



Air Conditioning Technical Data RXTM-A



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RXTM-A

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1 Features

1 - 1 RXTM-A

- › Guaranteed heating operation at low ambient temperature, down to -30°C
- › Developed for regions with severe winter conditions

1**-30°**

Guaranteed
operation
down to -30°C

2 Specifications

2 - 1 Specifications

Technical Specifications					RXTM30A	RXTM40A	
Casing	Colour				Ivory white		
Dimensions	Unit	Height	mm		605		
		Width	mm		930		
		Depth	mm		376		
	Packed unit	Height	mm		662		
		Width	mm		991		
		Depth	mm		435		
Weight	Unit	kg		42			
	Packed unit	kg		45			
Packing	Weight	kg		3			
Heat exchanger	Length	mm		889			
	Rows	Quantity		2			
	Fin pitch	mm		1.40			
	Stages	Quantity		26			
	Passes	Quantity		4.0			
	Tube type			7.0 Hi-XD			
	Tube diameter	mm		7			
	Fin	Type		Waffle fin (PE)			
	Fan	Type			Propeller fan		
		Air flow rate	Cooling	High	m ³ /min	41.5	
cfm					1,466		
Nom.				m ³ /min	41.5		
				cfm	1,466		
Medium				m ³ /min	38.0		
				cfm	1,342		
Low			m ³ /min	38.0			
			cfm	1,342			
Heating			High	m ³ /min	41.5		
				cfm	1,466		
			Nom.	m ³ /min	41.5	32.9	
				cfm	1,466	1,162	
		Medium	m ³ /min	32.9			
	cfm		1,162				
Low	m ³ /min	17.6					
	cfm	622					
Silent operation	m ³ /min	17.6					
	cfm	622					
Fan motor	Model			DFC09A2VA			
	Output	W		90			
	Speed	Cooling	High	rpm	870		
			Nom.	rpm	870		
			Medium	rpm	800		
			Low	rpm	800		
			Super low	rpm	800		
		Heating	High	rpm	870		
			Nom.	rpm	870	700	
			Low	rpm	400		
Super low	rpm	400					
Medium	rpm	700					
Compressor	Model			2Y147BKCX1P#D			
	Oil Amount	cm ³		430			
	Type			Hermetically sealed swing compressor			
	Output	W		1,300.0			
	Oil Type			FW50DA			
Operation range	Cooling	Ambient	Min.	°CDB	-10		
			Max.	°CDB	46		
	Heating	Ambient	Min.	°CWB	-31		
			Max.	°CWB	18		
					°CDB	24	
Sound power level	Cooling	Nom.	dBA		60.0		
	Heating	Nom.	dBA		60.0		
Sound power level - Low sound mode (Stb. 2020, 189)	Cooling	Max.	dBA		60		
		Night quiet mode	dBA		55.0		
	Heating	Max.	dBA		60		
		Night quiet mode	dBA		55.0		
		Tonal adjustment	dBA		0		
Sound pressure level	Cooling	Nom.	dBA		48.0		
	Heating	Nom.	dBA		49.0		

2 Specifications

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Technical Specifications				RXTM30A	RXTM40A	
Refrigerant	Type			R-32		
	Charge	kg		0.97		
Refrigerant	Charge	tCO ₂ Eq		0.66		
	Control			Expansion valve		
	GWP			675.0		
Piping connections	Liquid	OD	mm	6.35		
	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: Installation manual;Quantity: 1;

Standard accessories: Refrigerant charge label;Quantity: 1;

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

Electrical Specifications				RXTM30A	RXTM40A
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		16	

 Contains fluorinated greenhouse gases |
 See separate drawing for operation range |
 See separate drawing for electrical data

2 Specifications

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Technical specifications			FTXTM30A + RXTM30A	FTXTM40A + RXTM40A
Cooling capacity	Min.	kW		1.2
	Min.	Btu/h		4,100
	Min.	kcal/h		1,032
	Nom.	kW	3	4
	Nom.	Btu/h	10,200	13,600
	Nom.	kcal/h	2,580	3,439
	Max.	kW	4.6	5.2
	Max.	Btu/h	15,700	17,700
	Max.	kcal/h	3,955	4,471
Cooling capacity - Low sound mode (Stb. 2020, 189)	Min.	kW		1.2
	Min.	Btu/h		4,100
	Min.	kcal/h		1,032
	Nom.	kW	3	4
	Nom.	Btu/h	10,200	13,600
	Nom.	kcal/h	2,580	3,439
	Max.	kW	4.6	5.2
	Max.	Btu/h	15,700	17,700
	Max.	kcal/h	3,955	4,471
Heating capacity	Min.	kW	0.8	0.9
	Min.	Btu/h	2,700	3,100
	Min.	kcal/h	688	774
	Nom.	kW	3.2	4
	Nom.	Btu/h	10,900	13,600
	Nom.	kcal/h	2,752	3,439
	Max.	kW	7.4	8.8
	Max.	Btu/h	25,200	30,000
	Max.	kcal/h	6,363	7,567
Heating capacity - Low sound mode (Stb. 2020, 189)	Min.	kW	0.8	0.9
	Min.	Btu/h	2,700	3,100
	Min.	kcal/h	688	774
	Nom.	kW	3.2	4
	Nom.	Btu/h	10,900	13,600
	Nom.	kcal/h	2,752	3,439
	Max.	kW	5.7	6.1
	Max.	Btu/h	19,500	20,800
	Max.	kcal/h	4,901	5,245
Power input	Cooling	Nom. kW	0.58	0.85
	Heating	Nom. kW	0.6	0.73
Nominal efficiency	EER		5.13	4.71
	COP		5.3	5.51
	Annual energy consumption	kWh	292	425
	Energy labeling Directive	Cooling Heating		A A
Nominal efficiency - Low sound mode (Stb. 2020, 189)	EER		5.13	4.71
	COP		5.3	5.51
	Annual energy consumption	kWh	292	425
Space cooling	Energy efficiency class			A+++
	Capacity	Pdesign kW	3	4
	SEER		8.65	8.95
	Annual energy consumption	kWh/a	121	156
Space cooling - Low sound mode (Stb. 2020, 189)	Capacity	Pdesign kW	3	4
	SEER		8.65	8.95
	Annual energy consumption	kWh/a	121	156
Space heating (Average climate)	Capacity	Pdesign kW	3	3.8
	Energy efficiency class			A+++
	SCOP/A		5.35	5.5
	SCOPnet/A		5.36	5.51
	Pdh Heating capacity at -10°	kW	3	3.8
	Annual energy consumption	kWh/a	785	967
	Required back up heating cap at design conditions	kW		0
	Capacity	Pdesign kW	3	3.8
Space heating (Average climate) - Low sound mode (Stb. 2020, 189)	SCOP/A		5.35	5.5
	SCOPnet/A		5.36	5.51
	Pdh Heating capacity at -10°	kW	3	3.8
	Annual energy consumption	kWh/a	785	967
	Required back up heating cap at design conditions	kW		0

2 Specifications

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Technical specifications				FTXTM30A + RXTM30A	FTXTM40A + RXTM40A		
Space heating (Cold climate)	Capacity	Pdesignh	kW	4.38	5.55		
	Energy efficiency class			A+			
	SCOP/C			4.23	4.42		
	SCOPnet/C			4.28	4.47		
	Annual energy consumption			kWh/a	2,176	2,639	
Space heating (Cold climate)	Required back up heating cap at design conditions		kW	0.8	1.02		
Space cooling	A Condition (35°C - 27/19)	Pdc	kW	3	4		
		EERd		5.13	4.71		
		Power input	kW	0.58	0.85		
	B Condition (30°C - 27/19)	Pdc	kW	2.22	2.95		
		EERd		7.43	7.21		
		Power input	kW	0.3	0.41		
	C Condition (25°C - 27/19)	Pdc	kW	1.59	1.9		
		EERd		10.35	11.2		
		Power input	kW	0.15	0.17		
	D Condition (20°C - 27/19)	Pdc	kW	1.62	1.69		
		EERd		13.01	13.09		
		Power input	kW	0.12	0.13		
	Space cooling - Low sound mode (Stb. 2020, 189)	A Condition (35°C - 27/19)	Pdc	kW	3	4	
			EERd		5.13	4.71	
			Power input	kW	0.58	0.85	
B Condition (30°C - 27/19)		Pdc	kW	2.22	2.95		
		EERd		7.43	7.21		
		Power input	kW	0.3	0.41		
C Condition (25°C - 27/19)		Pdc	kW	1.59	1.9		
		EERd		10.35	11.2		
		Power input	kW	0.15	0.17		
D Condition (20°C - 27/19)		Pdc	kW	1.62	1.69		
		EERd		13.01	13.09		
		Power input	kW	0.12	0.13		
Space heating (Average climate)		TOL	Tol (temperature operating limit)		°C	-30	
		TBivalent	Tbiv (bivalent temperature)		°C	-10	
			Pdh (declared heating cap)		kW	3	3.8
	COPd (declared COP)			3.26	3.22		
	Power input		kW	0.92	1.18		
	A Condition (-7°C)	Pdh (declared heating cap)		kW	2.66	3.37	
		COPd (declared COP)			3.65	3.71	
		Power input		kW	0.74	0.91	
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.62	2.05	
		COPd (declared COP)			5.44	5.55	
		Power input		kW	0.3	0.37	
	C Condition (7°C)	Pdh (declared heating cap)		kW	1.19	1.32	
		COPd (declared COP)			6.51	6.61	
		Power input		kW	0.18	0.2	
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.38	1.6	
		COPd (declared COP)			8.25	8.55	
		Power input		kW	0.17	0.19	
	E condition (-10°C)	Pdh (declared heating cap)		kW	3	4	
		COPd (declared COP)			3.26	3.22	
		Power input		kW	0.92	1.18	
	Space heating (Average climate) - Low sound mode (Stb. 2020, 189)	TOL	Tol (temperature operating limit)		°C	-30	
		TBivalent	Tbiv (bivalent temperature)		°C	-10	
			Pdh (declared heating cap)		kW	3	3.8
			COPd (declared COP)			3.26	3.22
			Power input		kW	0.92	1.18
		A Condition (-7°C)	Pdh (declared heating cap)		kW	2.66	3.37
			COPd (declared COP)			3.65	3.71
Power input			kW	0.74	0.91		
B Condition (2°C)		Pdh (declared heating cap)		kW	1.62	2.05	
		COPd (declared COP)			5.44	5.55	
		Power input		kW	0.3	0.37	
C Condition (7°C)		Pdh (declared heating cap)		kW	1.19	1.32	
		COPd (declared COP)			6.51	6.61	
		Power input		kW	0.18	0.2	
D Condition (12°C)		Pdh (declared heating cap)		kW	1.38	1.6	
		COPd (declared COP)			8.25	8.55	
		Power input		kW	0.17	0.19	
E condition (-10°C)		Pdh (declared heating cap)		kW	3	3.8	
		COPd (declared COP)			3.26	3.22	
		Power input		kW	0.92	1.18	

