration panel	Model			BYCQ140D7W1W		
	Colour			Pure White (RAL 9010)		
	Dimensions	HeightxWidthxDepth	mm	60x950x950		
Auto-cleaning decoration panel	Model			BYCQ140D7GW1		
	Colour			Pure White (RAL 9010)		
	Dimensions	HeightxWidthxDepth	mm	145x950x950		
Fan - Air flow rate	Model			10.3		
	Weight		kg			
	Cooling	High/Nom./Low	m ³ /min	12.5/10.6/8.7	12.6/10.7/8.7	13.6/11.2/8.7
Sound power level	Heating	High/Nom./Low	m ³ /min	12.5/10.6/8.7	12.6/10.7/8.7	13.6/11.2/8.7
	Cooling	High	dBA	49		51
Sound pressure level	Heating	High	dBA	49		51
	Cooling	High/Nom./Low	dBA	31/29/27		33/31/28
Piping connections	Heating	High/Nom./Low	dBA	31/29/27		33/31/28
	Liquid	OD	mm	6.35		
	Gas	OD	mm	9.52	12.7	
Power supply	Drain	OD	mm	-		
	Phase / Frequency / Voltage			Hz / V		
				1~ / 50 / 220-240		

(1) Energy label: scale from A (most efficient) to G (less efficient) (2) Annual energy consumption: based on average use of 500 running hours per year at full load (nominal conditions) (3) Cooling: indoor temp. 27°CDB, 19.0°CWB; outdoor temp. 35°CDB; equivalent piping length: 5m; level difference: 0m (4) Heating: indoor temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB; equivalent refrigerant piping: 5m; level difference: 0m (5) The sound power level is an absolute value indicating the power which a sound source generates. (6) The BYCQ140D-7W1W 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.

OUTDOOR UNIT				RXS35J	RXS50J	RXS60F	
Dimensions	Unit	HeightxWidthxDepth	mm	550x765x285		735x825x300	
Weight	Unit		kg	34		48	
Fan	Air flow rate	Cooling	High	m ³ /min	36.0	50.9	
			Low				42.4
			Super low	m ³ /min	30.1	48.9	
		Heating	High	m ³ /min	28.3	45.0	46.3
			Lo				42.4
			Super low	m ³ /min	25.6	43.1	
Sound power level	Cooling	High	dBA		63		
Sound pressure level	Cooling	High/Silent operation	dBA	48/44		49/46	
	Heating	High/Silent operation	dBA	48/45		49/46	
Compressor	Type			Hermetically sealed swing compressor			
Operation range	Cooling	Ambient	Min.~Max.	°CDB			
	Heating	Ambient	Min.~Max.	°CWB			
Refrigerant	Type			R-410A			
Piping connections	Liquid	OD	mm	6.35			
	Gas	OD	mm	9.52	12.7		
	Additional refrigerant charge			kg/m			
Power supply	Level difference	IU - OU	Max.	m			
	Phase / Frequency / Voltage			Hz / V			
				15		20	
				1~ / 50 / 220-240			



