

2 Specifications

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Technical specifications				ATXP20N + ARXP20N	ATXP25N + ARXP25N	ATXP35N + ARXP35N
Indoor unit				ATXP20N5V1B	ATXP25N5V1B	ATXP35N5V1B
Outdoor unit				ARXP20N5V1B	ARXP25N5V1B	ARXP35N5V1B
Cooling capacity	Min.		kW		1.3	
	Min.		Btu/h		4,435.8	
	Min.		kcal/h		1,117.8	
	Nom.		kW	2.00	2.50	3.50
	Nom.		Btu/h	6,824.3	8,530.4	11,942.5
	Nom.		kcal/h	1,719.7	2,149.6	3,009.5
	Max.		kW	2.6	3.0	4.0
	Max.		Btu/h	8,871.6	10,236.4	13,648.6
	Max.		kcal/h	2,235.6	2,579.5	3,439.4
Cooling capacity - Low sound mode (Stb. 2020, 189)	Min.		kcal/h		-	
	Max.		kcal/h		-	
Heating capacity	Min.		kW		1.30	
	Min.		Btu/h		4,435.8	
	Min.		kcal/h		1,117.8	
	Nom.		kW	2.50	3.00	4.00
	Nom.		Btu/h	8,530.4	10,236.4	13,648.6
	Nom.		kcal/h	2,149.6	2,579.5	3,439.4
	Max.		kW	3.50	4.00	4.80
	Max.		Btu/h	11,942.5	13,648.6	16,378.3
	Max.		kcal/h	3,009.5	3,439.4	4,127.3
Power input	Cooling	Min.	kW		0.31	0.29
		Nom.	kW	0.54	0.67	1.08
		Max.	kW		0.72	1.30
	Heating	Min.	kW		0.25	0.29
		Nom.	kW	0.52	0.69	0.99
		Max.	kW		0.95	1.29
Nominal efficiency	EER				3.71	3.24
	COP			4.77	4.36	4.02
	Energy labeling Directive	Cooling			A	
		Heating			A	
Space cooling	Energy efficiency class				A++	
	Capacity	P _{design}	kW	2.00	2.50	3.50
	SEER				6.90	
	Annual energy consumption		kWh/a	101	127	178
Space heating (Average climate)	Capacity	P _{design}	kW	2.20	2.40	2.80
	Energy efficiency class				A++	
	SCOP/A			4.64	4.60	4.62
	SCOPnet/A			4.68	4.64	4.67
	P _{dh} Heating capacity at -10°		kW	1.98	2.09	2.32
	Annual energy consumption		kWh/a	663	730	847
	Required back up heating cap at design conditions		kW	0.22	0.31	0.48
Space heating (Warm climate)	Capacity	P _{designh}	kW	1.18	1.29	1.51
	Energy efficiency class				A+++	
	SCOP			5.44	5.55	5.75
	SCOPnet			5.61	5.71	5.89
	Annual energy consumption		kWh/a	303	325	367
	Required back up heating cap at design conditions		kW		0.00	
Space cooling	A Condi- tion (35°C - 27/19)	P _{dc}	kW	2.00	2.50	3.50
		EERd			3.71	3.24
		Power input	kW	0.54	0.67	1.08
	B Condi- tion (30°C - 27/19)	P _{dc}	kW	1.47	1.84	2.58
		EERd		5.65	5.17	5.05
		Power input	kW	0.26	0.36	0.51
	C Condi- tion (25°C - 27/19)	P _{dc}	kW		1.23	1.66
		EERd		9.05	8.83	8.85
		Power input	kW		0.14	0.19
	D Condi- tion (20°C - 27/19)	P _{dc}	kW		1.30	1.44
		EERd		11.58	11.42	11.75
		Power input	kW		0.11	0.12