2 Specifications

2 - 1 Specifications

Technical specifications				FTXTM30A + RXTM30A		FTXTM40A + RXTM40A	
Space heating (Cold climate)	TOL	Tol (temperature operating limit)		°C	-30		
	TBivalent	Tbiv (bivalent temperature)		°C	-15		
		Pd _h (declared heating cap)		kW	3.58	4.53	
		COP _d (declared COP)			2.06	2.35	
	Power input		kW	1.74	1.93		
	A Condition (-7°C)	Pd _h (declared heating cap)		kW	2.66	3.37	
COP _d (declared COP)			3.65	3.71			
Power input		kW	0.74	0.91			
B Condition (2°C)	Pd _h (declared heating cap)		kW	1.62	2.05		
	COP _d (declared COP)			5.44	5.55		
Space heating (Cold climate)	B Condition (2°C)	Power input		kW	0.3	0.37	
		C Condition (7°C)	Pd _h (declared heating cap)		kW	1.19	1.32
	COP _d (declared COP)			6.51	6.61		
	Power input		kW	0.18	0.2		
	D Condition (12°C)	Pd _h (declared heating cap)		kW	1.38	1.6	
		COP _d (declared COP)			8.25	8.55	
		Power input		kW	0.17	0.19	
	E condition (-22°C)	Pd _h (declared heating cap)		kW	3.58	4.53	
		COP _d (declared COP)			1.68	2.15	
		Power input		kW	2.13	2.11	
	G Condition (-15°C)	Pd _h (declared heating cap)		kW	3.58	4.53	
		COP _d (declared COP)			2.06	2.35	
Power input		kW	1.74	1.93			
Space heating (Average climate) - Low sound mode (Stb. 2020, 189)	E condition (-10°C)	Pd _h (declared heating cap)		kW	3	3.8	
		COP _d (declared COP)			3.26	3.22	
		Power input		kW	0.92	1.18	
Power consumption in other than active mode	Crankcase heater mode	PCK		W	0		
		POFF		W	1		
	Standby mode	Cooling	PSB	W	1		
		Heating	PSB	W	1		
	Thermo-stat-off mode	PTO	Cooling	W	7	10	
Heating			W	8	11		
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				Yes			
Warm season included				No			
Eurovent	Sound power level outdoor	Cooling	Nom.	dB(A)	60		
		Cooling	Nom.	dB(A)	59	60	
	Piping length	Cooling	Measuring condition	m	5		

Electrical specifications				FTXTM30A + RXTM30A		FTXTM40A + RXTM40A	
Power factor	Nominal	Cooling	%	89.21	97.2		
		Heating	%	89	97.36		
Current	Nominal running current (RLA)	Cooling	A	2.82	3.8		
		Heating	A	2.99	3.26		
Current - 50Hz	Maximum fuse amps (MFA)		A	16			

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

2 Specifications

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Technical specifications			FTXTM30R + RXTM30A	FTXTM40R + RXTM40A	
Cooling capacity	Min.	kW	0.70	0.90	
	Min.	Btu/h	2,400	3,100	
	Min.	kcal/h	602	774	
	Nom.	kW	3.00	4.00	
	Nom.	Btu/h	10,200	13,600	
	Nom.	kcal/h	2,580	3,439	
	Max.	kW	4.50	5.10	
	Max.	Btu/h	15,400	17,400	
	Max.	kcal/h	3,869	4,385	
Heating capacity	Min.	kW	0.80	1.20	
	Min.	Btu/h	2,700	4,100	
	Min.	kcal/h	700	1,000	
	Nom.	kW	3.20	4.00	
	Nom.	Btu/h	10,900	13,600	
	Nom.	kcal/h	2,752	3,439	
	Max.	kW	6.70	7.20	
	Max.	Btu/h	22,900	24,600	
	Max.	kcal/h	5,761	6,191	
Power input	Cooling	Nom. kW	0.73	1.08	
	Heating	Nom. kW	0.60	0.74	
Nominal efficiency	EER		4.10	3.71	
	COP		5.34	5.37	
	Annual energy consumption	kWh	366	539	
	Energy labeling Directive	Cooling Heating		A A	
Space cooling	Energy efficiency class			A++	
	Capacity Pdesign	kW	3.00	4.00	
	SEER		7.60	7.70	
	Annual energy consumption	kWh/a	138	182	
Space heating (Average climate)	Capacity Pdesign	kW	3.00	3.80	
	Energy efficiency class			A+++	
	SCOP/A		5.12	5.30	
	SCOPnet/A		5.13	5.32	
Space heating (Average climate)	Pdh Heating capacity at -10°	kW	3.00	3.80	
	Annual energy consumption	kWh/a	821	1,003	
	Required back up heating cap at design conditions	kW		0.00	
Space heating (Cold climate)	Capacity Pdesignh	kW	4.38	5.55	
	Energy efficiency class			A+	
	SCOP/C		4.05	4.16	
	SCOPnet/C		4.11	4.23	
	Annual energy consumption	kWh/a	2,271	2,803	
	Required back up heating cap at design conditions	kW	1.03	1.47	
Space cooling	A Condition (35°C - 27/19)	Pdc	kW	3.00	4.00
		EERd		4.10	3.71
		Power input	kW	0.73	1.08
	B Condition (30°C - 27/19)	Pdc	kW	2.22	2.95
		EERd		5.65	5.85
		Power input	kW	0.39	0.50
	C Condition (25°C - 27/19)	Pdc	kW	1.43	1.90
		EERd		9.27	9.75
		Power input	kW	0.15	0.19
	D Condition (20°C - 27/19)	Pdc	kW	1.43	1.69
		EERd		13.10	12.23
		Power input	kW	0.11	0.14
Space heating (Average climate)	TBivalent	Tol (temperature operating limit)	°C	-10	-10
		Tbiv (bivalent temperature)	°C		
	A Condition (-7°C)	Pdh (declared heating cap)	kW	3.00	3.80
		COPd (declared COP)		3.05	2.91
		Power input	kW	0.98	1.31
	B Condition (2°C)	Pdh (declared heating cap)	kW	2.66	3.37
		COPd (declared COP)		3.46	3.53
		Power input	kW	0.77	0.95
	C Condition (7°C)	Pdh (declared heating cap)	kW	1.62	2.05
		COPd (declared COP)		5.20	5.45
		Power input	kW	0.31	0.38
	D Condition (12°C)	Pdh (declared heating cap)	kW	1.04	1.47
		COPd (declared COP)		6.15	6.57
		Power input	kW	0.17	0.22
	D Condition (12°C)	Pdh (declared heating cap)	kW	1.26	1.74
COPd (declared COP)			7.64	7.78	
Power input		kW	0.16	0.22	

2 Specifications

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Technical specifications					FTXTM30R + RXTM30A		FTXTM40R + RXTM40A		
Space heating (Average climate)	E condition (-10°C)	Pd _h (declared heating cap)			kW		3.00		
		COP _d (declared COP)					3.05		
		Power input			kW		0.98		
Space heating (Cold climate)	TOL	Tol (temperature operating limit)			°C		-22		
		TBivalent	Tbiv (bivalent temperature)			°C		-15	
	Pd _h (declared heating cap)			kW		3.58			
	COP _d (declared COP)					2.03			
	Power input			kW		1.76			
	A Condition (-7°C)	Pd _h (declared heating cap)			kW		2.66		
		COP _d (declared COP)					3.46		
		Power input			kW		0.77		
	B Condition (2°C)	Pd _h (declared heating cap)			kW		1.62		
		COP _d (declared COP)					5.20		
		Power input			kW		0.31		
	C Condition (7°C)	Pd _h (declared heating cap)			kW		1.04		
		COP _d (declared COP)					6.15		
		Power input			kW		0.17		
	D Condition (12°C)	Pd _h (declared heating cap)			kW		1.26		
		COP _d (declared COP)					7.64		
		Power input			kW		0.16		
	E condition (-22°C)	Pd _h (declared heating cap)			kW		3.35		
		COP _d (declared COP)					1.65		
Power input			kW		2.03				
G Condition (-15°C)	Pd _h (declared heating cap)			kW		3.58			
	COP _d (declared COP)					2.03			
	Power input			kW		1.76			
Power consumption in other than active mode	Crankcase heater mode	PCK			W		0		
		Off mode	POFF			W		1	
	Standby mode		Cooling	PSB		W		1	
		Heating	PSB		W		1		
	Thermo-stat-off mode	PTO	Cooling			W		8	
			Heating			W		15	
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							Yes		
Warm season included							No		
Eurovent	Sound power level outdoor	Cooling	Nom.		dBA		61		
		Cooling	Nom.		dBA		60		
	Piping length	Cooling	Measuring condition		m		5.00		

