



Heating & Cooling



INDOOR UNIT			FCQHG71F	FCQHG100F	FCQHG125F	FCQHG140F	FCQHG100F	FCQHG125F	FCQHG140F	
Cooling capacity	Min./Nom./Max.	kW	-/6.8/-	-/9.5/-	-/12.0/-	-/13.4/-	-/9.5/-	-/12.0/-	-/13.4/-	
Heating capacity	Min./Nom./Max.	kW	-/7.5/-	-/10.8/-	-/13.5/-	-/15.5/-	-/10.8/-	-/13.5/-	-/15.5/-	
Seasonal efficiency (according to EN14825)	Cooling	Energy label	A++			A	-	A++	A	-
		Pdesign	kW	6.80	9.50	12.00	-	9.50	12.00	-
		SEER		6.50	6.70	5.40	-	6.70	5.40	-
	Heating (Average climate)	Annual energy consumption	kWh	366	496	777	-	496	777	-
		Energy label		A+			-	A+		
		Pdesign	kW	7.60	8.03		-	8.03		-
Nominal efficiency (cooling at 35°/27° nominal load, heating at 7°/20° nominal load)	EER		3.50	3.70	3.23	3.21	3.70	3.23	3.21	
	COP		4.10	4.30	3.75	3.61	4.30	3.75	3.61	
	Annual energy consumption	kWh	1,059	1,285	1,855	2,085	1,285	1,855	2,085	
Casing	Energy label	Cooling/Heating	A/A			-/-	A/A			
	Colour		-							
Dimensions	Unit	HeightxWidthxDepth	mm							
Weight	Unit		25				26			
Decoration panel 1	Model		BYCQ140D7W1 / BYCQ140D7W1W / BYCQ140D7GW1							
Decoration panel 2	Colour		Pure White (RAL 9010) / Pure White (RAL 9010) / Pure White (RAL 9010)							
Decoration panel 3	Dimensions	HeightxWidthxDepth	mm							
	Weight		kg							
Fan - Air flow rate	Cooling	High/Nom./Low	m³/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	m³/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		
	Heating	High	dBA	53				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						
	Gas	OD	mm	15.9						
Power supply	Phase / Frequency / Voltage	Hz / V	1~ / 50 / 220-240							

OUTDOOR UNIT			RZQSG71L3V1	RZQSG100L8V1	RZQSG125L8V1	RZQSG140L1V1	RZQSG100L8Y1	RZQSG125L8Y1	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.	m³/min	52	76	77	83	76	77
Sound power level	Heating	Nom.	m³/min	48	83		62	83		62
	Cooling	Nom.	dBA	65	69	70	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
Operation range	Night quiet mode	Level 1	dBA	-						
	Cooling	Ambient	Min.-Max.	°CDB		-5~46				
Refrigerant	Heating	Ambient	Min.-Max.	°CWB		-15~15.5				
	Type/GWP			R-410A/1,975						
Piping connections	Piping length	OU - IU	Max.	m	30					50
	System	Equivalent	m	40					70	
	Level difference	IU - OU	Max.	m	15					30.0
Power supply	IU - IU	Max.	m							
	Phase / Frequency / Voltage	Hz / V		1~ / 50 / 220-240				3N~ / 50 / 380-415		
Current - 50Hz	Maximum fuse amps (MFA)	A	20	32		20				

(1) EER/COP according to Eurovent 2012 (2) 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. (3) BYCQ140D7W1: pure white standard panel with grey louvers; BYCQ140D7W1W: pure white standard panel with white louvers; BYCQ140D7GW1: pure white auto cleaning panel.