



Sky Air Alpha-series Air Conditioning Technical Data RZAG-A



2 Specifications

1 - 1 RZAG-A

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Technical Specifications					RZAG35A		RZAG50A		RZAG60A	
Casing	Colour				Ivory white					
Dimensions	Unit	Height	mm		734					
		Width	mm		870					
		Depth	mm		373					
	Packed unit	Height	mm		820					
		Width	mm		1,050					
		Depth	mm		480					
Weight	Unit	kg			52					
	Packed unit	kg			57					
Packing	Weight	kg			5					
Heat exchanger	Length	mm			920					
	Rows	Quantity			2					
	Fin pitch	mm			1.40					
	Passes	Quantity			2.2					
	Stages	Quantity			32					
	Tube type				ø7 Hi-XD					
	Fin	Type			Waffle fin (PE)					
	Fan	Type				Propeller fan				
Air flow rate		Cooling	Nom.	m³/min	55.1					
					cfm	1,947				
		Heating	Nom.	m³/min		55.1				
					cfm	1,947				
Fan motor	Model					D55F-31				
	Output	W			55					
	Speed	Cooling	High	rpm	780					
			Nom.	rpm	740	780				
			Low	rpm	580	620	640			
		Heating	High	rpm	740					
			Nom.	rpm	740					
			Low	rpm	460					
Compressor	Model				2YC40JXD#C					
	Oil Amount	cm³			650					
	Type				Hermetically sealed swing compressor					
	Output	W			1,300					
	Oil Type				FW68DA					
Sound power level	Cooling	dBA			62.0	63.0				64.0
Sound power level	Heating	dBA			62.0	63.0				64.0
Sound pressure level	Cooling	Nom.	dBA		48.0	49.0				50.0
	Heating	Nom.	dBA		48.0	49.0				50.0
Refrigerant	Type				R-32					
	Charge	kg			1.55					
	Charge	TCO2Eq			1.05					
	GWP				675.0					
	Piping connections	Liquid	OD	mm		6.35				
Gas		OD	mm		9.50	12.7				
Drain		OD	mm		16					
Piping length		OU - IU	Max.	m	50					
length		System	Chargeless	m	30					
Additional refrigerant charge		kg/m			0.02 (for piping length exceeding 30m)					
Level difference		IU - OU	Max.	m	30.0					
Heat insulation					Both liquid and gas pipes					
Capacity control		Method				Variable (inverter)				

Standard accessories: Drain plug; Quantity: 1;

Standard accessories: Installation manual; Quantity: 1;

Standard accessories: Refrigerant charge label; Quantity: 1;

Standard accessories: Multilingual fluorinated greenhouse gases labels; Quantity: 1;

Standard accessories: Drain cap (1); Quantity: 6;

Standard accessories: Drain cap (2); Quantity: 3;

Standard accessories: General safety precautions; Quantity: 1;

Standard accessories: LOT10 Energy Label; Quantity: 1;

Electrical Specifications			RZAG35A	RZAG50A	RZAG60A
Power supply	Phase		1~		
	Frequency	Hz	50		
	Voltage	V	220-240		
Wiring connections	For power supply	Remark	Earth wire included		
	For connection with indoor	Remark	Earth wire included		

See separate drawing for operation range |

See separate drawing for electrical data |

2 Specifications

1 - 1 RZAG-A

Contains fluorinated greenhouse gases

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Technical specifications			FCAG35B + RZAG35A	FCAG50B + RZAG35A	FCAG50B + RZAG50A	FCAG60B + RZAG50A	FCAG60B + RZAG60A	FCAG71B + RZAG60A
Cooling capacity	Min.	kW	1.6		1.7			
	Min.	Btu/h	5,500.0		5,800.0			
	Min.	kcal/h	1,376.0		1,462.0			
	Nom.	kW	3.5		5.0		6.0	
	Nom.	Btu/h	11,900.0		17,100.0		20,500.0	
	Nom.	kcal/h	3,009.0		4,299.0		5,159.0	
	Max.	kW	4.5		6.0		6.5	
	Max.	Btu/h	15,400.0		20,500.0		22,200.0	
	Max.	kcal/h	3,869.0		5,159.0		5,589.0	
Heating capacity	Min.	kW	1.40		1.50		1.60	
	Min.	Btu/h	4,800.0		5,100.0		5,500.0	
	Min.	kcal/h	1,200.0		1,290.0	1,300.0	1,380.0	1,400.0
	Nom.	kW	4.00		5.80		7.00	
	Nom.	Btu/h	13,700.0		19,800.0		23,900.0	
	Nom.	kcal/h	3,439.0		4,987.0		6,019.0	
	Max.	kW	5.00		6.00		7.50	
	Max.	Btu/h	17,000.0		20,500.0		25,600.0	
	Max.	kcal/h	4,299.0		5,159.0		6,449.0	
Power input	Cooling	Nom. kW	0.80	0.77	1.28	1.26	1.76	1.58
	Heating	Nom. kW	0.93	0.91	1.56	1.55	2.06	1.98
Nominal efficiency	EER		4.40	4.57	3.90	3.98	3.40	3.79
	COP		4.30	4.41	3.71	3.75	3.40	3.53
	Annual energy consumption	kWh	398	383	641	628	882	792
	Energy labeling Directive	Cooling Heating	A				C	B
Space cooling	Energy efficiency class		A++					
	Capacity	Pdesign kW	3.50		5.00		6.00	
	SEER		7.30	7.40	6.80	6.93	6.60	6.82
	Annual energy consumption	kWh/a	168	166	257	252	318	308
Space heating (Average climate)	Energy efficiency class		A+					
	Capacity	Pdesign kW	3.30		4.30		4.60	
	SCOP/A		4.30	4.41	4.30	4.35	4.25	4.39
	SCOPnet/A		4.34	4.45	4.34	4.39	4.29	4.43
	Pdh Heating capacity at -10°	kW	2.91		3.68		3.96	
	Annual energy consumption	kWh/a	1,074	1,048	1,398	1,384	1,515	1,467
	Required back up heating cap at design conditions	kW	0.39		0.62		0.64	
Space cooling	A	Pdc kW	3.50		5.00		6.00	
	Condition (35°C - 27/19)	EERd	4.40	4.57	3.90	3.98	3.40	3.79
		Power input kW	0.80	0.77	1.28	1.26	1.76	1.58
	B	Pdc kW	2.58		3.68		4.42	
	Condition (30°C - 27/19)	EERd	7.04	6.92	5.82	5.95	5.74	5.92
		Power input kW	0.37		0.63		0.77	
	C	Pdc kW	1.50		2.37		2.84	
	Condition (25°C - 27/19)	EERd	9.98	10.74	8.41	8.54	7.65	7.89
		Power input kW	0.15		0.28		0.37	
	D	Pdc kW	1.59		1.85		1.88	
	Condition (20°C - 27/19)	EERd	13.20	13.42	12.89	13.30	12.82	12.98
		Power input kW	0.12		0.14		0.15	