

Low height Sky Air Alpha-series

RZAG-NV1/NY1



BLUEEVOLUTION

R-32

INVERTER



Industry leading technology in the most compact casing ever



Variable Refrigerant Temperature



Replacement technology



Infrastructure cooling



Pair, twin, triple, double twin application

- › Unique, low-height single fan portfolio
- › Best in class performance: SEER up to 8.02 (A++)
- › Lower environmental impact thanks to R-32 refrigerant
- › Suits infrastructure cooling applications
- › 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 85m
- › Market-leading serviceability and handling
 - Easy access to all components
 - 7-segment display



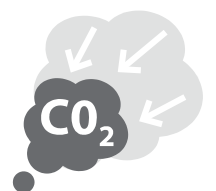
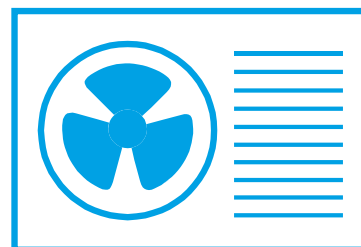
Unique, low-height single fan range



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
- › Highest efficiency (**SEER up to 8.22**) in the market
- › Does not require yearly refrigerant containment checks, which reduces maintenance costs
- › 16% less refrigerant charge

R-32



A⁺⁺ (A+++ - D)

BLUEVOLUTION



App Control

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

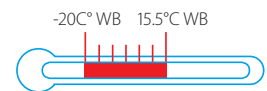
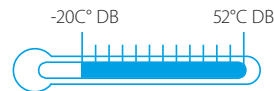


Very long piping length up to 85m



Widest operation range

- > Cooling operation from -20°C to 52°C
- > Heating operation down -20°C



Faster installation with up to 40m pre-charged pipe

- > Up to 60% of applications can be installed without additional refrigerant charge



Full indoor unit line up available in R-32

- > Over 45 different indoor unit models



The New *SkyAir* Alpha-series



Newly positioned handle
for easier handling



New and bigger fan design

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



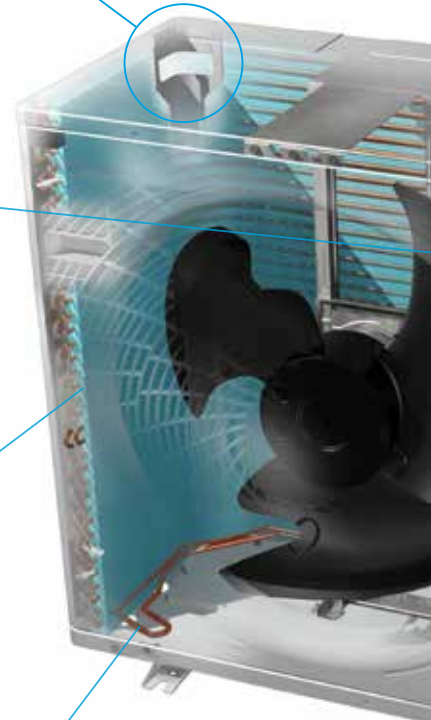
3-row heat exchanger

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



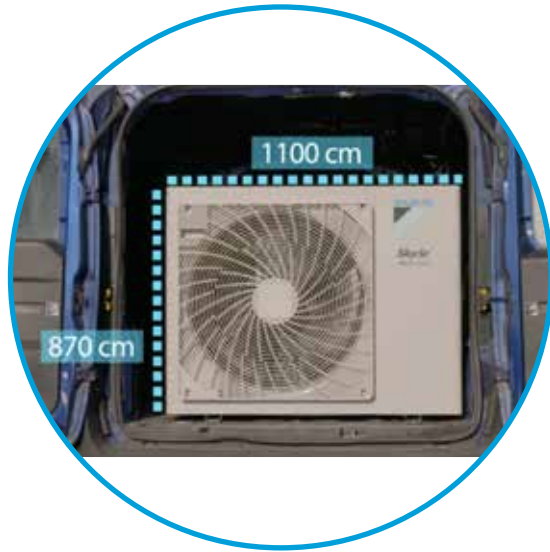
Bottom plate and heat
exchanger refrigerant pass

