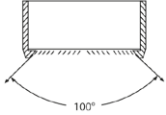


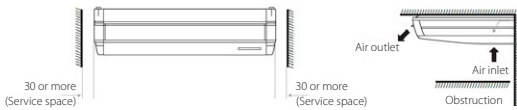
Ceiling suspended unit

For wide rooms with no false ceilings nor free floor space

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- › **NEW** RZAG-A mini Sky Air Alpha-series includes technical cooling function
- › **NEW** New single fan Sky Air Alpha-series range!

Efficiency data		FHA + RZAG	35A9 + 35A	50A9 + 50A	60A9 + 60A	71A9 + 71NV1	100A + 100NV1	125A + 125NV1	140A + 140NV1	71A9 + 71NY1	100A + 100NY1	125A + 125NY1	140A + 140NY1		
Cooling capacity	Nom.	kW	3,5	5,0	6,0	6.80	9.50	12.1	13.4	6.80	9.50	12.1	13.4		
Heating capacity	Nom.	kW	4,0	5,8	7,0	7.50	10.8	13.5	15.5	7.50	10.8	13.5	15.5		
Space cooling	Energy efficiency class		A++			A++			-		A++		-		
	Capacity	Pdesign kW	3,5	5,0	6,0	6.80	9.50	12.1	13.4	6.80	9.50	12.1	13.4		
	SEER		6,4	6,8	6,6	7.11	6.42	8.22	6.42	7.11	6.42	8.22	6.42		
	ηs,c	%	-			-			326		-		326		
	Annual energy consumption	kWh/a	191	257	318	335	518	883	1,252	335	518	883	1,252		
Space heating (Average climate)	Energy efficiency class		A+			A+		-		A+		A++		-	
	Capacity	Pdesign kW	3,1	4,0	4,6	4.70	7.80	9.52		4.70	7.80	9.52			
	SCOP/A		4,1	4,3	4,2	4.32	4.61	4.09	4.30	4.32	4.61	4.09	4.30		
	ηs,h	%	-			-			161		-		161		
	Annual energy consumption	kWh/a	1,058	1,302	1,633	1,523	2,369	3,259	3,100	1,523	2,369	3,259	3,100		
Indoor unit		FHA	35A	50A	60A	71A9	100A	125A	140A	71A9	100A	125A	140A		
Dimensions	Unit	HeightxWidthxDepth	mm												
	Unit	mm	235x960x690	235x1,270x690	235x960x690	235x1,270x690	235x1,590x690			235x1,270x690	235x1,590x690				
Weight	Unit	kg	24.0	31.0	25.0	32.0	38.0			32.0	38.0				
Air filter	Type		Resin net												
Fan	Air flow rate	Cooling	Low/Medium/High	m³/min											
		Heating	Low/Medium/High	m³/min											
Sound power level	Cooling			dB(A)											
	Heating			dB(A)											
Sound pressure level	Cooling	Low/High		dB(A)											
	Heating	Nom./High		dB(A)											
Control systems	Infrared remote control		BRC7GA53 / BRC7GA56												
	Wired remote control		BRC1H519W/S/K7 / BRC1E53A/B/C / BRC1D52												
Power supply	Phase/Frequency/Voltage	Hz/V	1~/50/220-240												
Outdoor unit		RZAG	35A	50A	60A	71NV1	100NV1	125NV1	140NV1	71NY1	100NY1	125NY1	140NY1		
Dimensions	Unit	HeightxWidthxDepth	734x870x373				870x1,100x460								
Weight	Unit	kg	52				70	92		70	92				
Sound power level	Cooling		dB(A)												
	Heating		dB(A)												
Sound pressure level	Cooling	Nom.	dB(A)												
	Heating	Nom.	dB(A)												
Operation range	Cooling	Ambient	Min.~Max.	°CDB				-20/+52							
	Heating	Ambient	Min.~Max.	°CWB				-20/+24							
Refrigerant	Type/GWP		R32 / 675												
	Charge	kg/TCO2Eq	1.55/1.05				2.95/1.99	3.75/2.53		2.95/1.99	3.75/2.53				
Piping connections	Liquid/Gas	OD	6.4 / 9.52		6.4 / 12.7		9.52 / 15.9								
	Piping length	OU - IU	Max.		m		55		85		55		85		
		System	Equivalent		m		75		100		75		100		
		Chargeless	m		30		40								
	Additional refrigerant charge	kg/m	See installation manual												
	Level difference	IU - OU	Max.		m		30		30.0						
Power supply	Phase/Frequency/Voltage	Hz/V	Single / 50 / 230				1~/50/220-240				3~/50/380-415				
Current - 50Hz	Maximum fuse amps (MFA)	A	16	16	20	20	32		16						