Electrical specifications					FTXTM30R + RXTM30A		FTXTM40R + RXTM40A	
Power factor	Nominal	Cooling			%		98.16	
		Heating			%		94.03	
Current	Nominal running current (RLA) - 50Hz	Heating			A		2.83	
		Maximum fuse amps (MFA)			A		16.00	

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

2 Specifications

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Technical specifications				FTXTM30S + RXTM30A		FTXTM40S + RXTM40A	
Cooling capacity	Min.		kW			1.2	
	Min.		Btu/h			4,100	
	Min.		kcal/h			1,032	
	Nom.		kW	3		4	
	Nom.		Btu/h	10,200		13,600	
	Nom.		kcal/h	2,580		3,439	
	Max.		kW	4.6		5.2	
	Max.		Btu/h	15,700		17,700	
	Max.		kcal/h	3,955		4,471	
Cooling capacity - Low sound mode (Stb. 2020, 189)	Min.		kW			1.2	
	Min.		Btu/h			4,100	
	Min.		kcal/h			1,032	
	Nom.		kW	3		4	
	Nom.		Btu/h	10,200		13,600	
	Nom.		kcal/h	2,580		3,439	
	Max.		kW	4.6		5.2	
	Max.		Btu/h	15,700		17,700	
	Max.		kcal/h	3,955		4,471	
Heating capacity	Min.		kW	0.8		0.9	
	Min.		Btu/h	2,700		3,100	
	Min.		kcal/h	688		774	
	Nom.		kW	3.2		4	
	Nom.		Btu/h	10,900		13,600	
	Nom.		kcal/h	2,752		3,439	
	Max.		kW	7.4		8.8	
	Max.		Btu/h	25,200		30,000	
	Max.		kcal/h	6,363		7,567	
Heating capacity - Low sound mode (Stb. 2020, 189)	Min.		kW	0.8		0.9	
	Min.		Btu/h	2,700		3,100	
	Min.		kcal/h	688		774	
	Nom.		kW	3.2		4	
	Nom.		Btu/h	10,900		13,600	
	Nom.		kcal/h	2,752		3,439	
	Max.		kW	7.4		8.8	
	Max.		Btu/h	25,200		30,000	
	Max.		kcal/h	6,363		7,567	
Heating capacity - Low sound mode (Stb. 2020, 189)	Max.		Btu/h	25,200		30,000	
	Max.		kcal/h	6,363		7,567	
Power input	Cooling	Nom.	kW	0.58		0.85	
	Heating	Nom.	kW	0.62		0.73	
Power input - Low sound mode (Stb. 2020, 189)	Cooling	Nom.	kW	0.58		0.85	
	Heating	Nom.	kW	0.62		0.73	
Nominal efficiency	EER			5.13		4.71	
	COP			5.2		5.51	
	Annual energy consumption		kWh	292		425	
	Energy labeling Directive	Cooling				A	
	Heating				A		
Nominal efficiency - Low sound mode (Stb. 2020, 189)	EER			5.13		4.71	
	COP			5.2		5.51	
	Annual energy consumption		kWh	292		425	
Space cooling	Energy efficiency class					A+++	
	Capacity	Pdesign	kW	3		4	
	SEER			8.65		8.93	
	Annual energy consumption		kWh/a	121		157	
Space cooling - Low sound mode (Stb. 2020, 189)	Capacity	Pdesign	kW	3		4	
	SEER			8.65		8.93	
	Annual energy consumption		kWh/a	121		157	
Space heating (Average climate)	Capacity	Pdesign	kW	3		3.8	
	Energy efficiency class					A+++	
	SCOP/A			5.2		5.5	
	SCOPnet/A			5.21		5.51	
	Pdh Heating capacity at -10°		kW	3		3.8	
	Annual energy consumption		kWh/a	807		967	
	Required back up heating cap at design conditions		kW			0	
	Capacity	Pdesign	kW	3		3.8	
Space heating (Average climate) - Low sound mode (Stb. 2020, 189)	SCOP/A			5.2		5.5	
	SCOPnet/A			5.21		5.51	
	Pdh Heating capacity at -10°		kW	3		3.8	
	Annual energy consumption		kWh/a	807		967	
	Required back up heating cap at design conditions		kW			0	
	Capacity	Pdesign	kW	4.38		5.55	
Space heating (Cold climate)	Energy efficiency class					A+	
	SCOP/C			4.14		4.42	

2 Specifications

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Technical specifications			FTXTM30S + RXTM30A	FTXTM40S + RXTM40A			
Space heating (Cold climate)	SCOPnet/C		4.19	4.47			
	Annual energy consumption	kWh/a	2,222	2,640			
	Required back up heating cap at design conditions	kW	0.8	1.02			
Space cooling	A Condition (35°C - 27/19)	Pdc	3	4			
		EERd	5.13	4.71			
		Power input	kW	0.58	0.85		
	B Condition (30°C - 27/19)	Pdc	kW	2.22	2.95		
		EERd		7.43	7.21		
		Power input	kW	0.3	0.41		
	C Condition (25°C - 27/19)	Pdc	kW	1.59	1.9		
		EERd		10.35	11.15		
		Power input	kW	0.15	0.17		
	D Condition (20°C - 27/19)	Pdc	kW	1.62	1.69		
		EERd		13.01	13.09		
		Power input	kW	0.12	0.13		
Space cooling - Low sound mode (Stb. 2020, 189)	A Condition (35°C - 27/19)	Pdc	kW	3	4		
		EERd		5.13	4.71		
		Power input	kW	0.58	0.85		
	B Condition (30°C - 27/19)	Pdc	kW	2.22	2.95		
		EERd		7.43	7.21		
		Power input	kW	0.3	0.41		
	C Condition (25°C - 27/19)	Pdc	kW	1.59	1.9		
		EERd		10.35	11.15		
		Power input	kW	0.15	0.17		
	D Condition (20°C - 27/19)	Pdc	kW	1.62	1.69		
		EERd		13.01	13.09		
		Power input	kW	0.12	0.13		
Space heating (Average climate)	TOL	Tol (temperature operating limit)	°C	-30			
	TBivalent	Tbiv (bivalent temperature)	°C	-10			
		Pdh (declared heating cap)	kW	3	3.8		
		COPd (declared COP)		3.26	3.22		
	A Condition (-7°C)	Power input	kW	0.92	1.18		
		Pdh (declared heating cap)	kW	2.66	3.37		
		COPd (declared COP)		3.6	3.71		
	B Condition (2°C)	Power input	kW	0.74	0.91		
		Pdh (declared heating cap)	kW	1.62	2.05		
		COPd (declared COP)		5.24	5.55		
	Space heating (Average climate)	B Condition (2°C)	Power input	kW	0.31	0.37	
			C Condition (7°C)	Pdh (declared heating cap)	kW	1.13	1.32
				COPd (declared COP)		6.18	6.61
		Power input		kW	0.18	0.2	
		D Condition (12°C)	Pdh (declared heating cap)	kW	1.34	1.6	
			COPd (declared COP)		7.97	8.55	
			Power input	kW	0.17	0.19	
		E condition (-10°C)	Pdh (declared heating cap)	kW	3	3.8	
COPd (declared COP)				3.26	3.22		
Power input			kW	0.92	1.18		
Space heating (Average climate) - Low sound mode (Stb. 2020, 189)		TOL	Tol (temperature operating limit)	°C	-30		
		TBivalent	Tbiv (bivalent temperature)	°C	-10		
	Pdh (declared heating cap)		kW	3	3.8		
	COPd (declared COP)			3.26	3.22		
	A Condition (-7°C)	Power input	kW	0.92	1.18		
		Pdh (declared heating cap)	kW	2.66	3.37		
		COPd (declared COP)		3.6	3.71		
	B Condition (2°C)	Power input	kW	0.74	0.91		
		Pdh (declared heating cap)	kW	1.62	2.05		
		COPd (declared COP)		5.24	5.55		
	C Condition (7°C)	Power input	kW	0.31	0.37		
		Pdh (declared heating cap)	kW	1.13	1.32		
		COPd (declared COP)		6.18	6.61		
	D Condition (12°C)	Power input	kW	0.18	0.2		
		Pdh (declared heating cap)	kW	1.34	1.6		
		COPd (declared COP)		7.97	8.55		
	E condition (-10°C)	Power input	kW	0.17	0.19		
		Pdh (declared heating cap)	kW	3	3.8		
COPd (declared COP)			3.26	3.22			
	Power input	kW	0.92	1.18			

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Technical specifications				FTXTM30S + RXTM30A	FTXTM40S + RXTM40A		
Space heating (Cold climate)	TOL	Tol (temperature operating limit) °C			-30		
	TBivalent	Tbiv (bivalent temperature) °C			-15		
		Pd _h (declared heating cap) kW		3.58	4.53		
		COP _d (declared COP)		2.06	2.35		
	Power input kW		1.74	1.93			
A Condition (-7°C)	Pd _h (declared heating cap) kW		2.66	3.37			
	COP _d (declared COP)		3.6	3.71			
	Power input kW		0.74	0.91			
Space heating (Cold climate)	B Condition (2°C)	Pd _h (declared heating cap) kW		1.62	2.05		
		COP _d (declared COP)		5.24	5.55		
		Power input kW		0.31	0.37		
	C Condition (7°C)	Pd _h (declared heating cap) kW		1.13	1.32		
		COP _d (declared COP)		6.18	6.61		
		Power input kW		0.18	0.2		
	D Condition (12°C)	Pd _h (declared heating cap) kW		1.34	1.6		
		COP _d (declared COP)		7.97	8.55		
		Power input kW		0.17	0.19		
	E condition (-22°C)	Pd _h (declared heating cap) kW		3.58	4.53		
		COP _d (declared COP)		1.68	2.12		
		Power input kW		2.13	2.14		
	G Condition (-15°C)	Pd _h (declared heating cap) kW		3.58	4.53		
		COP _d (declared COP)		2.06	2.35		
		Power input kW		1.74	1.93		
Space heating (Average climate) - Low sound mode (Stb. 2020, 189)	E condition (-10°C)	Pd _h (declared heating cap) kW		3	3.8		
		COP _d (declared COP)		3.26	3.22		
		Power input kW		0.92	1.18		
Power consumption in other than active mode	Crankcase heater mode	PCK		W		0	
		POFF		W		1	
	Standby mode	Cooling	PSB		W		1
		Heating	PSB		W		1
	Thermo-stat-off mode	PTO	Cooling	W		7	10
Heating			W		8	11	
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				Yes			
Warm season included				No			
Eurovent	Piping length	Cooling	Measuring condition	m		5	