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Space heating (Average climate)	TOL	Tol (temperature operating limit) °C			-15			
		Pd _h (declared heating cap) kW			2.05		2.14	
		COP _d (declared COP)			2.00		2.20	
		Power input kW			1.03		0.97	
	TBivalent	Tbiv (bivalent temperature) °C			-7			
		Pd _h (declared heating cap) kW			1.95	2.12	2.48	
		COP _d (declared COP)			3.28	3.22	3.23	
		Power input kW			0.60	0.66	0.77	
	A Con- dition (-7°C)	Pd _h (declared heating cap) kW			1.95	2.12	2.48	
		COP _d (declared COP)			3.28	3.22	3.23	
Power input kW			0.60	0.66	0.77			
Space heating (Average climate)	B Condi- tion (2°C)	Pd _h (declared heating cap) kW			1.18	1.29	1.51	
		COP _d (declared COP)			4.74	4.61	4.56	
		Power input kW			0.25	0.28	0.33	
		Pd _h (declared heating cap) kW			0.91		1.05	
	C Condi- tion (7°C)	COP _d (declared COP)			5.65	5.63	5.77	
		Power input kW				0.16	0.18	
		Pd _h (declared heating cap) kW				1.06	1.11	
	D Con- dition (12°C)	COP _d (declared COP)			7.13	7.11	7.35	
		Power input kW			0.15			
		Tol (temperature operating limit) °C			-15			
Space heating (Warm climate)	TOL	Pd _h (declared heating cap) kW			2.05		2.14	
		COP _d (declared COP)			2.00		2.20	
		Power input kW			1.03		0.97	
		Tbiv (bivalent temperature) °C			2			
	TBivalent	Pd _h (declared heating cap) kW			1.18	1.29	1.51	
		COP _d (declared COP)			4.74	4.61	4.56	
		Power input kW			0.25	0.28	0.33	
		Pd _h (declared heating cap) kW			1.18	1.29	1.51	
	B Condi- tion (2°C)	COP _d (declared COP)			4.74	4.61	4.56	
		Power input kW			0.25	0.28	0.33	
C Condi- tion (7°C)		Pd _h (declared heating cap) kW			0.91		1.05	
	COP _d (declared COP)			5.65	5.63	5.77		
	Power input kW				0.16	0.18		
Power consump- tion in other than active mode	D Con- dition (12°C)	Pd _h (declared heating cap) kW			1.06		1.11	
		COP _d (declared COP)			7.13	7.11	7.35	
		Power input kW			0.15			
	Crank- case heater mode	PCK W			0.0			
		Off mode POFF W			1.0			
		Standby mode	Cooling	PSB	W	1.0		
			Heating	PSB	W	1.0		
		Thermo- stat-off mode	PTO	Cooling	W	12		
				Heating	W	12		
	Cooling	C _{dc} (Degradation cooling)				0.25		
Heating	C _{dh} (Degradation heating)				0.25			
Cooling function included					Yes			
Heating function included					Yes			
Average climate included					Yes			
Cold season included					No			
Warm season included					Yes			
Ecolabel logo					No			
Eurovent	Sound power level outdoor	Cooling	Nom.	dB _A	61		62	
		Cooling	Nom.	dB _A	55		58	
	Piping length	Cooling	Measuring con- dition	m	5.0			

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 electrical data

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Technical Specifications					ARXP20N	ARXP25N		ARXP35N	
Casing	Colour				Ivory white				
Dimensions	Unit	Height	mm		556				
		Width	mm		740				
		Depth	mm		343				
	Packed unit	Height	mm		630				
		Width	mm		790				
		Depth	mm		400				
Weight	Unit	kg		24					
	Packed unit	kg		26					
Packing	Weight	kg		2					
Heat exchanger	Length	mm		670		647			
	Rows	Quantity		1		2			
	Fin pitch	mm		1.40					
	Stages	Quantity		24					
	Passes	Quantity		2.0		3.0			
	Tube type	ø7 Hi-XD							
	Tube material	Copper							
	Fin	Type		Waffle Hydrophilic Blue					
	Fan	Type	Propeller						
Air flow rate		Cooling	High	m³/min	27.6		28.2		
				cfm	975		996		
		Heating	High	m³/min	27.1	28.0		26.8	
			cfm	957	990		946		
Fan motor	Model				DFC03Z1VA				
	Insulation grade				Class "E"				
	Output	W			28				
	Speed	Cooling	High	rpm	760				
			Low	rpm	640				
	Heating	High	rpm	790	820		760		
		Low	rpm	550					
Compressor	Model				1Y078BKAX1P#D				
	Oil Amount	cm³			400				
	Type				Hermetically sealed swing compressor				
	Output	W			700				
	Oil Type				FW68DA				
					550				
Operation range	Cooling	Ambient	Min.	°CDB	-10				
Operation range	Cooling	Ambient	Max.	°CDB	48				
	Heating	Ambient	Min.	°CWB	-15				
				°CDB	-15				
			Max.	°CWB	18				
				°CDB	24				
Sound power level	Heating	Nom.	dBA		60		62		
Sound pressure level	Cooling	High	dBA		46		48		
	Heating	High	dBA		47		48		
Refrigerant	Type				R-32				
	Charge	kg			0.55		0.70		
	GWP				675.0				
Piping connections	Liquid	OD	mm		6.4				
	Gas	OD	mm		9.5				
	Drain	OD	mm		18				
	Piping length	OU - IU	Max.	m	20				
	Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 10m)				
	Level dif-ference	IU - OU	Max.	m	12				
	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: General safety precautions;Quantity: 1;

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Contains fluorinated greenhouse gases

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Electrical Specifications			ARXP20N	ARXP25N	ARXP35N
Power supply	Phase			1~	
	Frequency	Hz		50	
	Voltage	V		220-240	
Wiring connections	For power supply	Quantity		3	
		Remark		Earth wire included	
	For connection with indoor	Quantity		4	
		Remark		Earth wire included	

See separate drawing for operation range |

See separate drawing for electrical data |

Contains fluorinated greenhouse gases