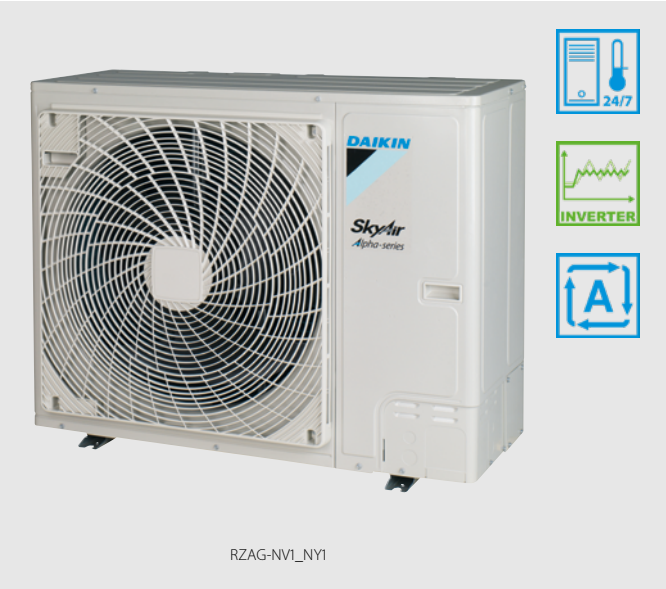
R-32

SkyAir Alpha-series BLUEVOLUTION

Sky Air Alpha-series

Industry leading technology for commercial applications and even for technical rooms

- Unique, low-height single fan range
- Compact dimensions allow almost unoticeable installation
- Market-leading serviceability and handling, thanks to wide access area, 7-segment display and additional handle
- The perfect balance in efficiency and comfort thanks to Variable Refrigerant Temperature: top seasonal efficiency throughout most of the year and quick reaction speed on the hottest days.
- Suits high sensible, infrastructure cooling applications
- Replace existing systems with R-32 technology without needing to replace the piping
- Guarantees operation in both heating and cooling mode down to -20°C
- Refrigerant cooled PCB guarantees reliable cooling, as it is not influenced by ambient temperature.
- Maximum piping length up to 85m (50m for RZAG-A)
- Outdoor units for pair, twin, triple, double twin application
- Combines with EKLN-A low sound enclosure



RZAG-NV1_NY1

Comfort cooling combination table

		FCAHG-H				FCAG-B							FFA-A9			FDA-A	FDXM-F9			FBA-A(9)							FHA-A(9)							NEW FAA-B		FTXM-R				FUA-A			FNA-A9			FVA-A			
capacity class		71	100	125	140	35	50	60	71	100	125	140	35	50	60	125	35	50	60	35	50	60	71	100	125	140	35	50	60	71	100	125	140	71	100	35	50	60	71	71	100	125	35	50	60	71	100	125	140
RZAG35A						P							P				P			P							P									P								P						
RZAG50A							P							P				P			P							P									P								P					
RZAG60A								P							P				P			P							P									P								P				
RZAG71NV1	RZAG71NY1	P				2			P				2				2			2			P				2			P				P							P			2			P			
RZAG100NV1	RZAG100NY1		P			3	2			P			3	2			3	2		3	2			P			3	2			P				P							P		3	2			P		
RZAG125NV1	RZAG125NY1			P		4	3	2			P		4	3	2	P	4	3	2	4	3	2			P		4	3	2			P										P	4	3	2			P	
RZAG140NV1	RZAG140NY1	2			P	4	3		2			P	4	3			4	3		4	3		2			P	4	3		2			P	2						2			4	3		2			P

P = pair application ; 2/3/4 = twin/triple/double twin application

Infrastructure cooling combination table

		FTXM-R				NEW FAA-B		FHA-A(9)						FBA-A(9)						FDXM-F9			FUA-A			FNA-A9			FVA-A				FFA-A9			FCAHG-H				FCAG-B						
capacity class		35	50	60	71	71	100	35	50	60	71	100	125	140	35	50	60	71	100	125	140	35	50	60	71	100	125	35	50	60	71	100	125	140	35	50	60	71	100	125	140	35	50	60	71	100	125	140
RZAG35A			P						P							P								P						P														P					
RZAG50A				P						P							P								P						P														P				
RZAG60A					P						P							P																												P			
RZAG71NV1	RZAG71NY1						P	3	2			P			3	2			P			3	2			P		3	2			P			3	2			P			3	2			P		
RZAG100NV1	RZAG100NY1					2		4	3		2			P	4	3		2			P	4	3		2			4	3		2			P	4	3		2			P	4	3		2			P
RZAG125NV1	RZAG125NY1					2		4	3		2			P	4	3		2			P	4	3		2			4	3		2			P	4	3		2			P	4	3		2			P
RZAG140NV1	RZAG140NY1					2		4	3		2			P	4	3		2			P	4	3		2			4	3		2			P	4	3		2			P	4	3		2			P

P = Pair, 2 = Twin, 3 = Triple, 4 = Double twin; For more information on infrastructure cooling options refer to infrastructure cooling catalogue.

More details and final information can be found by scanning or clicking the QR codes.

RZAG-A RZAG-NV1 RZAG-NY1

Outdoor Unit				RZAG	35A	50A	60A	71NV1	100NV1	125NV1	140NV1	71NY1	100NY1	125NY1	140NY1
Dimensions	Unit	HeightxWidthxDepth		mm	734 x870 x373			870 x1,100 x460							
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
	Heating			dBA	62.0	63.0	64.0	-		68 (1)	71 (1)	-		68 (1)	71 (1)
Sound pressure level	Cooling	Nom.		dBA	48.0	49.0	50.0	46	47	49	50	46	47	49	50
	Heating	Nom.		dBA	48.0	49.0	50.0	48	50	52		48	50	52	
Operation range	Cooling	Ambient	Min.~Max.	°CDB	-~-			-20 ~52							
	Heating	Ambient	Min.~Max.	°CWB	-~-			-20 ~18							
Refrigerant	Type/GWP				R-32/675.0			R-32/675							
	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.	m	50			55	85			55	85		
		System	Equivalent	m	-			75	100			75	100		
			Chargeless	m	30			40							
	Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 30m)			See installation manual							
	Level difference	IU - OU	Max.	m	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			

(1)According to ENER Lot 21 | Contains fluorinated greenhouse gases