INDOOR UNIT				FCQG71F	FCQG100F	FCQG125F	FCQG140F	FCQG100F	FCQG125F	FCQG140F		
Cooling capacity	Nom.			kW	6.8 ³	9.5 ³	12.0 ³	13.4 ³	9.5 ³	12.0 ³	13.4 ³	
Heating capacity	Nom.			kW	7.5 ⁴	10.8 ⁴	13.5 ⁴	15.5 ⁴	10.8 ⁴	13.5 ⁴	15.5 ⁴	
Power input	Cooling	Nom.		kW	2.01	2.45	3.22	4.17	2.45	3.22	4.17	
	Heating	Nom.		kW	1.89	2.60	3.72	4.30	2.60	3.72	4.30	
EER					3.39	3.87	3.73	3.21	3.87	3.73	3.21	
COP					3.97	4.15	3.63	3.61	4.15	3.63	3.61	
SEER					5.81 ⁶	5.99 ⁶	5.69 ⁶	-	5.99 ⁶	5.69 ⁶	-	
SCOP					4.13 ⁶	3.93 ⁶	3.84 ⁶	-	3.93 ⁶	3.84 ⁶	-	
Annual energy consumption				kWh	1,005	1,225	1,610	2,085	1,225	1,610	2,085	
Energy label	Cooling/Heating				A/A				A/A			
Casing	Material				Galvanised steel plate				Galvanised steel plate			
Dimensions	Unit	HeightxWidthxDepth		mm	204x840x840		246x840x840		246x840x840			
	Unit			kg	21		24		24			
Standard decoration panel	Model				BYCQ140D7W1				BYCQ140D7W1			
	Colour				Pure White (RAL 9010)				Pure White (RAL 9010)			
	Dimensions	HeightxWidthxDepth		mm	60x950x950				60x950x950			
	Weight			kg	5.4				5.4			
White decoration panel	Model				BYCQ140D7W1W				BYCQ140D7W1W			
	Colour				Pure White (RAL 9010)				Pure White (RAL 9010)			
	Dimensions	HeightxWidthxDepth		mm	60x950x950				60x950x950			
	Weight			kg	5.4				5.4			
Auto-cleaning decoration panel	Model				BYCQ140D7GW1				BYCQ140D7GW1			
	Colour				Pure White (RAL 9010)				Pure White (RAL 9010)			
	Dimensions	HeightxWidthxDepth		mm	145x950x950				145x950x950			
	Weight			kg	10.3				10.3			
Fan - Air flow rate	Cooling	High/Nom./Low		m ³ /min	15.0/12.1/9.1	22.8/17.6/12.4	26.0/19.2/12.4		22.8/17.6/12.4		26.0/19.2/12.4	
	Heating	High/Nom./Low		m ³ /min	15.0/12.1/9.1	22.8/17.6/12.4	26.0/19.2/12.4		22.8/17.6/12.4		26.0/19.2/12.4	
Sound power level	Cooling	High		dBA	51	54	58		54		58	
	Heating	High		dBA	51	54	58		54		58	
Sound pressure level	Cooling	High/Nom./Low		dBA	33/31/28	37/33/29	41/35/29		37/33/29		41/35/29	
	Heating	High/Nom./Low		dBA	33/31/28	37/33/29	41/35/29		37/33/29		41/35/29	
Piping connections	Liquid	OD		mm	9.52				9.52			
	Gas	OD		mm	15.9				15.9			
	Drain	OD		mm	-				-			
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240				1~ / 50 / 220-240			

(1) Energy label: scale from A (most efficient) to G (less efficient) (2) Annual energy consumption: based on average use of 500 running hours per year at full load (nominal conditions) (3) Cooling: indoor temp. 27°CDB, 19°CWB; outdoor temp. 35°CDB, 24°CWB; equivalent piping length: 5m (4) Heating: indoor temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB; equivalent refrigerant piping: 5m (5) Annual energy consumption is according to Energy labeling directive 2002/31/EC (6) SEER and SCOP are according to EN 14825 (7) The sound power level is an absolute value indicating the power which a sound source generates. (8) 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.

OUTDOOR UNIT				RZQG71L7V1	RZQG100L7V1	RZQG125L7V1	RZQG140L7V1	RZQG100LY1	RZQG125LY1	RZQG140LY1	
Dimensions	Unit	HeightxWidthxDepth		mm	990x940x320		1,430x940x320		1,430x940x320		
Weight	Unit			kg	78		102		101		
Fan	Air flow rate	Cooling	Nom.	m ³ /min	59		70		70		84
		Heating	Nom.	m ³ /min	49		62		62		84
Sound power level	Cooling	Nom.		dBA	64	66	67	69	66	67	69
Sound pressure level	Cooling	Nom.		dBA	48	50	51	52	50	51	52
	Heating	Nom.		dBA	50	52	53	53	52	53	53
	Night quiet mode	Level 1		dBA	43		45		45		
Compressor	Type				Hermetically sealed swing compressor				Hermetically sealed swing compressor		
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-15.0~50.0				-15.0~50.0		
	Heating	Ambient	Min.~Max.	°CWB	-20.0~-15.5				-20.0~-15.5		
Refrigerant	Type				R-410A				R-410A		
Piping connections	Liquid	OD		mm	9.52				9.52		
	Gas	OD		mm	15.9				15.9		
	Drain	OD		mm	26				26		
	Additional refrigerant charge			kg/m	See installation manual 4P302555-1				See installation manual 4P302555-1		
Level difference	IU - OU	Max.		m	30.0				30.0		
	IU - IU	Max.		m	0.5				0.5		
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240				3N~ / 50 / 380-415		