Electrical specifications				FTXTM30S + RXTM30A	FTXTM40S + RXTM40A
Power factor	Nominal	Cooling	%	89.21	97.2
		Heating	%	89	97.36
Current	Nominal running current (RLA)	Cooling	A	2.99	2.84
		Heating	A	3.03	3.35
Current - 50Hz	Maximum fuse amps (MFA)		A	16	

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

Technical specifications				FVXTM30A + RXTM30A
Cooling capacity	Min.	kW		1.2
	Min.	Btu/h		4,100
	Min.	kcal/h		1,032
	Nom.	kW		3
	Nom.	Btu/h		10,200
	Nom.	kcal/h		2,580
	Max.	kW		4.4
	Max.	Btu/h		15,000
	Max.	kcal/h		3,783

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Technical specifications				FVXTM30A + RXTM30A
Cooling capacity - Low sound mode (Stb. 2020, 189)	Min.		kW	1.2
	Min.		Btu/h	4,100
	Min.		kcal/h	1,032
	Nom.		kW	3
	Nom.		Btu/h	10,200
	Nom.		kcal/h	2,580
	Max.		kW	4.4
	Max.		Btu/h	15,000
Heating capacity	Min.		kW	1.2
	Min.		Btu/h	4,100
	Min.		kcal/h	1,032
	Nom.		kW	3.2
	Nom.		Btu/h	10,900
	Nom.		kcal/h	2,752
	Max.		kW	6.2
	Max.		Btu/h	21,200
Heating capacity - Low sound mode (Stb. 2020, 189)	Min.		kW	1.2
	Min.		Btu/h	4,100
	Min.		kcal/h	1,032
	Nom.		kW	3.2
	Nom.		Btu/h	10,900
	Nom.		kcal/h	2,752
	Max.		kW	6.2
	Max.		Btu/h	21,200
Heating capacity - Low sound mode (Stb. 2020, 189)	Max.		kcal/h	5,331
	Max.		kcal/h	5,331
Power input	Cooling	Nom.	kW	0.69
	Heating	Nom.	kW	0.72
Power input - Low sound mode (Stb. 2020, 189)	Cooling	Nom.	kW	0.69
	Heating	Nom.	kW	0.72
Nominal efficiency	EER			4.35
	COP			4.45
	Annual energy consumption		kWh	345
	Energy labeling	Cooling		A
	Directive	Heating		A
Nominal efficiency - Low sound mode (Stb. 2020, 189)	EER			4.35
	COP			4.45
	Annual energy consumption		kWh	345
Space cooling	Energy efficiency class			A++
	Capacity	Pdesign	kW	3
	SEER			7.5
	Annual energy consumption		kWh/a	140
Space cooling - Low sound mode (Stb. 2020, 189)	Capacity	Pdesign	kW	3
	SEER			7.5
	Annual energy consumption		kWh/a	140
Space heating (Average climate)	Capacity	Pdesign	kW	3
	Energy efficiency class			A++
	SCOP/A			4.75
	SCOPnet/A			4.76
	Pdh Heating capacity at -10°		kW	3
	Annual energy consumption		kWh/a	884
	Required back up heating cap at design conditions		kW	0
	Capacity	Pdesign	kW	3
Space heating (Average climate) - Low sound mode (Stb. 2020, 189)	SCOP/A			4.75
	SCOPnet/A			4.76
	Pdh Heating capacity at -10°		kW	3
	Annual energy consumption		kWh/a	884
	Required back up heating cap at design conditions		kW	0
Space heating (Cold climate)	Capacity	Pdesignh	kW	4.38
	Energy efficiency class			A
	SCOP/C			3.7
Space heating (Cold climate)	SCOPnet/C			3.74
	Annual energy consumption		kWh/a	2,483
	Required back up heating cap at design conditions		kW	0.8

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Technical specifications				FVXTM30A + RXTM30A	
Space cooling	A Condition (35°C - 27/19)	Pdc	kW	3	
		EERd		4.35	
		Power input	kW	0.69	
	B Condition (30°C - 27/19)	Pdc	kW	2.22	
		EERd		6.17	
		Power input	kW	0.36	
	C Condition (25°C - 27/19)	Pdc	kW	1.43	
		EERd		9.46	
		Power input	kW	0.15	
	D Condition (20°C - 27/19)	Pdc	kW	1.41	
		EERd		10.21	
		Power input	kW	0.14	
Space cooling - Low sound mode (Stb. 2020, 189)	A Condition (35°C - 27/19)	Pdc	kW	3	
		EERd		4.35	
		Power input	kW	0.69	
	B Condition (30°C - 27/19)	Pdc	kW	2.22	
		EERd		6.17	
		Power input	kW	0.36	
	C Condition (25°C - 27/19)	Pdc	kW	1.43	
		EERd		9.46	
		Power input	kW	0.15	
	D Condition (20°C - 27/19)	Pdc	kW	1.41	
		EERd		10.21	
		Power input	kW	0.14	
Space heating (Average climate)	TOL	Tol (temperature operating limit)	°C	-30	
		Tbiv (bivalent temperature)	°C	-10	
	TBivalent	Pdh (declared heating cap)	kW	3	
		COPd (declared COP)		2.5	
		Power input	kW	1.2	
	A Condition (-7°C)	Pdh (declared heating cap)	kW	2.66	
		COPd (declared COP)		3.02	
		Power input	kW	0.88	
	B Condition (2°C)	Pdh (declared heating cap)	kW	1.62	
		COPd (declared COP)		4.71	
	Space heating (Average climate)	B Condition (2°C)	Power input	kW	0.34
			C Condition (7°C)	Pdh (declared heating cap)	kW
COPd (declared COP)					6.18
Power input		kW		0.18	
D Condition (12°C)		Pdh (declared heating cap)	kW	1.07	
		COPd (declared COP)		7.53	
		Power input	kW	0.14	
E condition (-10°C)		Pdh (declared heating cap)	kW	3	
		COPd (declared COP)		2.5	
		Power input	kW	1.2	
Space heating (Average climate) - Low sound mode (Stb. 2020, 189)		TOL	Tol (temperature operating limit)	°C	-30
			Tbiv (bivalent temperature)	°C	-10
	TBivalent	Pdh (declared heating cap)	kW	3	
		COPd (declared COP)		2.5	
		Power input	kW	1.2	
	A Condition (-7°C)	Pdh (declared heating cap)	kW	2.66	
		COPd (declared COP)		3.02	
		Power input	kW	0.88	
	B Condition (2°C)	Pdh (declared heating cap)	kW	1.62	
		COPd (declared COP)		4.71	
		Power input	kW	0.34	
	C Condition (7°C)	Pdh (declared heating cap)	kW	1.09	
COPd (declared COP)			6.18		
Power input		kW	0.18		
D Condition (12°C)	Pdh (declared heating cap)	kW	1.07		
	COPd (declared COP)		7.53		
	Power input	kW	0.14		
E condition (-10°C)	Pdh (declared heating cap)	kW	3		
	COPd (declared COP)		2.5		
	Power input	kW	1.2		
Space heating (Cold climate)	TOL	Tol (temperature operating limit)	°C	-30	
		Tbiv (bivalent temperature)	°C	-15	
	TBivalent	Pdh (declared heating cap)	kW	3.58	
		COPd (declared COP)		1.87	
		Power input	kW	1.91	
	A Condition (-7°C)	Pdh (declared heating cap)	kW	2.66	
		COPd (declared COP)		3.02	

2 Specifications

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Technical specifications				FVXTM30A + RXTM30A	
Space heating (Cold climate)	A Condition (-7°C)	Power input	kW	0.88	
		B Condition (2°C)	Pdh (declared heating cap)	kW	1.62
			COPd (declared COP)		4.71
	C Condition (7°C)	Power input	kW	0.34	
		D Condition (12°C)	Pdh (declared heating cap)	kW	1.09
			COPd (declared COP)		6.18
	E condition (-22°C)	Power input	kW	0.18	
		G Condition (-15°C)	Pdh (declared heating cap)	kW	1.07
			COPd (declared COP)		7.53
	Space heating (Average climate) - Low sound mode (Stb. 2020, 189)	E condition (-10°C)	Power input	kW	0.14
Pdh (declared heating cap)			kW	3.58	
COPd (declared COP)				1.74	
Power consumption in other than active mode	Crankcase heater mode	PCK	W	2.06	
		Off mode	POFF	W	0
	Standby mode	Cooling	PSB	W	1
		Heating	PSB	W	1
	Thermo-stat-off mode	PTO	Cooling	W	9
Heating			W	10	
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				Yes	
Warm season included				No	
Eurovent	Piping length	Cooling	Measuring condition	m	5

Electrical specifications				FVXTM30A + RXTM30A
Power factor	Nominal	Cooling	%	88.16
		Heating	%	96.72
Current	Nominal running current (RLA)	Cooling	A	2.98
		Heating	A	3.09
Current - 50Hz	Maximum fuse amps (MFA)			16