- › Drain holes are kept ice free
- › Guaranteed operation down to -20°C



Compact dimensions

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

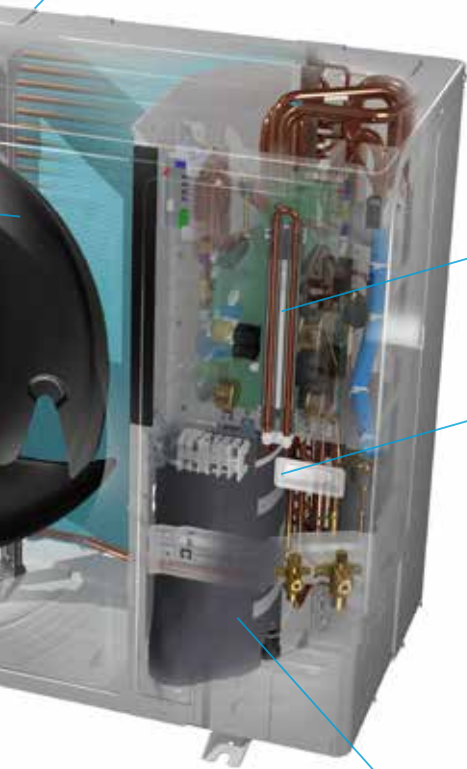


Refrigerant cooled PCB

Market-leading serviceability and handling






Swing compressor optimised for seasonal efficiency



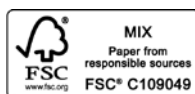
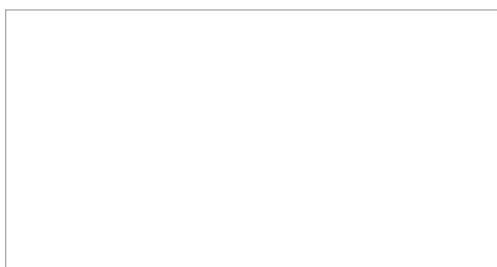
Comfort cooling pair combinations

Type	Indoor Unit	Outdoor Unit	Wired Remote Controller	Capacity (kW)		Seasonal efficiency					
				Cooling (Nominal)	Heating (Nominal)	Space cooling			Space heating (Average climate)		
						Energy label	SEER	ns,h (%)	Energy label	SCOP	ns,h (%)
High COP, Round flow cassette 	FCAHG71H	RZAG71NV1	BRC1H519W7/S7/K7	6.80	7.50	A++	7.90	-	A++	4.61	-
		RZAG71NY1		6.80	7.50	A++	7.90	-	A+	4.56	-
	FCAHG100H	RZAG100NV1		9.50	10.8	A++	7.70	-	A++	4.75	-
		RZAG100NY1		9.50	10.8	A++	7.70	-	A++	4.75	-
	FCAHG125H	RZAG125NV1		12.1	13.5	-	8.02	318	-	4.53	318
		RZAG125NY1		12.1	13.5	-	8.02	318	-	4.53	318
	FCAHG140H	RZAG140NV1		13.4	15.5	-	7.93	314	-	4.44	314
		RZAG140NY1		13.4	15.5	-	7.93	314	-	4.44	314
Round flow cassette 	FCAG71B	RZAG71NV1	BRC1H519W7/S7/K7	6.80	7.50	A++	6.83	-	A+	4.22	4.10
		RZAG71NY1		6.80	7.50	A++	6.83	-	A+	4.22	4.10
	FCAG100B	RZAG100NV1		9.50	10.8	A++	7.14	-	A+	4.53	4.10
		RZAG100NY1		9.50	10.8	A++	7.14	-	A+	4.53	4.10
	FCAG125B	RZAG125NV1		12.1	13.5	-	7.15	283	-	4.34	171
		RZAG125NY1		12.1	13.5	-	7.15	283	-	4.34	171
	FCAG140B	RZAG140NV1		13.4	15.5	-	6.80	269	-	4.34	171
		RZAG140NY1		13.4	15.5	-	6.80	269	-	4.34	171
Concealed ceiling unit with medium ESP 	FBA71A9	RZAG71NV1	BRC1H519W7/S7/K7	6.80	7.50	A++	6.22	-	A+	4.20	-
		RZAG71NY1		6.80	7.50	A++	6.22	-	A+	4.20	-
	FBA100A	RZAG100NV1		9.50	10.8	A++	6.47	-	A+	4.36	-
		RZAG100NY1		9.50	10.8	A++	6.47	-	A+	4.36	-
	FBA125A	RZAG125NV1		12.1	13.5	-	6.19	245	-	4.12	162
		RZAG125NY1		12.1	13.5	-	6.19	245	-	4.12	162
	FBA140A	RZAG140NV1		13.4	15.5	-	6.42	254	-	4.11	161
		RZAG140NY1		13.4	15.5	-	6.42	254	-	4.11	161
Concealed ceiling unit with high ESP 	FDA125A	RZAG125NV1	BRC1H519W7/S7/K7	12.1	13.5	-	6.59	261	-	4.08	160
		RZAG125NY1		12.1	13.5	-	6.59	261	-	4.08	160
Wall mounted unit 	FAA71A	RZAG71NV1	BRC1H519W7/S7/K7	6.80	7.50	A++	6.58	-	A+	4.02	-
		RZAG71NY1		6.80	7.50	A++	6.58	-	A+	4.02	-
	FAA100A	RZAG100NV1		9.50	10.8	A++	6.42	-	A+	4.01	-
		RZAG100NY1		9.50	10.8	A++	6.42	-	A+	4.01	-

