



Air Conditioning Technical Data RXTP-A



TABLE OF CONTENTS

RXTP-A

1	Features	4
	RXTP-A	4
2	Specifications	5
3	Electrical data	16
4	Capacity tables	17
	Cooling/Heating Capacity Tables	17
5	Dimensional drawings	19
6	Centre of gravity	20
7	Piping diagrams	21
8	Wiring diagrams	22
	Wiring Diagrams - Three Phase	22
9	Sound data	23
	Sound Power Spectrum	23
	Sound Pressure Spectrum	24
10	Operation range	25

1 Features

1 - 1 RXTP-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					RXTP25A	RXTP35A
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		1.4	
	Stages	Quantity			26	
	Passes	Quantity			4.3	
	Tube type				7.0 Hi-XD	
	Tube diameter		mm		7	
	Fin	Type			Waffle fin (PE)	
	Type				Propeller fan	
	Air flow rate	Cooling	High	m ³ /min	41.5	
Fan				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	
			Silent operation	m ³ /min	38.0	
				cfm	1,342	
		Heating	High	m ³ /min	41.5	
				cfm	1,466	
			Nom.	m ³ /min	41.5	
				cfm	1,466	
			Medium	m ³ /min	32.9	
				cfm	1,162	
			Low	m ³ /min	17.6	
Fan	Air flow rate	Heating	Low	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	
			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	
	Oil Type				FW50DA	
Operation range	Cooling	Ambient	Min.	°CDB	-10	
			Max.	°CDB	46	
	Heating	Ambient	Min.	°CWB	-31	
				°CDB	-30	
			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	
	Heating	Nom.		dBA	49.0	

2 Specifications

2 - 1 Specifications

2

Technical Specifications				RXTP25A	RXTP35A
Refrigerant	Type			R-32	
	Charge	kg		0.97	
Refrigerant	Charge	tCO ₂ Eq		0.66	
	Control			Expansion valve	
Piping connections	GWP			675.0	
	Liquid	OD	mm	6.35	
	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 difference	IU - OU	Max. m	15.0	
Capacity control	Heat insulation			Both liquid and gas pipes	
	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				RXTP25A	RXTP35A
Power supply	Phase			1~	
	Hz			50	
	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