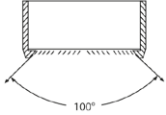
(1) MFA is used to select the circuit breaker and the ground fault circuit interrupter(earth leakage circuit breaker). For more detailed information on each combination, please refer to the electrical data drawing.

*Note: blue cells contain preliminary data

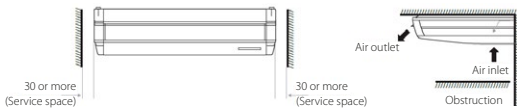
Ceiling suspended unit

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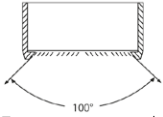
Efficiency data			FHA + RZAG	71A9 + 71MV1	100A + 100MV1	125A + 125MV1	140A + 140MV1	71A9 + 71MY1	100A + 100MY1	125A + 125MY1	140A + 140MY1
Cooling capacity	Nom.	kW	6.80	9.50	12.1	13.4	6.80	9.50	12.1	13.4	
Heating capacity	Nom.	kW	7.50	10.8	13.5	15.5	7.50	10.8	13.5	15.5	
Space cooling	Energy efficiency class		A++				A++				
	Capacity	Pdesign kW	6.80	9.50	12.1	13.4	6.80	9.50	12.1	13.4	
	SEER		7.11	6.42	8.22	6.42	7.11	6.42	8.22	6.42	
	ηs,c	%	-		326	254	-		326	254	
	Annual energy consumption	kWh/a	335	518	883	1,252	335	518	883	1,252	
Space heating (Average climate)	Energy efficiency class		A+				A++				
	Capacity	Pdesign kW	4.70	7.80	9.52		4.70	7.80	9.52		
	SCOP/A		4.32	4.61	4.09	4.30	4.32	4.61	4.09	4.30	
	ηs,h	%	-		161	169	-		161	169	
	Annual energy consumption	kWh/a	1,523	2,369	3,259	3,100	1,523	2,369	3,259	3,100	
Indoor unit			FHA	71A9	100A	125A	140A	71A9	100A	125A	140A
Dimensions	Unit	HeightxWidthxDepth	mm	235x1,270x690		235x1,590x690		235x1,270x690		235x1,590x690	
Weight	Unit		kg	32.0		38.0		32.0		38.0	
Air filter	Unit		kg	32.0		38.0		32.0		38.0	
Fan	Air flow rate	Cooling	Low/Medium/High	Resin net							
		Heating	Low/Medium/High								
Sound power level	Cooling		dBA	55	60	62	64	55	60	62	64
Sound pressure level	Cooling	Low/High	dBA	34/38	34/42	37/44	38/46	34/38	34/42	37/44	38/46
	Heating	Nom./High	dBA	36/38	38/42	41/44	42/46	36/38	38/42	41/44	42/46
Control systems	Infrared remote control			BRC7GA53 / BRC7GA56							
	Wired remote control			BRC1H519W/S/K7 / BRC1E53A/B/C / BRC1D52							
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/220-240							
Outdoor unit			RZAG	71MV1	100MV1	125MV1	140MV1	71MY1	100MY1	125MY1	140MY1
Dimensions	Unit	HeightxWidthxDepth	mm	990x940x320		1,430x940x320		990x940x320		1,430x940x320	
Weight	Unit		kg	70		92		70		92	
Sound power level	Cooling		dBA	64	66	69	70	65	66	69	70
	Heating		dBA	-		69	70	-		69	70
Sound pressure level	Cooling	Nom.	dBA	46	47	50	51	46	47	50	51
	Heating	Nom.	dBA	49	51	52		49	51	52	
Operation range	Cooling	Ambient	Min.~Max.	-20~52							
	Heating	Ambient	Min.~Max.	-20~-18.0							
Refrigerant	Type/GWP			R-32/675							
	Charge		kg/TCO2Eq	2.95/1.99		3.75/2.53		2.95/1.99		3.75/2.53	
Piping connections	Liquid/Gas	OD	mm	9.52/15.9							
	Piping length	OU - IU Max.	m	55		85		55		85	
		System Equivalent	m	75		100		75		100	
		Chargeless	m	40							
	Additional refrigerant charge		kg/m	See installation manual							
	Level difference	IU - OU Max.	m	30.0							
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) 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.