Comfort cooling pair combinations

Type	Indoor Unit	Outdoor Unit	Wired Remote Controller	Capacity (kW)		Seasonal efficiency					
				Cooling (Nominal)	Heating (Nominal)	Space cooling			Space heating (Average climate)		
						Energy label	SEER	ns,h (%)	Energy label	SCOP	ns,h (%)
Ceiling suspended unit 	FHA71A9	RZAG71NV1	BRC1H519W7/S7/K7	6.80	7.50	A++	7.11	-	A+	4.32	-
		RZAG71NY1		6.80	7.50	A++	7.11	-	A+	4.32	-
	FHA100A	RZAG100NV1		9.50	10.8	A++	6.42	-	A++	4.61	-
		RZAG100NY1		9.50	10.8	A++	6.42	-	A++	4.61	-
	FHA125A	RZAG125NV1		12.1	13.5	-	7.14	283	-	4.09	161
		RZAG125NY1		12.1	13.5	-	7.14	283	-	4.09	161
	FHA140A	RZAG140NV1		13.4	15.5	-	6.42	254	-	4.30	169
		RZAG140NY1		13.4	15.5	-	6.42	254	-	4.30	169
4-way blow ceiling suspended unit 	FUA71A	RZAG71NV1	BRC1H519W7/S7/K7	6.80	7.50	A++	7.02	-	A+	4.20	-
		RZAG71NY1		6.80	7.50	A++	7.02	-	A+	4.20	-
	FUA100A	RZAG100NV1		9.50	10.8	A++	6.42	-	A+	4.50	-
		RZAG100NY1		9.50	10.8	A++	6.42	-	A+	4.50	-
	FUA125A	RZAG125NV1		12.1	13.5	-	6.39	253	-	4.26	167
		RZAG125NY1		12.1	13.5	-	6.39	253	-	4.26	167
Floor standing unit 	FVA71A	RZAG71NV1	BRC1H519W7/S7/K7	6.80	7.50	A++	6.34	-	A+	4.05	-
		RZAG71NY1		6.80	7.50	A++	6.34	-	A+	4.05	-
	FVA100A	RZAG100NV1		9.50	10.8	A+	6.00	-	A+	4.20	-
		RZAG100NY1		9.50	10.8	A+	6.00	-	A+	4.20	-
	FVA125A	RZAG125NV1		12.1	13.5	-	6.41	253	-	4.15	163
		RZAG125NY1		12.1	13.5	-	6.41	253	-	4.15	163
	FVA140A	RZAG140NV1		13.4	15.5	-	6.12	242	-	3.94	155
		RZAG140NY1		13.4	15.5	-	6.12	242	-	3.94	155

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