(1) PED: assembly = category 1: excluded from scope of PED due to article 1, item 3.6 of 97/23/EC (2) Equipment complying with IEN/IEC 61000-3-12: European/international technical standard setting the limits for harmonic currents produced by equipment connected to public low-voltage system with input current > 16A and ≤ 75A per phase



FCQG-F



INDOOR UNIT				FCQG71F	FCQG100F	FCQG125F	FCQG140F	FCQG100F	FCQG125F	FCQG140F	
Cooling capacity	Nom.			kW	6.8 ³	9.5 ³	12.0 ³	13.4 ³	9.5 ³	12.0 ³	13.4 ³
Heating capacity	Nom.			kW	7.5 ⁴	10.8 ⁴	13.5 ⁴	15.5 ⁴	10.8 ⁴	13.5 ⁴	15.5 ⁴
Power input	Cooling	Nom.		kW	1.94	2.88	3.74	4.45	2.88	3.74	4.45
	Heating	Nom.		kW	1.83	3.05	3.96	4.54	3.05	3.96	4.54
EER					3.5	3.30	3.21	3.01	3.30	3.21	3.01
COP					4.1	3.54	3.41		3.54	3.41	3.41
SEER					-	5.11 ⁵		-	5.11 ⁵	5.11 ⁵	-
SCOP					-	3.80 ⁵	3.81 ⁵	-	3.80 ⁵	3.81 ⁵	-
Annual energy consumption				kWh	971	1,440	1,870	2,225	1,440	1,870	2,225
Energy label	Cooling/Heating				A/A		A/B	B/B	A/A	A/B	B/B
Casing	Material				Galvanised steel plate			Galvanised steel plate			
Dimensions	Unit	HeightxWidthxDepth		mm	204x840x840		246x840x840		246x840x840		
	Unit			kg	21		24		24		
Standard decoration panel	Model				BYCQ140D7W1			BYCQ140D7W1			
	Colour				Pure White (RAL 9010)			Pure White (RAL 9010)			
	Dimensions	HeightxWidthxDepth		mm	60x950x950			60x950x950			
	Weight			kg	5.4			5.4			
White decoration panel	Model				BYCQ140D7W1W			BYCQ140D7W1W			
	Colour				Pure White (RAL 9010)			Pure White (RAL 9010)			
	Dimensions	HeightxWidthxDepth		mm	60x950x950			60x950x950			
	Weight			kg	5.4			5.4			
Auto-cleaning decoration panel	Model				BYCQ140D7GW1			BYCQ140D7GW1			
	Colour				Pure White (RAL 9010)			Pure White (RAL 9010)			
	Dimensions	HeightxWidthxDepth		mm	145x950x950			145x950x950			
	Weight			kg	10.3			10.3			
Fan - Air flow rate	Cooling	High/Nom./Low		m ³ /min	15.0/12.1/9.1	22.8/17.6/12.4	26.0/19.2/12.4		22.8/17.6/12.4		
	Heating	High/Nom./Low		m ³ /min	15.0/12.1/9.1	22.8/17.6/12.4	26.0/19.2/12.4		22.8/17.6/12.4		
Sound power level	Cooling	High		dBA	51	54	58		54	58	
	Heating	High		dBA	51	54	58		54	58	
Sound pressure level	Cooling	High/Nom./Low		dBA	33/31/28	37/33/29	41/35/29		37/33/29	41/35/29	
	Heating	High/Nom./Low		dBA	33/31/28	37/33/29	41/35/29		37/33/29	41/35/29	
Piping connections	Liquid	OD		mm	9.52			9.52			
	Gas	OD		mm	15.9			15.9			
	Drain	OD		mm	-			-			
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240			1~ / 50 / 220-240			

