

INDUSTRIAL TYPE AIR CONDITIONER

AIR CONDITIONING

Slimmest yet most powerful medium static pressure unit on the market



- › 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
- › 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

- › Multi zoning kit allows multiple individually-controlled climate zones to be served by one indoor unit
- › 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			ELKTRZ + RZAG																					
			35A9 + 35A50A9 + 50A			60A9 + 60A		71A9 + 71NV1		100A + 100NV1		125A + 125NV1		140A + 140NV1		71A9 + 71NY1		100A + 100NY1		125A + 125NY1		140A + 140NY1		
Cooling capacity	Min./Nom./Max.	kW	1.6 / 3.5 / 5.0	1.7 / 5.0 / 6.0	1.7 / 6.0 / 7.0	- / 6.80 / -	- / 9.50 / -	- / 12.1 / -	- / 13.4 / -	- / 6.80 / -	- / 9.50 / -	- / 12.1 / -	- / 13.4 / -	- / 6.80 / -	- / 9.50 / -	- / 12.1 / -	- / 13.4 / -	- / 6.80 / -	- / 9.50 / -	- / 12.1 / -	- / 13.4 / -	- / 6.80 / -	- / 9.50 / -	
Heating capacity	Min./Nom./Max.	kW	1.40 / 4.00 / 5.00	1.70 / 6.00 / 6.00	1.70 / 7.00 / 7.50	- / 7.50 / -	- / 10.8 / -	- / 13.5 / -	- / 15.5 / -	- / 7.50 / -	- / 10.8 / -	- / 13.5 / -	- / 15.5 / -	- / 7.50 / -	- / 10.8 / -	- / 13.5 / -	- / 15.5 / -	- / 7.50 / -	- / 10.8 / -	- / 13.5 / -	- / 15.5 / -	- / 7.50 / -	- / 10.8 / -	
Space cooling	Energy efficiency class		A++																					
	Capacity	Pdesign	kW	3.50	5.00	6.00	6.80	9.50	12.1	13.4	6.80	9.50	12.1	13.4	6.80	9.50	12.1	13.4	6.80	9.50	12.1	13.4	6.80	9.50
	SEER			6.12	6.30	6.15	6.50	6.47	6.56	6.42	6.50	6.47	6.56	6.42	6.50	6.47	6.56	6.42	6.50	6.47	6.56	6.42	6.50	6.47
	ηs,c		%	-																				
	Annual energy consumption		kWh/a	200	278	341	366	514	1,107	1,252	366	514	1,107	1,252	366	514	1,107	1,252	366	514	1,107	1,252	366	514
Space heating (Average climate)	Energy efficiency class		A+																					
	Capacity	Pdesign	kW	4.20	4.30	4.50	4.70	7.80	9.52		4.70	7.80	9.52		4.70	7.80	9.52		4.70	7.80	9.52		4.70	7.80
	SCOP/A			4.10		4.20	4.36	4.37	4.34	4.20	4.36	4.37	4.34	4.20	4.36	4.37	4.34	4.20	4.36	4.37	4.34	4.20	4.36	4.37
	ηs,h		%	-																				
	Annual energy consumption		kWh/a	1,434	1,469	1,537	1,566	2,505	3,050	3,070	1,566	2,505	3,050	3,070	1,566	2,505	3,050	3,070	1,566	2,505	3,050	3,070	1,566	2,505
Indoor unit			FBA	35A9	50A9	60A9	71A9	100A	125A	140A	71A9	100A	125A	140A										
Dimensions	Unit	HeightxWidthxDpeth	mm	245x700x800			245x1,000x800		245x1,400x800			245x1,000x800		245x1,400x800										
Weight	Unit		kg	28.0			35.0		46.0			35.0		46.0										
Air filter	Type		Resin net																					
