

# Concealed ceiling unit with medium ESP

Slimmest yet most powerful medium static pressure unit on the market

- › Combination with Seasonal Smart ensures best in class quality, highest efficiency and performance
- › Slimmest unit in class, only 245mm (300mm built-in height) and therefore narrow ceiling voids are no longer a challenge
- › Low operation sound level down to 25dBA
- › Medium external static pressure up to 150Pa facilitates using flexible ducts of varying lengths
- › Unified indoor unit range for R-32 and R-410A
- › Possibility to change ESP via wired remote control allows optimisation of the supply air volume
- › Discretely concealed in the ceiling: only the suction and discharge grilles are visible

**NEW**

- › Multi zoning kit allows multiple individually-controlled climate zones to be served by one indoor unit
- › Reduced energy consumption thanks to specially developed DC fan motor
- › Optional fresh air intake



- › Flexible installation: air suction direction can be altered from rear to bottom suction and choice between free use or connection to optional suction grilles
- › Standard built-in drain pump with 625mm lift increases flexibility and installation speed

Efficiency data		FBA + RZQG	71A + 71L9V1	100A + 100L9V1	125A + 125L9V1	140A + 140L9V1	71A + 71L8Y1	100A + 100L8Y1	125A + 125L8Y1	140A + 140L8Y1	
Cooling capacity	Nom.	kW	6.8	9.5	12.0	13.4	6.8	9.5	12.0	13.4	
Heating capacity	Nom.	kW	7.50	10.80	13.50	15.5	7.50	10.80	13.50	15.5	
Power input	Cooling	Nom. kW	1.89	2.49	3.63	4.00	1.89	2.49	3.63	4.00	
	Heating	Nom. kW	1.87	2.45	3.46	4.31	1.87	2.45	3.46	4.31	
Seasonal efficiency (according to EN14825)	Cooling	Energy efficiency class	A++	A+	A++	-	A++	A+	A++	-	
		Pdesign	kW	6.80	9.50	12.00	-	6.80	9.50	12.00	-
		SEER		6.16	5.87	6.11	-	6.16	5.87	6.11	-
	Heating (Average climate)	Annual energy consumption	kWh	386	566	687	-	386	566	687	-
		Energy efficiency class		A+	A++	A+	-	A+	A++	A+	-
		Pdesign	kW	6.00	11.30	12.70	-	6.00	11.30	12.70	-
Nominal efficiency	EER	SCOP/A	4.31	4.78	4.28	-	4.31	4.78	4.28	-	
		Annual energy consumption	kWh	1,949	3,310	4,154	-	1,949	3,310	4,154	-
	COP	EER	3.60	3.81	3.31	3.35	3.60	3.81	3.31	3.35	
		Annual energy consumption	kWh	944	1,247	1,813	-	944	1,247	1,813	-
Energy labeling Directive	Cooling/Heating		A/A		-/-		A/A		-/-		

Indoor unit		FBA	71A	100A	125A	140A	71A	100A	125A	140A
Dimensions	Unit HeightxWidthxDp	mm	245x1,000x800		245x1,400x800		245x1,000x800		245x1,400x800	
Weight	Unit	kg	35.0		46.0		35.0		46.0	
Air filter	Type		Resin net							
Fan	Air flow rate	Cooling	Low/Medium/High	m <sup>3</sup> /min	125/15.0/18.0	23.0/26.0/29.0	23.5/29.0/34.0	125/15.0/18.0	23.0/26.0/29.0	23.5/29.0/34.0
		Heating	Low/Medium/High	m <sup>3</sup> /min	125/15.0/18.0	23.0/26.0/29.0	23.5/29.0/34.0	125/15.0/18.0	23.0/26.0/29.0	23.5/29.0/34.0
Sound power level	External static pressure	Nom./High	Pa		30/150	40/150	50/150	30/150	40/150	50/150
					dB(A)	56	58	62	56	58
Sound pressure level	Cooling	Low/High	dB(A)	25.0/30.0	30.0/34.0	32.0/37.0	25.0/30.0	30.0/34.0	32.0/37.0	
				Heating	Low/High	dB(A)	25.0/31.0	30.0/36.0	32.0/38.0	25.0/31.0
Control systems	Infrared remote control	BRC4C65 / BRC4C66								
	Wired remote control	BRC1H51 / BRC1E53A / BRC1E53B / BRC1E53C / BRC1D52								
Power supply	Phase/Frequency/Voltage	Hz/V	1~/50/60/220-240/220							

Outdoor unit		RZQG	71L9V1	100L9V1	125L9V1	140L9V1	71L8Y1	100L8Y1	125L8Y1	140L8Y1	
Dimensions	Unit HeightxWidthxDp	mm	990x940x320		1,430x940x320		990x940x320		1,430x940x320		
Weight	Unit	kg	69		95		80		101		
Sound power level	Cooling	Nom.	dB(A)	64	66	67	64	66	67	69	
				Heating	50	52	53	50	52	53	
Operation range	Cooling	Ambient	Min.~Max.	-15~50							
		Heating	Ambient	Min.~Max.	-20~15.5						
Refrigerant	Type/GWP	R-410A/2,087.5									
	Charge	kg/CO <sub>2</sub> Eq	2.9/6.1		4.0/8.4		2.9/6.1		4.0/8.4		
Piping connections	Liquid/Gas	mm	9.52/15.9								
	Piping length	OU - IU	Max.	m	50		75		50		75
		System	Equivalent	m	70		90		70		90
	Chargeless		m	30							
Additional refrigerant charge	Level difference	IU - OU	Max.	m	30.0						
	Phase/Frequency/Voltage	Hz/V	1~/50/220-240				3N~/50/380-415				
Current - 50Hz	Maximum fuse amps (MFA)	A	25		40		16		25		

MFA is used to select the circuit breaker and the ground fault circuit interrupter (earth leakage circuit breaker). For more detailed information on each combination, please refer to the electrical data drawing.