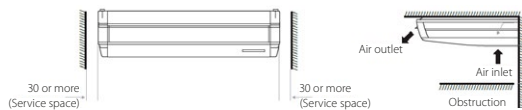
Ceiling suspended unit

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Efficiency data		FHA + RZASG	71A9 + 71MV1	100A + 100MV1	125A + 125MV1	140A + 140MV1	100A + 100MY1	125A + 125MY1	140A + 140MY1		
Cooling capacity	Nom.	kW	6.80	9.50	12.1	13.4	9.50	12.1	13.4		
Heating capacity	Nom.	kW	7.50	10.8	13.5	15.5	10.8	13.5	15.5		
Space cooling	Energy efficiency class		A+				A+				
	Capacity	Pdesign	kW	6.80	9.50	12.1	13.4	9.50	12.1	13.4	
	SEER			5.95	5.83		5.88	5.83		5.88	
	ηs,c		%	-		230	232	-		230	
	Annual energy consumption		kWh/a	400	570	1,246	1,368	570	1,246	1,368	
Space heating (Average climate)	Energy efficiency class		A				A				
	Capacity	Pdesign	kW	4.50	6.00		7.80	6.00		7.80	
	SCOP/A			3.90	3.91	3.83	3.81	3.91	3.83	3.81	
	ηs,h		%	-		150	149	-		150	
	Annual energy consumption		kWh/a	1,616	2,148	2,193	2,866	2,148	2,193	2,866	
Indoor unit		FHA	71A9	100A	125A	140A	100A	125A	140A		
Dimensions	Unit HeightxWidthxDepth	mm	235x1,270x690		235x1,590x690						
Weight	Unit	kg	32.0		38.0						
Air filter	Type		Resin net								
Fan	Air flow rate	Cooling	Low/Medium/High	m ³ /min	14.0/17.0 /20.5	20.0/24.0/28.0	23.0/27.0 /31.0	24.0/29.0 /34.0	20.0/24.0 /28.0	23.0/27.0 /31.0	24.0/29.0 /34.0
		Heating	Low/Medium/High	m ³ /min	14.0/17.0 /20.5	20.0/24.0/28.0	23.0/27.0 /31.0	24.0/29.0 /34.0	20.0/24.0 /28.0	23.0/27.0 /31.0	24.0/29.0 /34.0
Sound power level	Cooling			dBA	55	60	62	64	60	62	64
Sound pressure level	Cooling	Low/High		dBA	34/38	34/42	37/44	38/46	34/42	37/44	38/46
	Heating	Nom./High		dBA	36/38	38/42	41/44	42/46	38/42	41/44	42/46
Control systems	Infrared remote control		BRC7G53								
	Wired remote control		BRC1H519W/S/K7/ BRC1E53A/B/C / BRC1D52								
Power supply	Phase/Frequency/Voltage	Hz/V	1~/50/220-240								
Outdoor unit		RZASG/RZASG	71MV1	100MV1	125MV1	140MV1	100MY1	125MY1	140MY1		
Dimensions	Unit HeightxWidthxDepth	mm	770x900x320		990x940x320						
Weight	Unit	kg	60	70		78	70		77		
Sound power level	Cooling		dBA	65	70	71	73	70	71	73	
	Heating		dBA	-	-	71	73	-	71	73	
Sound pressure level	Cooling	Nom.	dBA	46	53		54	53		54	
	Heating	Nom.	dBA	47			57				
Operation range	Cooling	Ambient	Min.~Max.	°CDB						-15~46	
	Heating	Ambient	Min.~Max.	°CWB						-15~15.5	
Refrigerant	Type/GWP		R-32/675								
	Charge		kg/TCO2Eq	2.45/1.65	2.60/1.76		2.90/1.96	2.60/1.76		2.90/1.96	
Piping connections	Liquid/Gas	OD		mm						9.52/15.9	
	Piping length	OU - IU	Max.	m						50	
		System	Equivalent	m						70	
			Chargeless	m						30	
	Additional refrigerant charge		kg/m	See installation manual							
Power supply	Level difference	IU - OU	Max.	m						30.0	
	Phase/Frequency/Voltage	Hz/V	1~/50/220-240						3~/50/380-415		
Current - 50Hz	Maximum fuse amps (MFA)	A	20	25	32		16				

