

2 Specifications

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Technical specifications				ATXD25A + ARXD25A		ATXD35A + ARXD35A	
Indoor unit				ATXD25A5V1B		ATXD35A5V1B	
Outdoor unit				ARXD25A5V1B		ARXD35A5V1B	
Cooling capacity	Min.		kW	1.3		1.4	
	Min.		Btu/h	4,435.8		4,777.0	
	Min.		kcal/h	1,117.8		1,203.8	
	Nom.		kW	2.50		3.30	
	Nom.		Btu/h	8,530.4		11,260	
	Nom.		kcal/h	2,149.6		2,837.5	
	Max.		kW	3.2		3.9	
	Max.		Btu/h	10,900.0		13,307.4	
	Max.		kcal/h	2,752.0		3,353.4	
Cooling capacity - Low sound mode (Stb. 2020, 189)	Min.		kcal/h	-		-	
	Max.		kcal/h	-		-	
Heating capacity	Min.		kW	1.30		1.40	
	Min.		Btu/h	4,435.8		4,777.0	
	Min.		kcal/h	1,117.8		1,203.8	
	Nom.		kW	2.80		3.30	
	Nom.		Btu/h	9,554.0		11,942	
	Nom.		kcal/h	2,407.6		3,009.5	
	Max.		kW	4.40		5.00	
	Max.		Btu/h	15,013.4		17,060.7	
	Max.		kcal/h	3,783.3		4,299.2	
Power input	Cooling	Nom.	kW	0.660		1.07	
	Heating	Nom.	kW	0.690		0.990	
Nominal efficiency	EER			4.50		4.23	
	COP			4.60		4.00	
	Energy labeling	Cooling		A		A	
	Directive	Heating		A		A	
Space cooling	Energy efficiency class			A+++			
	Capacity	Pdesign	kW	2.50		3.30	
	SEER			8.50			
	Annual energy consumption			103		136	
Space heating (Average climate)	Capacity	Pdesign	kW	2.40		2.50	
	Energy efficiency class			A+++			
	SCOP/A			5.10			
	SCOPnet/A			5.14		5.15	
Space heating (Average climate)	PdH Heating capacity at -10°			2.12		2.19	
	Annual energy consumption			659		686	
	Required back up heating cap at design conditions			0.280		0.310	
Space heating (Warm climate)	Capacity	Pdesignh	kW	1.29		1.35	
	Energy efficiency class			A+++			
	SCOP			6.10		5.95	
	SCOPnet			6.21		6.06	
	Annual energy consumption			296		317	
	Required back up heating cap at design conditions			0.280		0.310	
	Power input			0.556		0.780	
Space cooling	A Condition (35°C - 27/19)	Pdc	kW	2.50		3.30	
		EERd		4.50		4.23	
		Power input	kW	0.556		0.780	
	B Condition (30°C - 27/19)	Pdc	kW	1.84		2.43	
		EERd		6.66		6.34	
		Power input	kW	0.276		0.383	
	C Condition (25°C - 27/19)	Pdc	kW	1.18		1.56	
		EERd		10.4		10.0	
		Power input	kW	0.113		0.156	
	D Condition (20°C - 27/19)	Pdc	kW	0.980		1.04	
		EERd		13.6		15.2	
		Power input	kW	0.072		0.069	