(1) Energy label: scale from A (most efficient) to G (less efficient) (2) Annual energy consumption: based on average use of 500 running hours per year at full load (nominal conditions) (3) Cooling: indoor temp. 27°CDB, 19°CWB; outdoor temp. 35°CDB; equivalent piping length: 5m; level difference: 0m (4) Heating: indoor temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB; equivalent refrigerant piping: 5m; level difference: 0m (5) Annual energy consumption is according to Energy labeling directive 2002/31/EC (6) SEER and SCOP are according to EN 14825 (6) The sound power level is an absolute value indicating the power which a sound source generates. (8) 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.

OUTDOOR UNIT				RZQSG71LV1	RZQSG100LV1	RZQSG125LV1	RZQSG140LV1	RZQSG100LY1	RZQSG125LY1	RZQSG140LY1	
Dimensions	Unit	HeightxWidthxDepth		mm	770x900x320	990x940x320		1,430x940x320	990x940x320		1,430x940x320
Weight	Unit			kg	67	81		102	82		101
Fan	Air flow rate	Cooling	Nom.	m ³ /min	52	76	77	83	76	77	83
		Heating	Nom.	m ³ /min	48	83		62	83		62
Sound power level	Cooling	Nom.		dBA	65	69	70	69	69	70	69
Sound pressure level	Cooling	Nom./Silent operation		dBA	49/47	53/49	54/49	53/49	53	54	53
	Heating	Nom.		dBA	51	57	58	54	57	58	54
Compressor	Type				Hermetically sealed swing compressor			Hermetically sealed swing compressor			
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-5.0~46			-5.0~46.0			
	Heating	Ambient	Min.~Max.	°CWB	-15~15.5			-15.0~15.5			
Refrigerant	Type				R-410A			R-410A			
Piping connections	Liquid	OD		mm	9.52			9.52			
	Gas	OD		mm	15.9			15.9			
	Drain	OD		mm	26			26			
	Additional refrigerant charge			kg/m	See installation manual 4P/W72042-1	See installation manual 4P302555-1			See installation manual 4P302555-1		
Level difference	IU - OU	Max.		m	15	30.0			30.0		
	IU - IU	Max.		m	0.5			0.5			
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240			3N~ / 50 / 380-415			

(1) PED: assembly = category 1: excluded from scope of PED due to article 1, item 3.6 of 97/23/EC (2) Equipment complying with EN/IEC 61000-3-12: European/international technical standard setting the limits for harmonic currents produced by equipment connected to public low-voltage system with input current > 16A and ≤ 75A per phase



