

# Concealed ceiling unit with medium ESP

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

- › Combination with split outdoor units is ideal for smaller applications such as retail or residential applications
- › 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
- › Slimmest unit in class, only 245mm
- › 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 + RXS	*35D + 35L3	*50D + 50L	*60D + 60L
Cooling capacity	Nom.		kW	3.40	-	-
Heating capacity	Nom.		kW	4.00	-	-
Power input	Cooling	Nom.	kW	1.060	-	-
	Heating	Nom.	kW	1.110	-	-
Seasonal efficiency (according to EN14825)	Cooling	Energy label		A+	-	-
		Pdesign	kW	3.4	-	-
		SEER		5.97	-	-
		Annual energy consumption	kWh	199	-	-
	Heating (Average climate)	Energy label		A+	-	-
		Pdesign	kW	2.9	-	-
		SCOP		3.93	-	-
		Annual energy consumption	kWh	1,033	-	-
Nominal efficiency	EER			3.21	-	-
	COP			3.60	-	-
	Annual energy consumption	kWh		530	-	-
	Energy label	Cooling		A	-	-
	Heating		B	-	-	

Indoor unit			FBQ	*35D	*50D	*60D
Dimensions	Unit	HeightxWidthxDepth	mm	245x700x800		245x1,000x800
Weight	Unit		kg	27.70		36.30
Fan - Air flow rate	Cooling	High/Low	m <sup>3</sup> /min	15/11		18/12.50
Fan - External static pressure	High/Nom.		Pa		150/30	
Sound power level	Cooling		dBA	60		57
Sound pressure level	Cooling	High	dBA		37	
Power supply	Phase / Frequency / Voltage		Hz / V	1~ / 50/60 / 220-240/220		1~ / 50/60 / 220-240

Outdoor unit			RXS	*35L3	50L	60L
Dimensions	Unit	HeightxWidthxDepth	mm	550x765x285	735x825x300	
Weight	Unit		kg	31.5	47	48
Sound power level	Cooling		dBA	61	62	
	Heating		dBA	61	62	
Sound pressure level	Cooling	High/Low	dBA	-/-	48/44	49/46
	Heating	High/Low	dBA	-/-	48/45	49/46
Operation range	Cooling	Ambient	Min.-Max. °CDB	-10~46	-10~46	
	Heating	Ambient	Min.-Max. °CWB	-15~18	-15~18	
Refrigerant	Type/Charge/GWP		kg	R-410A / - / 2,087.5	R-410A / 1.7 / 2,087.5	R-410A / 1.5 / 2,087.5
	Charge		TCO <sub>2</sub> Eq	-	3.5	3.1
Piping connections	Liquid	OD	mm	6.35	6.35	
	Gas	OD	mm	9.5	12.7	
	Piping length	OU - IU	Max. m	-	30	
	Additional refrigerant charge		kg/m	-	0.020 (for piping length exceeding 10m)	
	Level difference	IU - OU	Max. m	-	20.0	
Power supply	Phase / Frequency / Voltage		Hz / V	1~ / 50 / 220-240		1~ / 50 / 220-230-240
Current - 50Hz	Maximum fuse amps (MFA)		A	-	-	

\*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