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

3 Electrical data

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RXTM-A

Unit combination restrictions		Power supply				COMP		OFM		IFM		
Indoor unit	Outdoor unit	Hz	Voltage	Voltage range	MCA	MFA	RHz	RLA	kW	FLA	kW	FLA
FTXTM30S2V1B	RXTM30A2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14.72	16	34	3.1	0.049	0.58	0.034	0.30
		50	230									
		50	240									
FTXTM40S2V1B	RXTM40A2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	15.05	16	44	2.9	0.049	0.58	0.052	0.60
		50	230									
		50	240									
FTXTJ30A2V1BW FTXTJ30A2V1BB	RXTJ30A2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14.66	16	36	3.1	0.049	0.58	0.029	0.25
		50	230									
		50	240									
FTXTA30C2V1BW FTXTA30C2V1BB	RXTA30C2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14.83	16	36	3.2	0.049	0.58	0.041	0.40
		50	230									
		50	240									
FVXTM30A3V1B FVXTM30B2V1B	RXTM30A2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14.54	16	36	3.0	0.049	0.58	0.037	0.14
		50	230									
		50	240									
FTXTP25N5V1B	RXTP25A2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14.88	16	34	3.5	0.049	0.58	0.037	0.45
		50	230									
		50	240									
FTXTP35N5V1B	RXTP35A2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14.88	16	44	4.7	0.049	0.58	0.037	0.45
		50	230									
		50	240									
FTXTM30A2V1B	RXTM30A2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14.73	16	32	3.1	0.049	0.58	0.033	0.31
		50	230									
		50	240									
FTXTM40A2V1B	RXTM40A2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	15.05	16	44	4	0.049	0.58	0.052	0.6
		50	230									
		50	240									
ATXTM30A2V1B	ARXTM30A2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14.73	16	32	3.1	0.049	0.58	0.033	0.31
		50	230									
		50	240									
FTXTP25A5V1B	RXTP25A2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14.88	16	26	3.5	0.049	0.58	0.037	0.45
		50	230									
		50	240									
FTXTP35A5V1B	RXTP35A2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14.88	16	40	4.6	0.049	0.58	0.037	0.45
		50	230									
		50	240									

Symbols

- MCA: Minimum Circuit Amperes [A]
- MFA: Maximum Fuse Amperes [A]
- RLA: Rated Load Amperes [A]
- OFM: Outdoor fan motor
- IFM: Indoor fan motor
- RHz: Rated operating frequency [Hz]
- FLA: Full Load Amperes [A]
- kW: Fan motor rated output [kW]
- COMP: Compressor

Notes

- 1) The -RLA- is based on the following conditions.
Outdoor temperature -35°C DB
Indoor temperature -27°C DB / -19°C WB
- 2) Select the wire size according to the MCA.
- 3) The maximum allowable voltage that is unbalanced between phases is -2%.
- 4) Use a circuit breaker instead of a fuse.

4D147511B

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FTXTM30S / RXTM30A

Cooling -50Hz 220-240V-

AFR	11.5
BF	0,18

Indoor air temperature		Outdoor temperature [°C DB]																	
		20			25			30			32			35			40		
[°C WB]	[°C DB]	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14	20	3,07	2,30	0,45	2,93	2,25	0,49	2,79	2,21	0,53	2,74	2,20	0,55	2,65	2,18	0,58	2,51	2,16	0,62
16	22	3,21	2,19	0,45	3,07	2,14	0,49	2,93	2,10	0,54	2,88	2,08	0,55	2,79	2,06	0,58	2,65	2,03	0,62
18	25	3,35	2,30	0,45	3,21	2,26	0,50	3,07	2,23	0,54	3,01	2,22	0,56	2,93	2,21	0,58	2,79	2,20	0,63
19	27	3,42	2,49	0,46	3,28	2,47	0,50	3,14	2,46	0,54	3,08	2,46	0,56	3,00	2,47	0,58	2,86	2,49	0,63
22	30	3,63	2,25	0,45	3,49	2,22	0,50	3,35	2,20	0,54	3,29	2,19	0,56	3,21	2,19	0,59	3,07	2,19	0,63
24	32	3,76	2,11	0,46	3,62	2,08	0,50	3,49	2,05	0,55	3,43	2,04	0,56	3,35	2,03	0,59	3,21	2,02	0,63

Heating -50Hz 220-240V-

AFR	11,6
-----	------

Indoor air temperature		Outdoor temperature [°C WB]															
		-25		-20		-15		-10		-5		0		6		10	
[°C DB]		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15		1,18	0,42	1,51	0,45	1,83	0,48	2,21	0,51	2,58	0,53	2,90	0,56	3,36	0,60	3,61	0,62
20		1,02	0,44	1,35	0,47	1,68	0,49	2,05	0,52	2,42	0,55	2,74	0,58	3,20	0,62	3,45	0,63
22		0,96	0,45	1,28	0,47	1,62	0,50	1,98	0,53	2,36	0,56	2,68	0,58	3,14	0,63	3,38	0,64
24		0,89	0,45	1,22	0,48	1,56	0,51	1,92	0,53	2,29	0,56	2,61	0,59	3,07	0,63	3,32	0,64
25		0,86	0,45	1,19	0,48	1,53	0,51	1,88	0,54	2,26	0,56	2,58	0,59	3,04	0,63	3,29	0,65
27		0,80	0,46	1,12	0,49	1,47	0,52	1,82	0,54	2,20	0,57	2,52	0,60	2,98	0,64	3,22	0,65

Heating capacity at nominal operating frequency, measured according to -EN14511-.

Indoor air temperature		Outdoor temperature [°C WB]															
		-25		-20		-15		-10		-5		0		6		10	
[°C DB]		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
20		3,60	2,20	4,40	2,48	4,80	2,54	5,30	2,58	5,69	2,60	6,49	2,63	7,40	2,67	7,67	2,70

Heating peak capacity at maximum operating frequency.

Symbols

AFR	Air flow rate [m ³ /min]
BF	Bypass factor
EWB	Entering wet-bulb temperature [°C WB]
EDB	Entering dry-bulb temperature [°C DB]
TC	Total capacity [kW]
SHC	Sensible heat capacity [kW]
PI	Power input [kW]

Notes

- The ratings shown are net capacities which include a deduction for indoor fan motor heat.
- Nominal capacity and nominal input
- The total capacity, power input and sensible heat capacity must be calculated by interpolation, using the figures in the table (figures not in the table may not be used in the calculation).
- In case the sensible heat capacity is not mentioned in the table, please calculate it using an approximation between two values in direct proportion.
- The capacities are based on the following conditions:
Corresponding refrigerant piping length: -5- m
Level difference: -0- m
- The air flow rate and bypass factor are mentioned in the table.

4D148083A

FVXTM30A / RXTM30A

FVXTM30A3V1B + RXTM30A2V1B
FVXTM30B2V1B + RXTM30A2V1B

Cooling -50Hz 220-240V-

AFR	9
BF	0,06

Indoor air temperature		Outdoor temperature [°C DB]																	
		20			25			30			32			35			40		
[°C WB]	[°C DB]	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14	20	3,01	2,39	0,53	2,87	2,35	0,58	2,73	2,33	0,63	2,68	2,33	0,65	2,65	2,32	0,68	2,45	2,33	0,73
16	22	3,15	2,26	0,53	3,01	2,22	0,58	2,87	2,19	0,63	2,82	2,18	0,65	2,79	2,18	0,69	2,59	2,16	0,74
18	25	3,29	2,41	0,54	3,15	2,38	0,59	3,01	2,38	0,64	2,95	2,38	0,66	2,93	2,38	0,69	2,73	2,40	0,74
19	27	3,36	2,65	0,54	3,22	2,66	0,59	3,08	2,69	0,64	3,02	2,71	0,66	3,00	2,72	0,69	2,80	2,80	0,74
22	30	3,57	2,37	0,54	3,43	2,36	0,59	3,29	2,36	0,64	3,23	2,36	0,66	3,21	2,37	0,69	3,01	2,41	0,75
24	32	3,70	2,20	0,54	3,56	2,18	0,60	3,43	2,17	0,65	3,37	2,17	0,67	3,35	2,17	0,70	3,15	2,19	0,75

Heating -50Hz 220-240V-

AFR	9,4
-----	-----

Indoor air temperature		Outdoor temperature [°C WB]															
		-25		-20		-15		-10		-5		0		7		10	
[°C DB]		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15		1,15	0,53	1,48	0,56	1,81	0,58	2,19	0,61	2,57	0,64	2,90	0,67	3,36	0,70	3,61	0,72
20		0,99	0,54	1,32	0,57	1,66	0,60	2,03	0,63	2,41	0,65	2,74	0,68	3,20	0,72	3,45	0,74
22		0,92	0,55	1,25	0,58	1,60	0,60	1,96	0,63	2,34	0,66	2,67	0,69	3,14	0,73	3,38	0,74
24		0,86	0,56	1,19	0,58	1,54	0,61	1,90	0,64	2,28	0,67	2,61	0,69	3,07	0,74	3,32	0,75
25		0,83	0,56	1,16	0,59	1,51	0,61	1,86	0,64	2,25	0,67	2,58	0,70	3,04	0,74	3,29	0,75
27		0,76	0,56	1,09	0,59	1,45	0,62	1,80	0,65	2,18	0,67	2,51	0,70	2,98	0,75	3,22	0,76

Heating capacity at nominal operating frequency, measured according to -EN14511-.

Indoor air temperature		Outdoor temperature [°C WB]															
		-25		-20		-15		-10		-5		0		7		10	
[°C DB]		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
20		3,05	2,17	3,80	2,34	4,30	2,62	4,90	2,58	5,24	2,49	5,79	2,23	6,20	2,03	6,31	2,01

Heating peak capacity at maximum operating frequency.

Symbols

AFR	Air flow rate [m ³ /min]
BF	Bypass factor
EWB	Entering wet-bulb temperature [°C WB]
EDB	Entering dry-bulb temperature [°C DB]
TC	Total capacity [kW]
SHC	Sensible heat capacity [kW]
PI	Power input [kW]

Notes

- The ratings shown are net capacities which include a deduction for indoor fan motor heat.
- Nominal capacity and nominal input
- The total capacity, power input and sensible heat capacity must be calculated by interpolation, using the figures in the table (figures not in the table may not be used in the calculation).
- In case the sensible heat capacity is not mentioned in the table, please calculate it using an approximation between two values in direct proportion.
- The capacities are based on the following conditions:
Corresponding refrigerant piping length: -5- m
Level difference: -0- m
- The air flow rate and bypass factor are mentioned in the table.