Fan	Air flow rate	Cooling	Low/Medium/High	10.5/12.5/15.0			12.5/15.0/18.0		23.0/26.0/29.0		23.5/29.0/34.0		12.5/15.0/18.0		23.0/26.0/29.0		23.5/29.0/34.0		23.5/29.0/34.0					
	External static pressure	Heating	Low/Medium/High	10.5/12.5/15.0			12.5/15.0/18.0		23.0/26.0/29.0		23.5/29.0/34.0		12.5/15.0/18.0		23.0/26.0/29.0		23.5/29.0/34.0		23.5/29.0/34.0					
Sound power level	Cooling		dBa	60.0			56.0		58.0		62.0		56.0		58.0		62.0		62.0					
	Heating	Low/Medium/High	dBa	29.0/32.0/35.0			25.0/28.0/30.0		30.0/32.0/34.0		32.0/35.0/37.0		25.0/28.0/30.0		30.0/32.0/34.0		32.0/35.0/37.0		32.0/35.0/37.0					
Sound pressure level	Heating	Low/Medium/High	dBa	29.0/34.0/37.0			25.0/28.0/31.0		30.0/33.0/36.0		32.0/35.0/38.0		25.0/28.0/31.0		30.0/33.0/36.0		32.0/35.0/38.0		32.0/35.0/38.0					
	Control systems	Infrared remote control		BRC4C65 / BRC4C66																				
	Wired remote control		BRC1H52W/S/K / BRC1E53A / BRC1E53B / BRC1E53C / BRC1D52																					
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/60/220-240/220																				
Outdoor unit			RZAG	35A	50A	60A	71NV1	100NV1	125NV1	140NV1	71NY1	100NY1	125NY1	140NY1										
Dimensions	Unit	HeightxWidthxDpeth	mm	734 x 870 x 373			870 x 1,100 x 460																	
Weight	Unit		kg	52			81	85	95			81	85	94										
Sound power level	Cooling		dBa	62.0	63.0	64.0	64	66	69	70	64	66	69	70	64	66	69	70	64	66	69	70	64	66
	Heating		dBa	62.0	63.0	64.0	-	-	68	71	-	-	68	71	-	-	68	71	-	-	68	71	-	-
Sound pressure level	Cooling	Nom.	dBa	48.0	49.0	50.0	46	47	49	50	46	47	49	50	46	47	49	50	46	47	49	50	46	47
	Heating	Nom.	dBa	48.0	49.0	50.0	48	50	52	52	48	50	52	52	48	50	52	52	48	50	52	52	48	50
Operation range	Cooling	Ambient	Min.~Max.	-20~52									-20 ~52											
	Heating	Ambient	Min.~Max.	-20~24									-20 ~18											
Refrigerant	Type/GWP			R-32/675.0																				
	Charge		kg/TCO2Eq	1.55/1.05			3.20/2.16		3.70/2.50		3.20/2.16		3.70/2.50											
Piping connections	Liquid/Gas OD		mm	6.35/9.50		6.35/12.7		9.52/15.9																
	Piping length	OU - IU	Max.	50			55	55	85			55	55	85										
		System	Equivalent	m	-			75	75	100			75	75	100									
		Chargeless	m	30			40																	
		Additional refrigerant charge	kg/m	0.02 (for piping length exceeding 30m)																				
	Level difference	IU - OU	Max.	30.0			30																	
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50 / 220-240						3~/50 / 380-415														
Current - 50Hz	Maximum fuse amps (MFA)		A	-			20		32		16													

