



Air conditioners

# Heating & Cooling

**SkyAir**

- » Seasonal efficiency, optimized for all seasons
- » Installation possible in new and existing buildings
- » Ideal for use in large areas
- » Designed for high ceilings
- » Easy installation in corners and narrow spaces

Ceiling Suspended Unit



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FHQ-B8, FHQG-C



Inverter

Outdoor unit  
silent  
operationAuto cooling-  
heating  
changeoverFan speed:  
2 steps

Dry programme



Air filter



Weekly timer

Wired remote  
control

optional



Auto-restart

Self-  
diagnosisDrain pump  
kitTwin/triple/  
double twin  
applicationMulti  
model  
applicationVRV for  
residential  
application

# Heating & Cooling

INDOOR UNIT				FHQG71C	FHQG100C	FHQG125C	FHQG140C	FHQG71C	FHQG100C	FHQG125C	FHQG140C	
Cooling capacity	nom.			kW	6.8 <sup>3</sup>	9.5 <sup>3</sup>	12.0 <sup>3</sup>	13.4 <sup>3</sup>	6.8 <sup>3</sup>	9.5 <sup>3</sup>	12.0 <sup>3</sup>	13.4 <sup>3</sup>
Heating capacity	nom.			kW	7.5 <sup>4</sup>	10.8 <sup>4</sup>	13.5 <sup>4</sup>	15.5 <sup>4</sup>	7.5 <sup>4</sup>	10.8 <sup>4</sup>	13.5 <sup>4</sup>	15.5 <sup>4</sup>
Power input	cooling	nom.		kW	1.78	2.49	3.58	4.05	1.78	2.49	3.58	4.05
	heating	nom.		kW	1.82	2.60	3.48	4.27	1.82	2.60	3.48	4.27
EER					3.82	3.81	3.35	3.31	3.82	3.81	3.35	3.31
COP					4.13	4.15	3.89	3.63	4.13	4.15	3.89	3.63
SEER					5.65 <sup>6</sup>	5.69 <sup>6</sup>	5.11 <sup>6</sup>	-	5.65 <sup>6</sup>	5.69 <sup>6</sup>	5.11 <sup>6</sup>	-
SCOP					3.95 <sup>6</sup>	4.20 <sup>6</sup>	4.01 <sup>6</sup>	-	3.95 <sup>6</sup>	4.20 <sup>6</sup>	4.01 <sup>6</sup>	-
Annual energy consumption				kWh	890	1,245	1,790	2,025	890	1,245	1,790	2,025
Energy label	cooling/heating				A/A				A/A			
Casing	colour				Fresh White				Fresh White			
Dimensions	unit	heightxwidthxdepth		mm	235x1,270x690	235x1,590x690		235x1,270x690	235x1,590x690			
Weight	unit			kg	32	38		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	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	20.5/17/14	28/24/20	31/27/23	34/29/24
Sound power level	cooling	nom.		dB(A)	55	60	62	64	55	60	62	64
Sound pressure level	cooling	high/nom./low		dB(A)	38/36/34	42/38/34	44/41/37	46/42/38	38/36/34	42/38/34	44/41/37	46/42/38
	heating	high/nom./low		dB(A)	38/36/34	42/38/34	44/41/37	46/42/38	38/36/34	42/38/34	44/41/37	46/42/38
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) Related to 3D076919

OUTDOOR UNIT					RZQG71L7V1	RZQG100L7V1	RZQG125L7V1	RZQG140L7V1	RZQG71LY1	RZQG100LY1	RZQG125LY1	RZQG140LY1
Dimensions	unit	heightxwidthxdepth		mm	990x940x320	1,430x940x320			990x940x320	1,430x940x320		
Weight	unit			kg	78	102			80	101		
Fan	air flow rate	cooling	nom.	m <sup>3</sup> /min	59	70		84	59	70		84
		heating	nom.	m <sup>3</sup> /min	49	62			49	62		
Sound power level	cooling	nom.		dB(A)	64	66	67	69	64	66	67	69
Sound pressure level	cooling	nom.		dB(A)	48	50	51	52	48	50	51	52
	heating	nom.		dB(A)	50	52	53		50	52	53	
	night quiet mode	level 1		dB(A)	43	45			43	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) 3 with re-charging (3) See separate drawing for electrical data (4) 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 (5) Short-circuit power (6) See separate drawings for electrical data

# Heating & Cooling

INDOOR UNIT				FHQG71C	FHQG100C	FHQG125C	FHQG140C	FHQG100C	FHQG125C	FHQG140C		
Cooling capacity	nom.		kW	6.8 <sup>3</sup>	9.5 <sup>3</sup>	12.0 <sup>3</sup>	13.4 <sup>3</sup>	9.5 <sup>3</sup>	12.0 <sup>3</sup>	13.4 <sup>3</sup>		
Heating capacity	nom.		kW	7.5 <sup>4</sup>	10.8 <sup>4</sup>	13.5 <sup>4</sup>	15.5 <sup>4</sup>	10.8 <sup>4</sup>	13.5 <sup>4</sup>	15.5 <sup>4</sup>		
Power input	cooling	nom.	kW	1.97	2.96	4.15	4.45	2.96	4.15	4.45		
	heating	nom.	kW	1.88	2.99	3.73	4.54	2.99	3.73	4.54		
EER				3.46	3.21	2.89	3.01	3.21	2.89	3.01		
COP				4.00	3.61	3.62	3.41	3.61	3.62	3.41		
SEER				5.11 <sup>6</sup>	5.11 <sup>6</sup>	4.61 <sup>6</sup>	-	5.11 <sup>6</sup>	4.61 <sup>6</sup>	-		
SCOP				3.81 <sup>6</sup>	3.80 <sup>6</sup>	3.81 <sup>6</sup>	-	3.80 <sup>6</sup>	3.81 <sup>6</sup>	-		
Annual energy consumption	kWh			983	1,480	2,075	2,225	1,480	2,075	2,225		
Energy label	cooling/heating			A/A		C/A	B/B	A/A	C/A	B/B		
Casing	colour			Fresh White				Fresh White				
Dimensions	unit	heightxwidthxdepth		mm	235x1,270x690		235x1,590x690		235x1,590x690			
Weight	unit			kg	32		38		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	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	28/24/20	31/27/23	34/29/24	
Sound power level	cooling	nom.		dBA	55	60	62	64	60	62	64	
Sound pressure level	cooling	high/nom./low		dBA	38/36/34	42/38/34	44/41/37	46/42/38	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	42/38/34	44/41/37	46/42/38	
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) Related to 3D076919