4D148103B

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

4

FTXTM30A / RXTM30A

FTXTM30A2V1B + RXTM30A2V1B

Cooling · 50Hz 220 -240V·

AFR	13.2
BF	0.18

Indoor air temperature		Outdoor temperature [°C DB]																	
		20			25			30			32			35			40		
[°C WB]	[°C DB]	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14	20	3.07	2.62	0.45	2.93	2.55	0.49	2.79	2.49	0.53	2.74	2.46	0.55	2.65	2.42	0.58	2.51	2.36	0.62
16	22	3.21	2.57	0.45	3.07	2.51	0.49	2.93	2.45	0.54	2.88	2.43	0.55	2.79	2.39	0.58	2.65	2.33	0.62
18	25	3.35	2.74	0.45	3.21	2.69	0.50	3.07	2.63	0.54	3.01	2.61	0.56	2.93	2.58	0.58	2.79	2.52	0.63
19	27	3.42	2.94	0.45	3.28	2.88	0.50	3.14	2.83	0.54	3.08	2.81	0.56	3.00	2.78	0.58	2.86	2.72	0.63
22	30	3.63	2.85	0.46	3.49	2.80	0.50	3.35	2.75	0.54	3.29	2.73	0.56	3.21	2.71	0.59	3.07	2.66	0.63
24	32	3.76	2.79	0.46	3.62	2.74	0.50	3.49	2.70	0.55	3.43	2.68	0.56	3.35	2.66	0.59	3.21	2.62	0.63

Heating · 50Hz 220 -240V·

AFR	11.7
-----	------

Indoor air temperature		Outdoor temperature [°C WB]															
		-25		-20		-15		-10		-5		0		6		10	
[°C DB]	[°C WB]	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15	15	1.18	0.41	1.51	0.44	1.83	0.47	2.21	0.50	2.58	0.52	2.90	0.55	3.36	0.59	3.61	0.61
20	20	1.02	0.43	1.35	0.46	1.68	0.48	2.05	0.51	2.42	0.54	2.74	0.57	3.20	0.60	3.45	0.62
22	22	0.96	0.43	1.28	0.46	1.62	0.49	1.98	0.52	2.36	0.54	2.68	0.57	3.14	0.61	3.38	0.63
24	24	0.89	0.44	1.22	0.47	1.56	0.50	1.92	0.52	2.29	0.55	2.61	0.58	3.07	0.62	3.32	0.63
25	25	0.86	0.44	1.19	0.47	1.53	0.50	1.88	0.53	2.26	0.55	2.58	0.58	3.04	0.62	3.29	0.64
27	27	0.80	0.45	1.12	0.48	1.47	0.50	1.82	0.53	2.20	0.56	2.52	0.59	2.98	0.63	3.22	0.64

Heating capacity at nominal operating frequency, measured according to EN14511.

Indoor air temperature		Outdoor temperature [°C WB]															
		-25		-20		-15		-10		-5		0		6		10	
[°C DB]	[°C WB]	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
20	20	3.6	2.2	4.4	2.48	4.8	2.54	5.3	2.58	5.69	2.6	6.49	2.63	7.4	2.67	7.67	2.7

Heating peak capacity at maximum operating frequency.

Symbols

AFR	Air flow rate [m ³ /min]
BF	Bypass factor
EWB	Entering wet-bulb temperature [°C WB]
EDB	Entering dry-bulb temperature [°C DB]
TC	Total capacity [kW]
SHC	Sensible heat capacity [kW]
PI	Power input [kW]

Notes

- The ratings shown are net capacities which include a deduction for indoor fan motor heat.
- | |
|--|
| |
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 Nominal capacity and nominal input
- The total capacity, power input and sensible heat capacity must be calculated by interpolation, using the figures in the table (figures not in the table may not be used in the calculation).
- In case the sensible heat capacity is not mentioned in the table, please calculate it using an approximation between two values in direct proportion.
- The capacities are based on the following conditions:
Corresponding refrigerant piping length: -5 - m
Level difference: -0 m
- The air flow rate and bypass factor are mentioned in the table.

4D152229

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FTXTM40A / RXTM40A FTXTM40S / RXTM40A

FTXTM40S2V1B + RXTM40A2V1B
FTXTM40A2V1B + RXTM40A2V1B

Cooling · 50Hz 220-240V·

AFR	15.1
BF	0.18

Indoor air temperature		Outdoor temperature [°C DB]																	
		20			25			30			32			35			40		
[°C WB]	[°C DB]	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14	20	4.10	3.01	0.65	3.91	2.93	0.71	3.73	2.87	0.78	3.65	2.85	0.80	3.54	2.82	0.84	3.35	2.78	0.90
16	22	4.28	2.87	0.66	4.10	2.80	0.72	3.91	2.73	0.78	3.84	2.71	0.81	3.72	2.67	0.84	3.54	2.62	0.91
18	25	4.47	3.00	0.66	4.28	2.94	0.72	4.09	2.89	0.79	4.02	2.87	0.81	3.91	2.85	0.85	3.72	2.83	0.91
19	27	4.56	3.22	0.66	4.37	3.18	0.72	4.19	3.15	0.79	4.11	3.15	0.81	4.00	3.14	0.85	3.81	3.16	0.91
22	30	4.84	2.93	0.67	4.65	2.88	0.73	4.46	2.84	0.79	4.39	2.83	0.82	4.28	2.81	0.86	4.09	2.80	0.92
24	32	5.02	2.75	0.67	4.83	2.70	0.73	4.65	2.66	0.80	4.57	2.64	0.82	4.46	2.62	0.86	4.27	2.59	0.92

Heating · 50Hz 220-240V·

AFR	17
-----	----

Indoor air temperature		Outdoor temperature [°C WB]															
		-25		-20		-15		-10		-5		0		6		10	
[°C DB]		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15		1.44	0.64	1.87	0.65	2.18	0.66	2.78	0.67	3.14	0.68	3.56	0.70	4.16	0.71	4.42	0.72
20		1.28	0.66	1.71	0.67	2.02	0.68	2.62	0.69	2.98	0.70	3.40	0.71	4.00	0.73	4.26	0.73
22		1.22	0.66	1.64	0.67	1.96	0.68	2.55	0.69	2.92	0.71	3.34	0.72	3.94	0.74	4.19	0.74
24		1.15	0.67	1.58	0.68	1.90	0.69	2.49	0.70	2.85	0.71	3.27	0.72	3.87	0.75	4.13	0.74
25		1.12	0.67	1.55	0.68	1.87	0.69	2.45	0.70	2.82	0.71	3.24	0.73	3.84	0.75	4.10	0.75
27		1.06	0.68	1.48	0.69	1.81	0.70	2.39	0.71	2.76	0.72	3.18	0.73	3.78	0.75	4.03	0.75

Heating capacity at nominal operating frequency, measured according to EN14511.

Indoor air temperature		Outdoor temperature [°C WB]															
		-25		-20		-15		-10		-5		0		6		10	
[°C DB]		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
20		4.05	2.13	4.70	2.31	5.40	2.41	6.10	2.52	6.95	2.70	7.34	2.71	8.80	2.72	8.85	2.73

Heating peak capacity at maximum operating frequency

Symbols

AFR	Air flow rate [m ³ /min]
BF	Bypass factor
EWB	Entering wet-bulb temperature [°C WB]
EDB	Entering dry bulb temperature [°C DB]
TC	Total capacity [kW]
SHC	Sensible heat capacity [kW]
PI	Power input [kW]

Notes

- The ratings shown are net capacities which include a deduction for indoor fan motor heat.
- | |
|--|
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 Nominal capacity and nominal input
- The total capacity, power input and sensible heat capacity must be calculated by interpolation, using the figures in the table (figures not in the table may not be used in the calculation).
- In case the sensible heat capacity is not mentioned in the table, please calculate it using an approximation between two values in direct proportion.
- The capacities are based on the following conditions:
Corresponding refrigerant piping length: 5- m
Level difference: 0- m
- The air flow rate and bypass factor are mentioned in the table.