INDOOR UNIT				FCQHG71F	FCQHG100F	FCQHG125F	FCQHG140F	FCQHG100F	FCQHG125F	FCQHG140F		
Cooling capacity	Nom.			kW	6.8 ³	9.5 ³	12.0 ³	13.4 ³	9.5 ³	12.0 ³	13.4 ³	
Heating capacity	Nom.			kW	7.5 ⁴	10.8 ⁴	13.5 ⁴	15.5 ⁴	10.8 ⁴	13.5 ⁴	15.5 ⁴	
Power input	Cooling	Nom.		kW	1.66	2.15	3.00	4.00	2.15	3.00	4.00	
	Heating	Nom.		kW	1.56	2.16	3.07	3.77	2.16	3.07	3.77	
EER					4.09	4.42	4.00	3.35	4.42	4.00	3.35	
COP					4.80	4.99	4.40	4.12	4.99	4.40	4.12	
SEER					6.11 ⁶	6.21 ⁶	6.00 ⁶	-	6.21 ⁶	6.00 ⁶	-	
SCOP					4.18 ⁶	4.30 ⁶	3.89 ⁶	-	4.30 ⁶	3.89 ⁶	-	
Annual energy consumption				kWh	830	1,075	1,500	2,000	1,075	1,500	2,000	
Energy label	Cooling/Heating				A/A				A/A			
Casing	Material				Galvanised steel plate				Galvanised steel plate			
Dimensions	Unit	HeightxWidthxDepth		mm	288x840x840				288x840x840			
Weight	Unit			kg	25	26		26				
Standard decoration panel	Model				BYCQ140D7W1				BYCQ140D7W1			
	Colour				Pure White (RAL 9010)				Pure White (RAL 9010)			
	Dimensions	HeightxWidthxDepth		mm	60x950x950				60x950x950			
	Weight			kg	5.4				5.4			
White decoration panel	Model				BYCQ140D7W1W				BYCQ140D7W1W			
	Colour				Pure White (RAL 9010)				Pure White (RAL 9010)			
	Dimensions	HeightxWidthxDepth		mm	60x950x950				60x950x950			
	Weight			kg	5.4				5.4			
Auto-cleaning decoration panel	Model				BYCQ140D7GW1				BYCQ140D7GW1			
	Colour				Pure White (RAL 9010)				Pure White (RAL 9010)			
	Dimensions	HeightxWidthxDepth		mm	145x950x950				145x950x950			
	Weight			kg	10		10.3		10		10.3	
Fan - Air flow rate	Cooling	High/Nom./Low		m ³ /min	21.2/16.7/12.2	32.3/25.7/19.0	33.5/26.7/19.9	33.5/27.3/21.1	32.3/25.7/19.0	33.5/26.7/19.9	33.5/27.3/21.1	
	Heating	High/Nom./Low		m ³ /min	21.2/16.7/12.2	32.3/25.7/19.0	33.5/26.7/19.9	33.5/27.3/21.1	32.3/25.7/19.0	33.5/26.7/19.9	33.5/27.3/21.1	
Sound power level	Cooling	High		dBA	53		61		61			
	Heating	High		dBA	53		61		61			
Sound pressure level	Cooling	High/Nom./Low		dBA	36/33/29	44/39/33	45/40/35	45/41/37	44/39/33	45/40/35	45/41/37	
	Heating	High/Nom./Low		dBA	36/33/29	44/39/33	45/40/35	45/41/37	44/39/33	45/40/35	45/41/37	
Piping connections	Liquid	OD		mm	9.52				9.52			
	Gas	OD		mm	15.9				15.9			
	Drain	OD		mm	-				-			
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240				1~ / 50 / 220-240			

(1) Energy label: scale from A (most efficient) to G (less efficient) (2) Annual energy consumption: based on average use of 500 running hours per year at full load (nominal conditions) (3) Cooling: indoor temp. 27°CDB, 19°CWB; outdoor temp. 35°CDB; equivalent piping length: 5m; level difference: 0m (4) Heating: indoor temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB; equivalent refrigerant piping: 5m; level difference: 0m (5) Annual energy consumption is according to Energy labeling directive 2002/31/EC (6) SEER and SCOP are according to EN 14825 (7) The sound power level is an absolute value indicating the power which a sound source generates. (8) 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.