OUTDOOR UNIT					RZQSG71LV1	RZQSG100LV1	RZQSG125LV1	RZQSG140LV1	RZQSG100LY1	RZQSG125LY1	RZQSG140LY1		
Dimensions	unit	heightxwidthxdepth		mm	770x900x320		990x940x320		1,430x940x320				
Weight	unit				kg		81		102		101		
Fan	air flow rate	cooling	nom.	m <sup>3</sup> /min	52	76	77	83	76	77	83		
		heating	nom.	m <sup>3</sup> /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		
	night quiet mode	level 1		dBA	-				49				
Compressor	type				Hermetically sealed swing compressor				Hermetically sealed swing compressor				
Operation range	cooling	ambient	min.~max.	°CDB	-5.0~46		-5.0~46.0		-5.0~46.0				
	heating	ambient	min.~max.	°CWB	-15~15.5		-15.0~15.5		-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 4PW72942-1	see installation manual 4P302555-1				See installation manual 4P302555-1		
level difference	IU - OU	max.		m	15				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) 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 (4) Short-circuit power (5) See separate drawings for electrical data



Indoor unit FHQG-C



Wired remote control BRC1E52A/B



Seasonal Smart RZQG-L7V1/LY1

# Heating & Cooling

INDOOR UNIT				FHQ35B8	FHQ50B8	FHQ60B8
Cooling capacity	min./nom./max.		kW	1.4/3.4 <sup>3</sup> /3.7	1.7/5.0 <sup>3</sup> /5.6	1.7/5.7 <sup>3</sup> /6.0
Heating capacity	min./nom./max.		kW	1.2/4.0 <sup>4</sup> /5.0	1.7/6.0 <sup>4</sup> /7.0	1.7/7.2 <sup>4</sup> /8.0
Power input	cooling	min./nom./max.		kW	0.440/1.830/2.020	0.440/2.150/2.230
	heating	min./nom./max.		kW	-/1.110/-	0.400/2.050/2.450
EER				3.24	2.73	2.65
COP				3.60	2.93	2.89
Annual energy consumption				kWh	525	915
Energy label	cooling/heating			A/B	D/D	D/D
Casing	colour			White		White
Dimensions	unit	heightxwidthxdepth	mm	195x960x680		195x1,160x680
Weight	unit		kg	24	25	27
Fan - Air flow rate	cooling	high/low		m <sup>3</sup> /min		13/10
	heating	high/low		m <sup>3</sup> /min		13/10
Sound power level	cooling	high/low		dBA		53/48
	heating	high/low		dBA		53/48
Sound pressure level	cooling	high/low		dBA		37/32
	heating	high/low		dBA		37/32
Piping connections	liquid	OD		mm		6.35
	gas	OD		mm		9.5
	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, 19.0°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

OUTDOOR UNIT				RXS35J	RXS50J	RXS60F	
Dimensions	unit	heightxwidthxdepth	mm	550x765x285	735x825x300	735x825x300	
Weight	unit		kg	34	48	48	
Fan	air flow rate	cooling	high	m <sup>3</sup> /min	36.0	50.9	50.9
			super low	m <sup>3</sup> /min	30.1	48.9	42.4
		heating	high	m <sup>3</sup> /min	28.3	45.0	46.3
			super low	m <sup>3</sup> /min	25.6	43.1	42.4
Sound power level	cooling	high		dBA		63	
Sound pressure level	cooling	high/silent operation		dBA		48/44	
	heating	high/silent operation		dBA		48/45	
Compressor	type		Hermetically sealed swing compressor			Hermetically sealed swing compressor	
Operation range	cooling	ambient	min.~max.	°CDB		-10~46	
	heating	ambient	min.~max.	°CWB		-15~18	
Refrigerant	type		R-410A			R-410A	
Piping connections	liquid	OD		mm		6.35	
	gas	OD		mm		9.5	
	additional refrigerant charge	level difference		IU - OU max.		kg/m	-
Power supply	phase / frequency / voltage		Hz / V	1~ / 50 / 220-240		1~ / 50 / 220-240	

SL: The silent fan level of the air flow rate setting



Indoor unit FHQ-B8



Wired remote control BRC1E52A/B



Outdoor unit RXS-J



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.



Daikin Europe N.V. participates in the Eurovent Certification programme for Air conditioners (AC), Liquid Chilling Packages (LCP), Fan coil units (FCU) and Air handling units (AHU). Check ongoing validity of certificate online: [www.eurovent-certification.com](http://www.eurovent-certification.com) or using: [www.certiflash.com](http://www.certiflash.com)

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