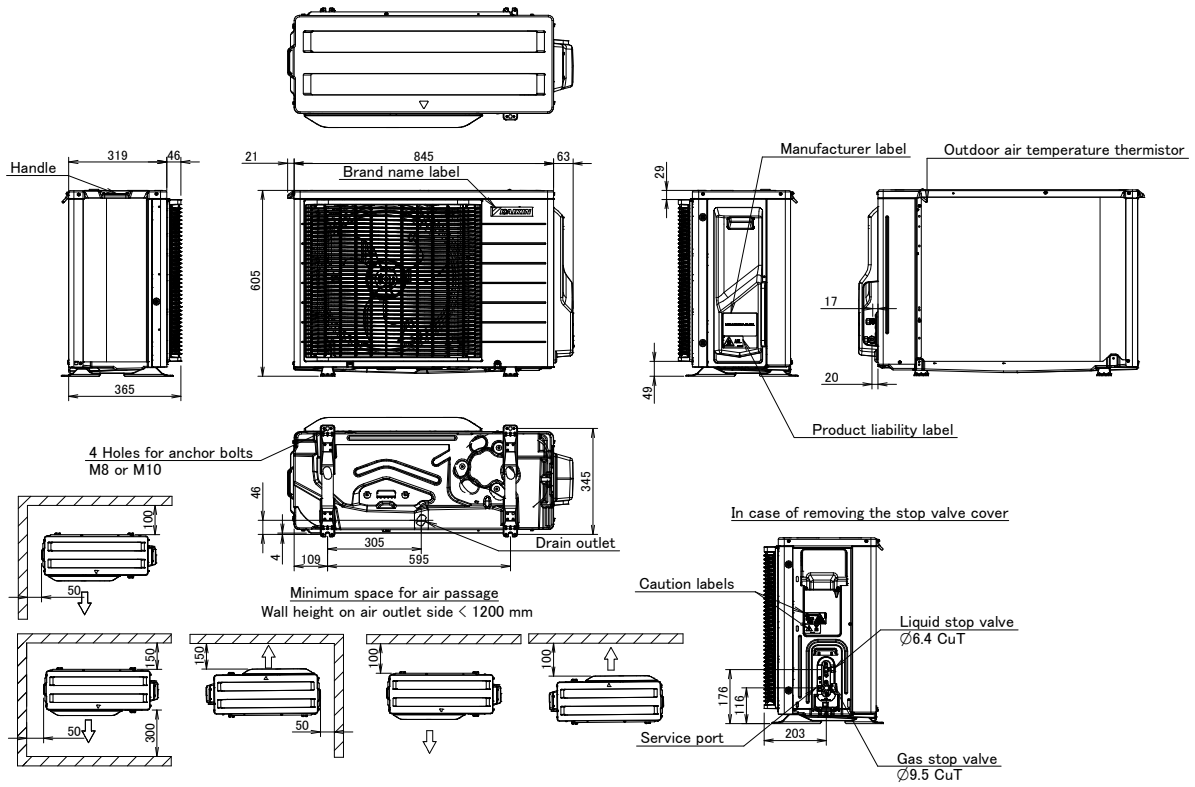
4D148084D

5 Dimensional drawings

5 - 1 Dimensional Drawings

5

RXTM-A

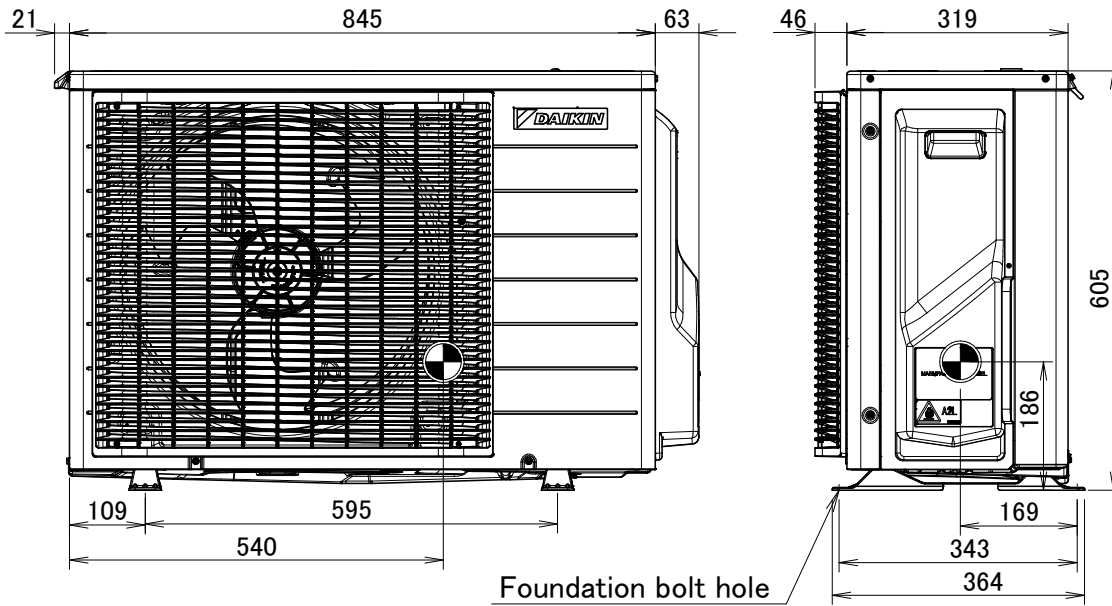


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6 Centre of gravity

6 - 1 Centre of Gravity

RXTM-A



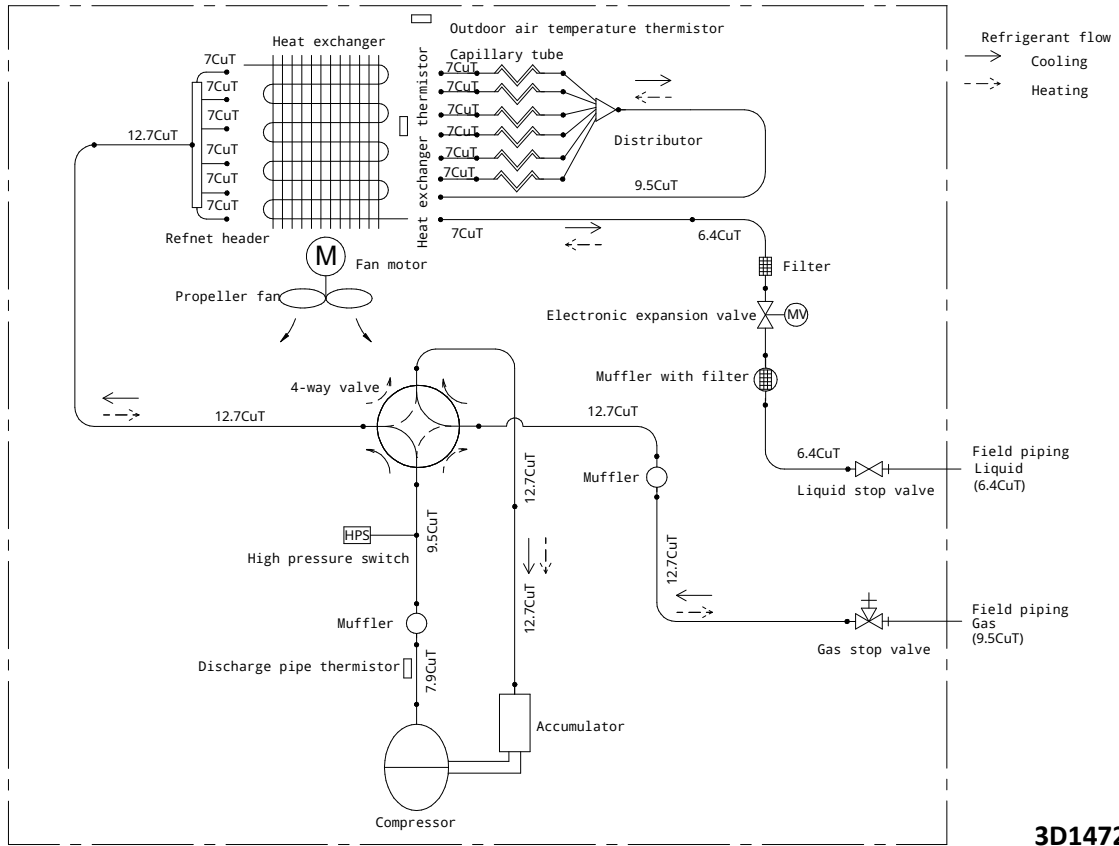
4D147582

7 Piping diagrams

7 - 1 Piping Diagrams

7

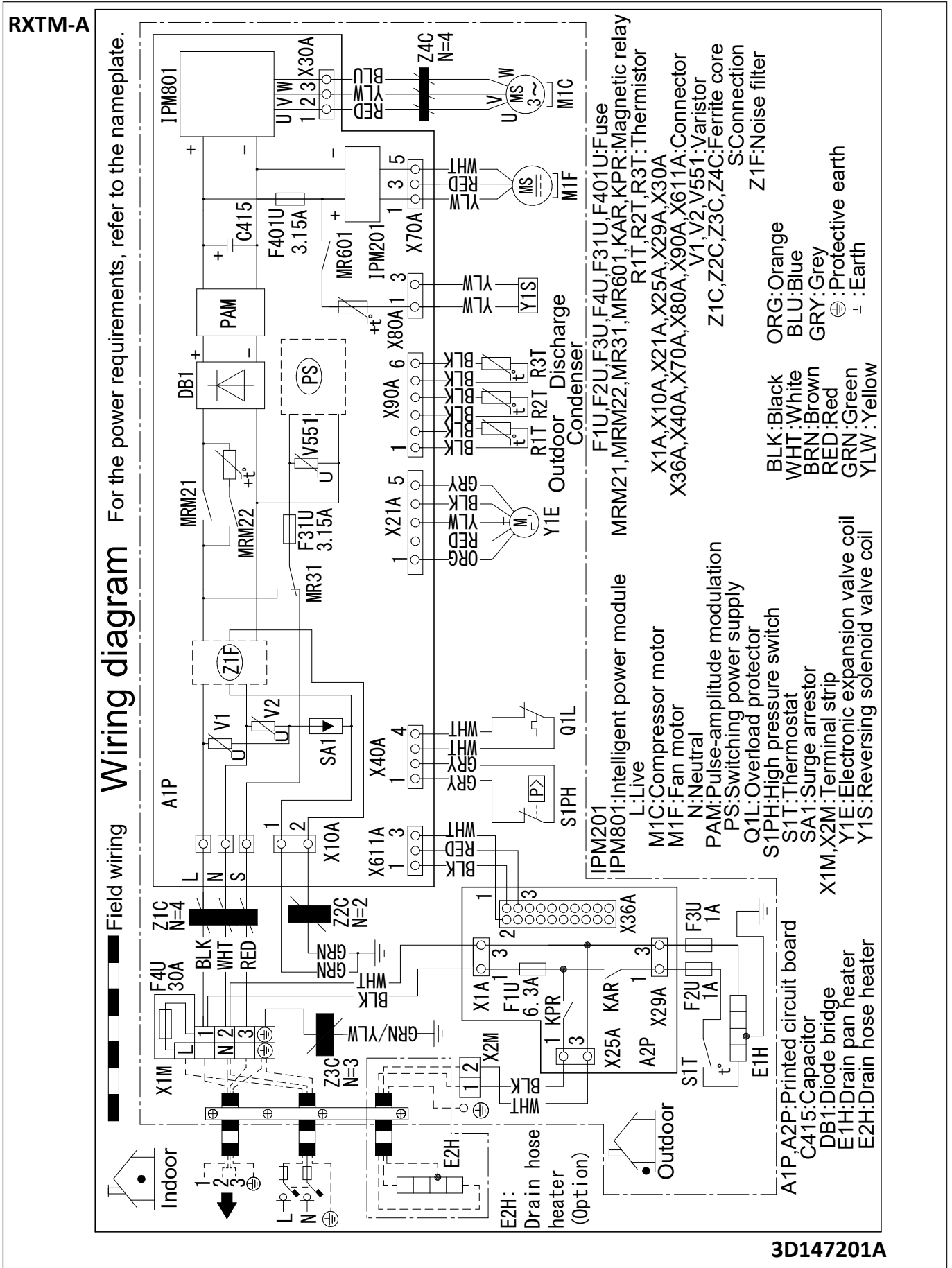
RXTM-A Outdoor unit



3D147256

8 Wiring diagrams

8 - 1 Wiring Diagrams - Three Phase



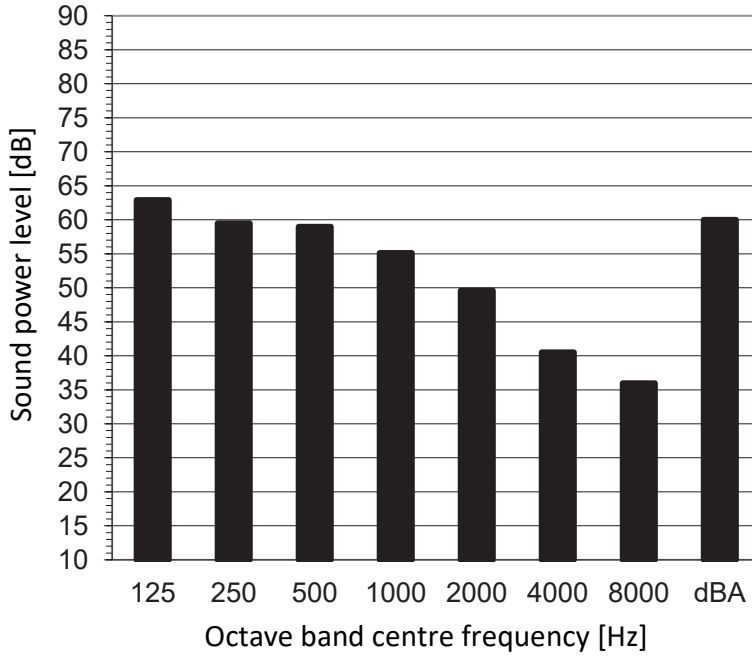
9 Sound data

9 - 1 Sound Power Spectrum

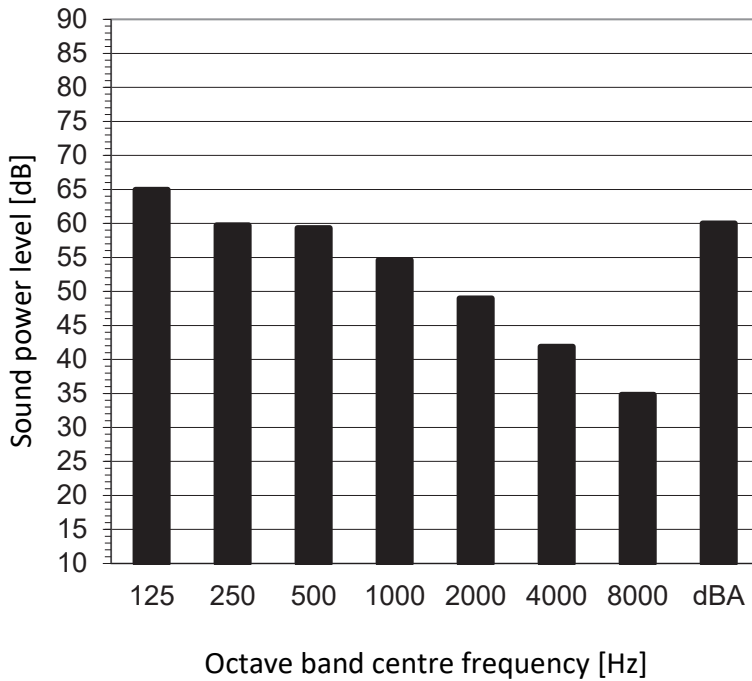
9

RXTM-A

Cooling mode



Heating mode



■ Fan speed: High

Notes

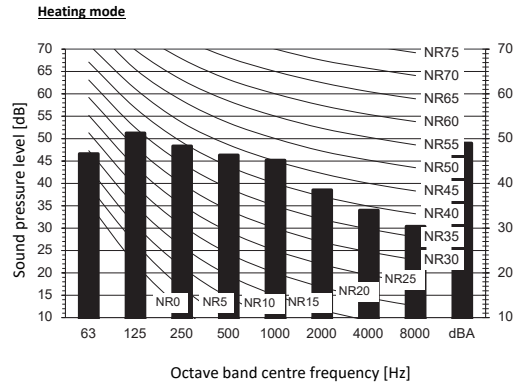
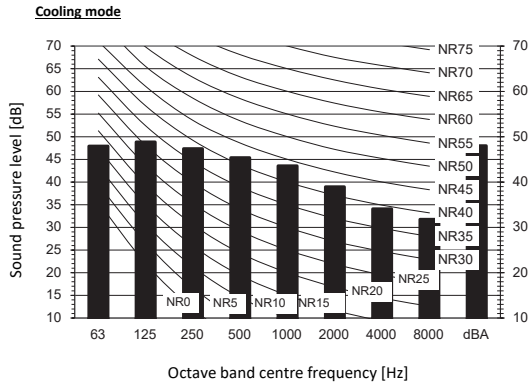
1. dBA = A-weighted sound power level (A scale according to IEC).
2. Reference acoustic power 0 dB = 10^{-12} W/m².
3. Measured according to ISO 3744

4D147893

9 Sound data

9 - 2 Sound Pressure Spectrum

RXTM-A



Cooling
Total dB

A	B
dBA	48

Heating
Total dB

A	B
dBA	49

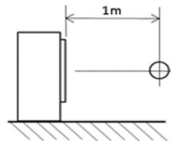
