

Low height large Sky Air Advance-series

RZA-D / FDA-A



BLUEEVOLUTION

R-32

INVERTER



Large Sky Air system for commercial applications in the most compact casing ever



Replacement technology



Pair, twin, triple, double twin application

- › Unique, low-height single fan portfolio
- › 20 and 25 kW capacity
- › High efficiency: SEER up to 6.25
- › Lower environmental impact thanks to R-32 refrigerant
- › Guaranteed operation in both cooling and heating down to -20 °C

- › Reliable in operation thanks to refrigerant cooled PCB
- › Very long piping lengths up to 100 m
- › Market-leading serviceability and handling
 - Easy access to all components
 - 7-segment display

Achieving the lowest Environmental impact



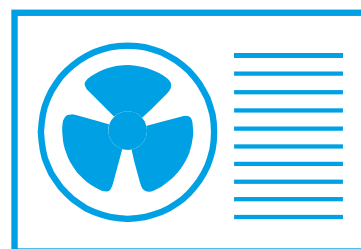
Unique, low-height single fan range



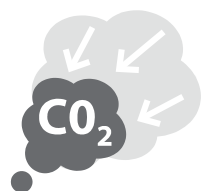
Europe's first light commercial system using R-32 refrigerant

- › R-32 Global Warming Potential (GWP) is 68% lower than the industry standard R-410A
- › High efficiency (**SEER up to 6.25**)
- › Does not require yearly refrigerant containment checks, which reduces maintenance costs
- › 16% less refrigerant charge

R-32



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App Control

- › Control your device at anytime from anywhere
- › Intuitive
- › Via smartphone, tablet or cloud

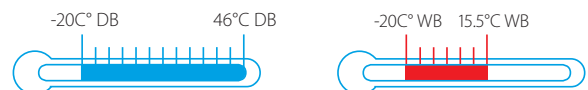


Very long piping length up to 100m



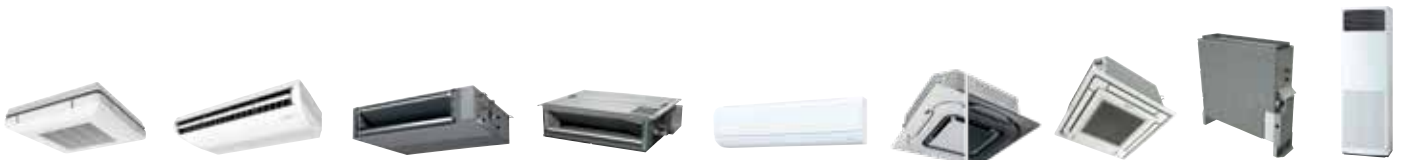
Wide operation range

- › Cooling operation from -20°C to +46°C
- › Heating operation down to -20°C



Full indoor unit line up available in R-32

- › Over 45 different indoor unit models



The New *SkyAir* Advance-series

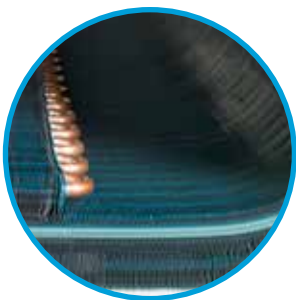


Newly positioned handle
for easier handling



New and bigger fan design

- › Ensures high air volume with low air velocity
- › Reduces sound emissions



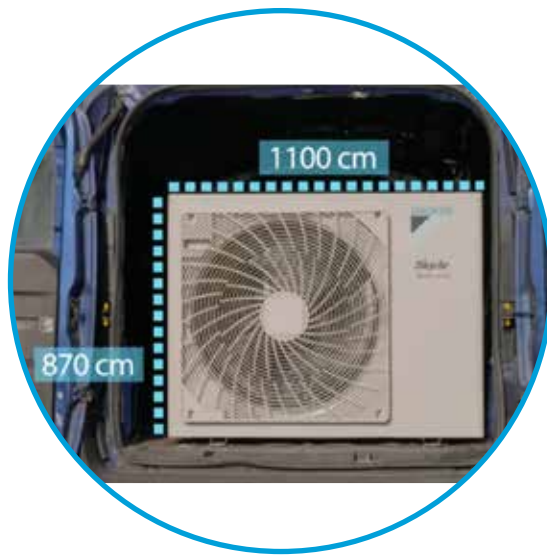
3-row heat exchanger

- › Unique 3-row heat exchanger to allow compact casing up to 14kW



Compact dimensions

- › Easy to transport thanks to compact, single-fan design



Refrigerant cooled PCB

Market-leading serviceability and handling




Swing compressor optimised for seasonal efficiency



Sky Air Advance-series

Large Sky Air system for commercial applications in the most compact casing ever

- › Compact (870mm high) and lightweight single fan design makes the unit unobtrusive, saves space and is easy to install
- › Marketing-leading serviceability and handling thanks to wide access area, 7-segment display and additional handle
- › Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A, leads directly to lower energy consumption thanks to its high energy efficiency and has a lower refrigerant charge
- › Replace existing systems with R-32 technology without needing to replace the piping 
- › Guarantees operation in heating mode down to -20°C
- › Refrigerant cooled PCB guarantees reliable cooling, as it is not influenced by ambient temperature
- › Maximum piping length up to 100m
- › Maximum installation height difference up to 30m
- › Outdoor units for pair, twin, triple, double twin application