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Efficiency data		FHA + RXM	35A9 + 35N9	50A9 + 50N9	60A9 + 60N9	
Cooling capacity	Nom.	kW	3.40	5.00	5.70	
Heating capacity	Nom.	kW	4.00	6.00	7.20	
Space cooling	Energy efficiency class		A++		A+	
	Capacity	Pdesign	kW	3.40	5.00	5.70
	SEER		6.24	5.92	6.08	
	ηs,c		%	-	-	-
Space heating (Average climate)	Annual energy consumption		kWh/a	191	295	328
	Energy efficiency class		A+		A	
	Capacity	Pdesign	kW	3.10	4.35	4.71
	SCOP/A		4.43	3.86	3.87	
	ηs,h		%	-	-	-
Annual energy consumption		kWh/a	979	1,578	1,704	
Indoor unit		FHA	35A9	50A9	60A9	
Dimensions	Unit	HeightxWidthxDpeth	mm	235x960x690		
Weight	Unit		kg	24	25	
Air filter	Type			Resin net		
Decoration panel				- / - / -		
Fan	Air flow rate	Cooling	Low/Medium/High	m³/min	10.0/11.5/14.0	
		Heating	Low/Medium/High	m³/min	10.0/11.5/14.0	
Sound power level	Cooling			dBA	53.0	
Sound pressure level	Cooling	Low/High		dBA	31.0/36.0	
	Heating	Nom./High		dBA	34.0/36.0	
Control systems	Infrared remote control			BRC7GA53 / BRC7GA56		
	Wired remote control			BRC1H519W/S/K7 / BRC1E53A/B/C / BRC1D52		
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/220-240		
Outdoor unit		RXM	35N9	50N9	60N9	
Dimensions	Unit	HeightxWidthxDpeth	mm	550x765x285		
Weight	Unit		kg	32	50	
Sound power level	Cooling			dBA	61	
	Heating			dBA	61	
Sound pressure level	Cooling	Nom.		dBA	49	
	Heating	Nom.		dBA	49	
Operation range	Cooling	Ambient	Min.~Max.	°CDB	~	
	Heating	Ambient	Min.~Max.	°CWB	~	
Refrigerant	Type			R-32		
	GWP			675		
	Charge		kg/CO2Eq	0.76/0.52	1.15/0.78	
Piping connections	Liquid	OD	mm	635	64	
	Gas	OD	mm	9.50	12.7	
	Piping length	OU - IU	Max.	m	20	
		System	Chargeless	m	10	
	Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 10m)	
Level difference	IU - OU	Max.	m	15	20	
Power supply	Phase/Frequency/Voltage		Hz/V	1~/50/220-240		
Current - 50Hz	Maximum fuse amps (MFA)		A	-		

Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB, outdoor temperature: 35°CDB, equivalent refrigerant piping: 5m, level difference: 0m. | Nominal heating capacities are based on: indoor temperature: 20°CDB, outdoor temperature: 7°CDB, 6°CWB, equivalent refrigerant piping: 5m, level difference: 0m. | See separate drawing for operation range | See separate drawing for electrical data | Contains fluorinated greenhouse gases