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Space heating (Average climate)	TOL	Tol (temperature operating limit)			°C			-15
		Pdh (declared heating cap)			kW			2.14
		COPd (declared COP)				2.29		2.09
		Power input			kW	0.934		1.02
	TBivalent	Tbiv (bivalent temperature)			°C			2
		Pdh (declared heating cap)			kW	3.55		3.62
		COPd (declared COP)				0.597		0.610
		Power input			kW	2.12		2.21
	A Condition (-7°C)	Pdh (declared heating cap)			kW	3.55		3.62
		COPd (declared COP)				0.597		0.610
		Power input			kW	1.29		1.35
	B Condition (2°C)	Pdh (declared heating cap)			kW	5.23		5.33
		COPd (declared COP)				0.247		0.253
		Power input			kW			1.11
	C Condition (7°C)	Pdh (declared heating cap)			kW	6.33		6.49
		COPd (declared COP)				0.175		0.171
	Space heating (Average climate)	C Condition (7°C)	Power input			kW	1.02	
D Condition (12°C)		Pdh (declared heating cap)			kW	7.80		7.54
		COPd (declared COP)				0.131		0.149
		Power input			kW			0.150
Space heating (Warm climate)	TOL	Tol (temperature operating limit)			°C			-20
		Pdh (declared heating cap)			kW			2.14
		COPd (declared COP)				2.29		2.05
		Power input			kW	0.934		1.04
	TBivalent	Tbiv (bivalent temperature)			°C			2
		Pdh (declared heating cap)			kW	1.29		1.35
		COPd (declared COP)				5.23		5.24
		Power input			kW	0.247		0.258
	B Condition (2°C)	Pdh (declared heating cap)			kW	1.29		1.35
		COPd (declared COP)				5.23		5.24
		Power input			kW	0.247		0.258
	C Condition (7°C)	Pdh (declared heating cap)			kW			1.11
		COPd (declared COP)				6.33		6.38
		Power input			kW	0.175		0.174
	D Condition (12°C)	Pdh (declared heating cap)			kW	1.02		1.12
		COPd (declared COP)				7.80		7.41
		Power input			kW	0.131		0.151
Power consumption in other than active mode	Crankcase heater mode	PCK			W			0.00
		Off mode			POFF	W	1.00	
	Standby mode	Cooling	PSB	W			1.00	
		Heating	PSB	W			1.0	
	Thermo-stat-off mode	PTO	Cooling	W			6	
			Heating	W	7	6		
Cooling	Cdc (Degradation cooling)						0.25	
Heating	Cdh (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)	58	61		
		Cooling	Nom.	dB(A)	57	58		
Eurovent	Piping length	Cooling	Measuring condition	m			5.0	

Electrical specifications					ATXD25A + ARXD25A	ATXD35A + ARXD35A
Current - 50Hz	Maximum fuse amps (MFA)			A	13	

See separate drawing for electrical data |

Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB, outdoor temperature: 35°CDB, equivalent refrigerant piping: 5m, level difference: 0m. Data for high efficiency series, Eurovent certified |

Nominal heating capacities are based on: indoor temperature: 20°CDB, outdoor temperature: 7°CDB, 6°CWB, equivalent refrigerant piping: 5m, level difference: 0m. Data for standard efficiency series

Technical Specifications					ARXD25A	ARXD35A
Casing	Colour				Ivory white	

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Technical Specifications					ARXD25A	ARXD35A
Dimensions	Unit	Height	mm		550	
		Width	mm		765	
		Depth	mm		285	
	Packed unit	Height	mm		612	
		Width	mm		906	
		Depth	mm		402	
Weight	Unit		kg		32	
	Packed unit		kg		34	
Heat exchanger	Length		mm		805	
	Rows	Quantity			2	
	Fin pitch		mm		1.40	
	Stages	Quantity			24	
	Passes	Quantity			3.0	
	Tube type				ø7 Hi-XD	
	Fin	Type			Waffle fin (PE)	
Fan	Type				Propeller fan	
	Air flow rate	Cooling	Nom.	cfm	28	36
			Medium	m ³ /min	999	1,271
	Heating	Nom.	m ³ /min		28.3	
			cfm		999	
Fan motor	Model				DFC05A3VA	
	Output		W		50	
	Speed	Cooling	High	rpm	860	920
			Nom.	rpm	860	920
			Low	rpm	640	
	Heating	High		rpm	860	
			Nom.	rpm	800	
			Low	rpm	400	
Compressor	Model				1YC25GXD#D	
	Type				Hermetically sealed swing compressor	
	Output		W		800.0	
Operation range	Cooling	Ambient	Min.	°CDB	-10	
			Max.	°CDB	50	
	Heating	Ambient	Min.	°CDB	-20	
			Max.	°CDB	24	
Sound power level	Heating	Nom.		dBA	59.0	61.0
Sound pressure level	Cooling	Nom.		dBA	46	49
	Heating	Nom.		dBA	47	49
Refrigerant	Type				R-32	
	Charge		kg		0.76	
	Control				Expansion valve	
	GWP				675.0	
Piping connections	Liquid	OD	mm		6	
	Gas	OD	mm		9.50	
	Drain	OD	mm		18	
	Piping length	OU - IU	Max.	m	20	
	Additional refrigerant charge		kg/m		0.02 (for piping length exceeding 10m)	
	Level difference	IU - OU	Max.	m	15.0	
	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: General safety precautions;Quantity: 1;

Electrical Specifications					ARXD25A	ARXD35A
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	
Current - 50Hz	Maximum fuse amps (MFA)		A		13	

Contains fluorinated greenhouse gases |

See separate drawing for operation range |

See separate drawing for electrical data