OUTDOOR UNIT				RZQG71LV1	RZQG100LV1	RZQG125LV1	RZQG140LV1	RZQG100LY1	RZQG125LY1	RZQG140LY1	
Dimensions	Unit	HeightxWidthxDepth		mm	990x940x320	1,430x940x320		1,430x940x320			
Weight	Unit			kg	78	102		101			
Fan	Air flow rate	Cooling	Nom.	m ³ /min	59	70		70		84	
		Heating	Nom.	m ³ /min	49	62		62		84	
Sound power level	Cooling	Nom.		dBA	64	66	67	69	66	67	69
Sound pressure level	Cooling	Nom.		dBA	48	50	51	52	50	51	52
	Heating	Nom.		dBA	50	52	53		52	53	
	Night quiet mode	Level 1		dBA	43	45		45			
Compressor	Type			Hermetically sealed swing compressor				Hermetically sealed swing compressor			
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-15.0~50.0				-15.0~50.0		
	Heating	Ambient	Min.~Max.	°CWB	-20.0~15.5				-20.0~15.5		
Refrigerant	Type			R-410A				R-410A			
Piping connections	Liquid	OD		mm	9.52				9.52		
	Gas	OD		mm	15.9				15.9		
	Drain	OD		mm	26				26		
	Additional refrigerant charge			kg/m	See installation manual 4P302555-1				See installation manual 4P302555-1		
Level difference	IU - OU	Max.		m	30.0				30.0		
	IU - IU	Max.		m	0.5				0.5		
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240				3N~ / 50 / 380-415		

(1) PED: assembly = category I : excluded from scope of PED due to article 1, item 3.6 of 97/23/EC (2) with re-charging (3) Equipment complying with EN/IEC 61000-3-12: European/international technical standard setting the limits for harmonic currents produced by equipment connected to public low-voltage system with input current > 16A and ≤ 75A per phase



RZQSG-LV1/LY1



RZQG-L7V1/LY1

INDOOR UNIT				FCQHG71F	FCQHG100F	FCQHG125F	FCQHG140F	FCQHG100F	FCQHG125F	FCQHG140F		
Cooling capacity	Nom.			kW	6.8 ³	9.5 ³	12.0 ³	13.4 ³	9.5 ³	12.0 ³	13.4 ³	
Heating capacity	Nom.			kW	7.5 ⁴	10.8 ⁴	13.5 ⁴	15.5 ⁴	10.8 ⁴	13.5 ⁴	15.5 ⁴	
Power input	Cooling	Nom.		kW	2.12	2.57	3.71	4.17	2.57	3.71	4.17	
	Heating	Nom.		kW	2.08	2.51	3.60	4.29	2.51	3.60	4.29	
EER					3.21	3.70	3.23	3.21	3.70	3.23	3.21	
COP					3.61	4.30	3.75	3.61	4.30	3.75	3.61	
SEER					5.11	5.70 ⁵	5.21 ⁵	-	5.70 ⁵	5.21 ⁵	-	
SCOP					3.81	3.91 ⁵	3.81 ⁵	-	3.91 ⁵	3.81 ⁵	-	
Annual energy consumption				kWh	1,059	1,285	1,855	2,085	1,285	1,855	2,085	
Energy label	Cooling/Heating				A/A				A/A			
Casing	Material				Galvanised steel plate				Galvanised steel plate			
Dimensions	Unit	HeightxWidthxDepth		mm	288x840x840				288x840x840			
Weight	Unit			kg	25	26		26				
Standard decoration panel	Model				BYCQ140D7W1				BYCQ140D7W1			
	Colour				Pure White (RAL 9010)				Pure White (RAL 9010)			
	Dimensions	HeightxWidthxDepth		mm	60x950x950				60x950x950			
	Weight			kg	5.4				5.4			
White decoration panel	Model				BYCQ140D7W1W				BYCQ140D7W1W			
	Colour				Pure White (RAL 9010)				Pure White (RAL 9010)			
	Dimensions	HeightxWidthxDepth		mm	60x950x950				60x950x950			
	Weight			kg	5.4				5.4			
Auto-cleaning decoration panel	Model				BYCQ140D7GW1				BYCQ140D7GW1			
	Colour				Pure White (RAL 9010)				Pure White (RAL 9010)			
	Dimensions	HeightxWidthxDepth		mm	145x950x950				145x950x950			
	Weight			kg	10		10.3		10		10.3	
Fan - Air flow rate	Cooling	High/Nom./Low		m ³ /min	21.2/16.7/12.2	32.3/25.7/19.0	33.5/26.7/19.9	33.5/27.3/21.1	32.3/25.7/19.0	33.5/26.7/19.9	33.5/27.3/21.1	
	Heating	High/Nom./Low		m ³ /min	21.2/16.7/12.2	32.3/25.7/19.0	33.5/26.7/19.9	33.5/27.3/21.1	32.3/25.7/19.0	33.5/26.7/19.9	33.5/27.3/21.1	
Sound power level	Cooling	High		dB(A)	53	61		61				
	Heating	High		dB(A)	53	61		61				
Sound pressure level	Cooling	High/Nom./Low		dB(A)	36/33/29	44/39/33	45/40/35	45/41/37	44/39/33	45/40/35	45/41/37	
	Heating	High/Nom./Low		dB(A)	36/33/29	44/39/33	45/40/35	45/41/37	44/39/33	45/40/35	45/41/37	
Piping connections	Liquid	OD		mm	9.52				9.52			
	Gas	OD		mm	15.9				15.9			
	Drain	OD		mm	-				-			
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240				1~ / 50 / 220-240			