Legend

dBA = A-weighted sound pressure level (A scale according to IEC).

A Scale

B Fan speed: High

Location of microphone



Notes

1. Operating conditions: power source 220-240 V 50 Hz; JIS standard
2. Background noise already taken into account.
3. Operating noise varies depending on operation and ambient conditions.
4. The operation noise measuring method is in accordance with JISC9612.
5. Measuring location: anechoic chamber

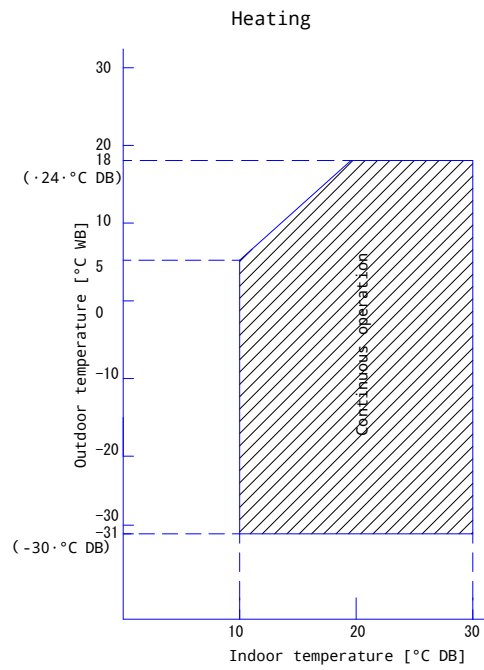
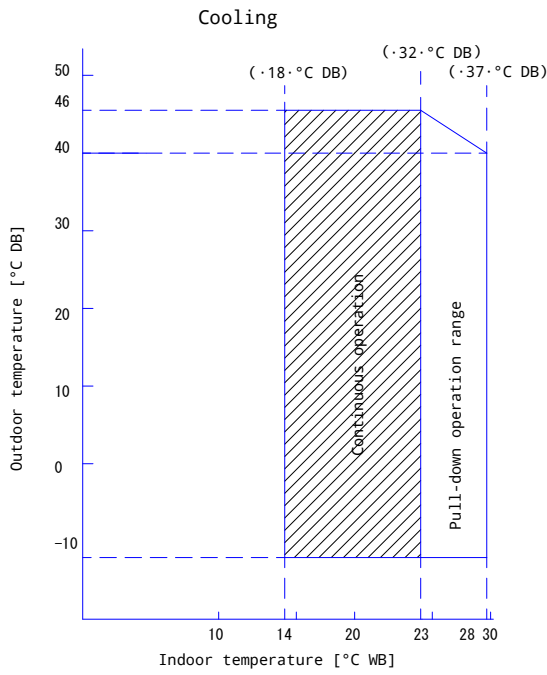
4D147892

10 Operation range

10 - 1 Operation Range

10

RXTM-A



Notes

1)The graph is based on the following conditions.

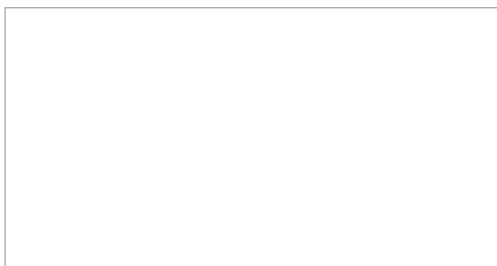
Corresponding refrigerant piping length: 5 m

Level difference: 0 m

Air flow rate High

3D147780

Daikin Europe N.V. Naamloze Vennootschap · Zandvoordestraat 300 · 8400 Oostende · Belgium · www.daikin.eu · BE 0412 120 336 · RPR Oostende (Responsible Editor)



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10/2024



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