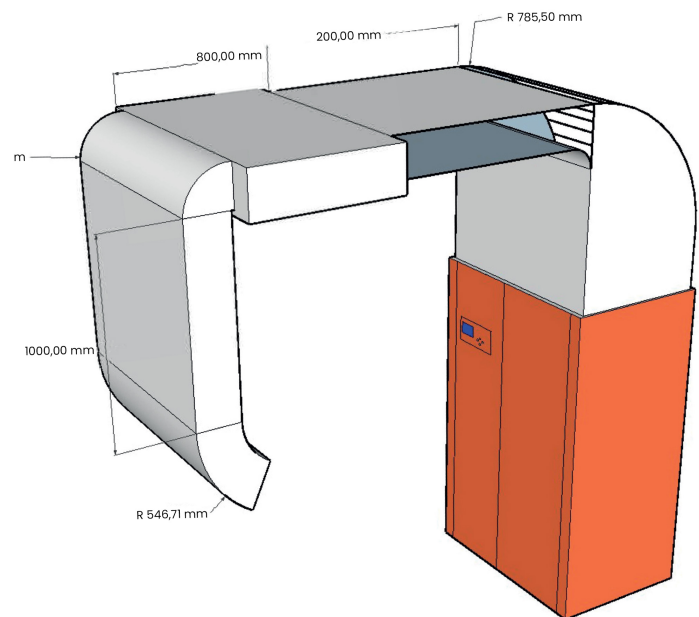
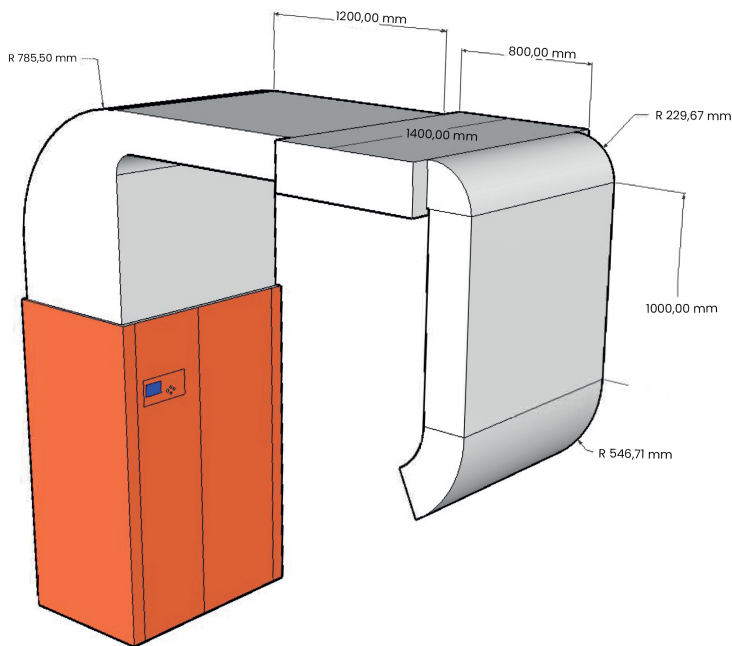
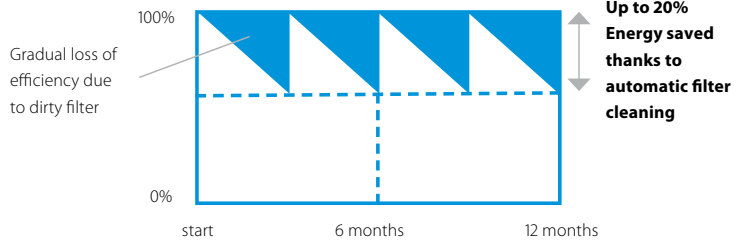
Contains fluorinated greenhouse gases

The unique automatic cleaning filter achieves higher efficiency and comfort with lower maintenance costs

Reduce running costs

› Automatic filter cleaning ensures low maintenance costs because the filter is always clean

Efficiency profile change for duct indoor unit during operation



Multi zoning kit for concealed ceiling units

The multi-zoning system is a room-by-room controller. It is fitted with motorised dampers, which immediately adapt using **Elektroiz** ducted solutions. This system supports control of up to 8 zones via a centralised thermostat located in the main room and individual thermostats for each of the zones.

Benefits

Increased comfort

- › Increases comfort levels by allowing more individual zone control
 - Up to 8 individual zones can be served thanks to separate modulating dampers
 - Individual thermostat for room-by-room or zone-by-zone control

Easy to install

- › Automatic air flow adjustment according to the demand
- › Easy to install, integrates with the **Elektroiz** indoor units and system controls
- › Time saving as plenum comes fully pre-assembled with dampers, and control boards
- › Reduces the amount of refrigerant required in the installation