(1) Energy label: scale from A (most efficient) to G (less efficient) (2) Annual energy consumption: based on average use of 500 running hours per year at full load (nominal conditions) (3) Cooling: indoor temp. 27°CDB, 19°CWB; outdoor temp. 35°CDB; equivalent piping length: 5m; level difference: 0m (4) Heating: indoor temp. 20°CDB; outdoor temp. 7°CDB, 6°CWB; equivalent refrigerant piping: 5m; level difference: 0m (5) Annual energy consumption is according to Energy labeling directive 2002/31/EC (6) SEER and SCOP are according to EN 14825 (7) The sound power level is an absolute value indicating the power which a sound source generates. (8) 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.

OUTDOOR UNIT				RZQSG71LV1	RZQSG100LV1	RZQSG125LV1	RZQSG140LV1	RZQSG100LV1	RZQSG125LV1	RZQSG140LV1		
Dimensions	Unit	HeightxWidthxDepth		mm	770x900x320	990x940x320		1,430x940x320		990x940x320	1,430x940x320	
Weight	Unit			kg	67	81		102		82	101	
Fan	Air flow rate	Cooling	Nom.	m ³ /min	52	76	77	83	76	77	83	
		Heating	Nom.	m ³ /min	48	83		62	83		62	
Sound power level	Cooling	Nom.		dB(A)	65	69	70	69	69	70	69	
Sound pressure level	Cooling	Nom./Silent operation		dB(A)	49/47	53/49	54/49	53/49	53/-	54/-	53/-	
	Heating	Nom.		dB(A)	51	57	58	54	57	58	54	
	Night quiet mode	Level 1		dB(A)	Hermetically sealed swing compressor				49			
Compressor	Type				-5.0~46	-5.0~46.0		Hermetically sealed swing compressor				
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-15~15.5	-15.0~15.5		-5.0~46.0				
	Heating	Ambient	Min.~Max.	°CWB	R-410A		-15.0~15.5					
Refrigerant	Type				9.52		R-410A					
Piping connections	Liquid	OD		mm	15.9		9.52					
	Gas	OD		mm	26		15.9					
	Drain	OD		mm	See installation manual 4PW72942-1	See installation manual 4P302555-1				26		
	Additional refrigerant charge			kg/m	15	30.0		See installation manual 4P302555-1				
Level difference	IU - OU	Max.		m	0.5		30.0					
	IU - IU	Max.		m	1~ / 50 / 220-240		0.5					
Power supply	Phase / Frequency / Voltage			Hz / V	1~ / 50 / 220-240				3N~ / 50 / 380-415			

(1) PED: assembly = category I: excluded from scope of PED due to article 1, item 3.6 of 97/23/EC (2) See separate drawing for electrical data (3) Equipment complying with EN/IEC 61000-3-12: European/international technical standard setting the limits for harmonic currents produced by equipment connected to public low-voltage system with input current > 16A and ≤ 75A per phase



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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