RZA-D

Comfort cooling combination table

capacity class	FCAG-B					FFA-A9		FDXM-F9		FBA-A(9)					FHA-A(9)					FDA-A			FUA-A			FAA-A		FNA-A9	
	50	60	71	100	125	50	60	50	60	50	60	71	100	125	50	60	71	100	125	125	200	250	71	100	125	71	100	50	60
RZA200A	4	3	3	2		4	3	4	3	4	3	3	2		4	3	3	2			P		3	2		3	2	4	3
RZA250A		4			2		4		4		4			4					2	2		P			2				

Specifications RZA-D

Outdoor unit				RZA200D		RZA250D	
Dimensions	Unit	HeightxWidthxDepth	mm	870x1,100x460			
Weight	Unit		kg	120			
Sound power level	Cooling		dBA	73		76	
	Heating		dBA	76		79	
Sound pressure level	Cooling	Nom.	dBA	53		57	
	Heating	Nom.	dBA	60		63	
Operation range	Cooling	Ambient	Min.~Max.	°CDB -20~46			
	Heating	Ambient	Min.~Max.	°CWB -20~15			
Refrigerant	Type/GWP			R-32/675			
	Charge		kg/TCO ₂ Eq	5.0/3.38			
Piping connections	Liquid/Gas	OD	mm	9.52/22.2			
	Piping length	OU - IU	Max.	100			
			Chargeless	m	30		
		Additional refrigerant charge	kg/m	See installation manual			
	Level difference	IU - OU	Max.	30			
Power supply	Phase/Frequency/Voltage		Hz/V	3~/50/380-415			
Current - 50Hz	Maximum fuse amps (MFA)		A	25			

(1) 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.

Concealed ceiling unit with high ESP

ESP up to 250 Pa, ideal for large sized spaces

- › High external static pressure up to 250 Pa facilitates extensive duct and grille network
- › Possibility to change ESP via wired remote control allows optimisation of the supply air volume
- › Discretely concealed in the wall: only the suction and discharge grilles are visible
- › Optional drain pump
- › Standard supplied suction filter simplifies installation
- › Up to 27.6kW in heating mode



Set				FDA200A / RZA200D		FDA250A / RZA250D	
Cooling capacity	Nom.		kW	19.0		22.0	
Heating capacity	Nom.		kW	22.4		24.0	
Space cooling	Capacity	Pdesign	kW	19.0		22.0	
	SEER			6.25		5.37	
	ηs,c		%	247		211.8	
	Annual energy consumption		kWh/a	1,824		2,458	
Space heating (Average climate)	Capacity	Pdesign	kW	11.2		12.1	
	SCOP			3.59		3.58	
	ηs,h		%	140.6		140.2	
	Annual energy consumption		kWh/a	4,368		4,732	
Indoor unit				FDA	200A	250A	
Cooling capacity	Total capacity	Nom.	kW	19		22	
Heating capacity	Total capacity	Nom.	kW	22.4		24	
Power input - 50Hz	Cooling	Nom.	kW	0.32		0.4	
	Heating	Nom.	kW	0.32		0.4	
Dimensions	Unit	HeightxWidthxDepth		470x1,490x1,100			
Weight	Unit			104		115	
Casing	Material						
Fan	Air flow rate	Cooling	Low/High	m³/min	36 / 64		43 / 69
		Heating	Low/High	m³/min	36 / 64		43 / 69
	External static pressure	Nom./High		Pa	62 / 250		
Air filter	Type						
Sound power level	Cooling			dB(A)	69		71
Sound pressure level	Cooling	Low / Med. / High		dB(A)	36 / 39 / 43		37 / 40 / 44
	Heating	Low / Med. / High		dB(A)	36 / 39 / 43		37 / 40 / 44
Refrigerant	Type						
Piping connections	Liquid	OD		mm	9.52		
	Gas	OD		mm	19.1		22.2
Power supply	Phase / Frequency / Voltage		Hz / V	1~ / 50/60 / 220-240/220			
Control systems	Infrared remote control			BRC4C65			
	Wired remote control			BRC1H519W7/S7/K7 / BRC1E53A/B/C / BRC1D52			



Low height
High value

More flexibility for your business with single fan casings in the whole Sky Air range

Unique to the market: We proudly present our new low-height single fan outdoor units across all Sky Air ranges – from 3.5 to 25 kW.

- › More flexibility in positioning, easier transport and installation
- › Market-leading serviceability and handling – with easy access to all components and 7-segment display
- › Reliable cooling thanks to refrigerant cooled PCB
- › Full portfolio of connectable R-32 indoor units

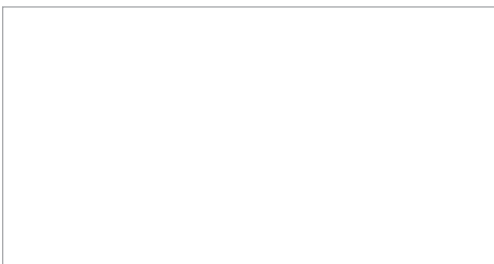
www.daikin.eu/skyairbluevolution



SkyAir
Advance-series

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Daikin Europe N.V. Naamloze Vennootschap Zandvoordestraat 300 · 8400 Oostende · Belgium · www.daikin.eu · BE 0412 120 336 · RPR Oostende (Publisher)



ECPEN19-148

09/19



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