

Concealed ceiling unit with medium ESP

Optimum comfort guaranteed no matter the length of duct work or type of grilles

- > Combination with Seasonal Smart ensures high quality, optimal comfort, flexible installation and highest efficiency values (see pg. 167)
- > Top efficiency in the market
- > Automatic air flow adjustment function measures the air volume and static pressure and adjusts it towards the nominal air flow, whatever the length of duct, making installation easier and guaranteeing comfort. Moreover, the ESP can be changed via the wired remote control to optimize the supply air volume
- > Compact unit, all units can easily be mounted in a ceiling void of only 285mm
- > Discretely concealed in the ceiling: only the suction and discharge grilles are visible
- > Low sound levels
- > Medium external static pressure up to 150Pa facilitates using flexible ducts of varying lengths
- > Reduced energy consumption thanks to specially developed DC fan motor
- > Flexible installation, as the air suction direction can be altered from rear to bottom suction
- > Standard built-in drain pump increases flexibility and installation speed
- > No optional adapter needed for DIII-connection, link your unit into the wider building management system.

Efficiency data			FBQ + RZQG	*71D + 71L9V1	*100D + 100L9V1	*125D + 125L9V1	*140D + 140L9V1	*71D + 71L8Y1	*100D + 100L8Y1	*125D + 125L8Y1	*140D + 140LY1
Cooling capacity	Nom.	kW		6.8	9.5	12.0	13.4	6.8	9.5	12.0	13.4
Heating capacity	Nom.	kW		7.5	10.8	13.5	15.5	7.5	10.8	13.5	15.5
Power input	Cooling	Nom.	kW	1.93	2.41	3.13	4.00	1.93	2.41	3.13	4.00
	Heating	Nom.	kW	1.89	2.55	3.52	4.29	1.89	2.55	3.52	4.29
Seasonal efficiency (according to EN14825)	Cooling	Energy label		A++	A+		-	A++	A+		-
		Pdesign	kW	6.80	9.50	12.00	-	6.80	9.50	12.00	-
		SEER		6.16	5.87	5.83	-	6.16	5.87	5.83	-
		Annual energy consumption	kWh	386	566	720	-	386	566	720	-
	Heating (Average climate)	Energy label		A+	A++	A+	-	A+	A++	A+	-
		Pdesign	kW	6.00	11.30	12.70	-	6.00	11.30	12.70	-
		SCOP		4.35	4.78	4.37	-	4.35	4.78	4.37	-
		Annual energy consumption	kWh	1,931	3,310	4,069	-	1,931	3,310	4,069	-
	Nominal efficiency	EER		3.53	3.94	3.83	3.35	3.53	3.94	3.83	3.35
		COP		3.96	4.24	3.83	3.61	3.96	4.24	3.83	3.61
Annual energy consumption		kWh	963	1,206	1,567	2,000	963	1,206	1,567	2,000	
Energy label		Cooling		A			-	A			-
	Heating		A			-	A			-	

Indoor unit			FBQ	*71D	*100D	*125D	*140D
Dimensions	Unit	HeightxWidthxDepth	mm	245x1,000x800		245x1,400x800	
Weight	Unit		kg	36.30		47	
Fan - Air flow rate	Cooling	High/Low	m³/min	18/12.50		29/23 / 34/25	
Fan - External static pressure	High/Nom./Maximum available/High		Pa	150/30/-		150/40/- / 150/50/-	
Sound power level	Cooling		dBA	57		61 / 66	
Sound pressure level	Cooling	High	dBA	37		38 / 40	
Power supply	Phase / Frequency / Voltage		Hz / V	1~ / 50/60 / 220-240			

Outdoor unit			RZQG	71L9V1	100L9V1	125L9V1	140L9V1	71L8Y1	100L8Y1	125L8Y1	140LY1	
Dimensions	Unit	HeightxWidthxDepth	mm	990x940x320		1,430x940x320		990x940x320		1,430x940x320		
Weight	Unit		kg	77		99		80		101		
Sound power level	Cooling		dBA	64		66 / 67		64		66 / 67 / 69		
Sound pressure level	Cooling	Nom.	dBA	48		50 / 51		48		50 / 51 / 52		
	Heating	Nom.	dBA	50		52 / 53		50		52 / 53		
	Night quiet mode	Level 1	dBA	43		45		43		45		
Operation range	Cooling	Ambient	Min.-Max.	°CDB		-15~50						
	Heating	Ambient	Min.-Max.	°CWB		-20~-15.5						
Refrigerant	Type/Charge/GWP		kg	R-410A / 2.9 / 2,087.5		R-410A / 4 / 2,087.5		R-410A / 2.9 / 2,087.5		R-410A / 4 / 2,087.5		
	Charge		TCO _{Eq}	6.1		8.4		6.1		8.4		
Piping connections	Liquid	OD	mm	9.52								
	Gas	OD	mm	15.9								
	Piping length	OU - IU	Max.	m	50		75		50		75	
		System	Equivalent	m	70		90		70		90	
			Chargeless	m	30							
			Additional refrigerant charge	kg/m	See installation manual							
Level difference	IU - OU	Max.	m	30.0								
	IU - IU	Max.	m	0.5								
Power supply	Phase / Frequency / Voltage		Hz / V	1~ / 50 / 220-240				3N~ / 50 / 380-415				
Current - 50Hz	Maximum fuse amps (MFA)		A	-				16		25		

*Note: blue cells contain preliminary data

(1) EER/COP according to Eurovent 2012, for use outside EU only (2) Nominal efficiency: cooling at 35°/27° nominal load, heating at 7°/20° nominal load