2 - 1 Specifications

Technical specifications			FTXTP25A + RXTP25A		FTXTP35A + RXTP35A	
Cooling capacity	Min.		kW	1		
	Min.		Btu/h	3,400		
	Min.		kcal/h	860		
	Nom.		kW	2.5	3.5	
	Nom.		Btu/h	8,500	11,900	
	Nom.		kcal/h	2,150	3,009	
	Max.		kW	4.1	4.5	
	Max.		Btu/h	14,000	15,400	
Max.		kcal/h	3,525	3,869		
Cooling capacity - Low sound mode (Stb. 2020, 189)	Min.		kW	1		
	Min.		Btu/h	3,400		
	Min.		kcal/h	860		
	Nom.		kW	2.5	3.5	
	Nom.		Btu/h	8,500	11,900	
	Nom.		kcal/h	2,150	3,009	
	Max.		kW	4.1	4.5	
	Max.		Btu/h	14,000	15,400	
Max.		kcal/h	3,525	3,869		
Heating capacity	Min.		kW	1		
	Min.		Btu/h	3,400		
	Min.		kcal/h	860		
	Nom.		kW	3.2	4	
	Nom.		Btu/h	10,900	13,600	
	Nom.		kcal/h	2,752	3,439	
	Max.		kW	6.2	6.7	
	Max.		Btu/h	21,200	22,900	
Max.		kcal/h	5,331	5,761		
Heating capacity - Low sound mode (Stb. 2020, 189)	Min.		kW	1		
	Min.		Btu/h	3,400		
	Min.		kcal/h	860		
	Nom.		kW	3.2	4	
	Nom.		Btu/h	10,900	13,600	
	Nom.		kcal/h	2,752	3,439	
	Max.		kW	5.5		
Heating capacity - Low sound mode (Stb. 2020, 189)	Max.		Btu/h	18,800		
	Max.		kcal/h	4,729		
Power input	Cooling	Nom.	kW	0.51	0.74	
	Heating	Nom.	kW	0.65	0.88	
Nominal efficiency	EER			4.88	4.71	
	COP			4.99	4.55	
	Annual energy consumption		kWh	256	372	
	Energy labeling	Cooling		A		
		Heating		A		
Nominal efficiency - Low sound mode (Stb. 2020, 189)	EER			4.88	4.71	
	COP			4.99	4.55	
	Annual energy consumption		kWh	256	372	
Space cooling	Energy efficiency class			A+++		
	Capacity	Pdesign	kW	2.5	3.5	
	SEER			8.55		
	Annual energy consumption		kWh/a	102	143	
Space cooling - Low sound mode (Stb. 2020, 189)	Capacity	Pdesign	kW	2.5	3.5	
	SEER			8.55		
	Annual energy consumption		kWh/a	102	143	
Space heating (Average climate)	Capacity	Pdesign	kW	2.5	3	
	Energy efficiency class			A++		
	SCOP/A			4.95	4.85	
	SCOPnet/A			4.96	4.86	
	Pdh Heating capacity at -10°		kW	2.5	3	
	Annual energy consumption		kWh/a	707	866	
	Required back up heating cap at design conditions		kW	0		
	Space heating (Average climate) - Low sound mode (Stb. 2020, 189)	Capacity	Pdesign	kW	2.5	3
		SCOP/A			4.95	4.85
SCOPnet/A			4.96	4.86		
Pdh Heating capacity at -10°		kW	2.5	3		
Annual energy consumption		kWh/a	707	866		
Required back up heating cap at design conditions		kW	0			
Space heating (Cold climate)		Capacity	Pdesignh	kW	3.65	4.38
	Energy efficiency class			A		
	SCOP/C			3.96	3.79	
	SCOPnet/C			4	3.83	
	Annual energy consumption		kWh/a	1,937	2,426	

2 Specifications

2 - 1 Specifications

Technical specifications				FTXTP25A + RXTP25A	FTXTP35A + RXTP35A
Space heating (Cold climate)	Required back up heating cap at design conditions	kW		0.67	0.8
Space cooling	A Condition (35°C - 27/19)	Pdc	kW	2.5	3.5
		EERd		4.88	4.71
		Power input	kW	0.51	0.74
	B Condition (30°C - 27/19)	Pdc	kW	1.85	2.58
		EERd		8.11	6.96
		Power input	kW	0.23	0.37
	C Condition (25°C - 27/19)	Pdc	kW		1.66
		EERd		11.05	10.92
		Power input	kW		0.15
	D Condition (20°C - 27/19)	Pdc	kW		1.54
		EERd			11.64
		Power input	kW		0.13
Space cooling - Low sound mode (Stb. 2020, 189)	A Condition (35°C - 27/19)	Pdc	kW	2.5	3.5
		EERd		4.88	4.71
		Power input	kW	0.51	0.74
	B Condition (30°C - 27/19)	Pdc	kW	1.85	2.58
		EERd		8.11	6.96
		Power input	kW	0.23	0.37
	C Condition (25°C - 27/19)	Pdc	kW		1.66
		EERd		11.05	10.92
		Power input	kW		0.15
	D Condition (20°C - 27/19)	Pdc	kW		1.54
		EERd			11.64
		Power input	kW		0.13
Space heating (Average climate)	TOL	Tol (temperature operating limit)	°C		-30
	TBivalent	Tbiv (bivalent temperature)	°C		-10
		Pdh (declared heating cap)	kW	2.5	3
		COPd (declared COP)		3.09	2.87
		Power input	kW	0.81	1.05
	A Condition (-7°C)	Pdh (declared heating cap)	kW	2.22	2.66
		COPd (declared COP)		3.32	3.02
		Power input	kW	0.67	0.88
	B Condition (2°C)	Pdh (declared heating cap)	kW	1.35	1.62
		COPd (declared COP)		5.03	4.89
		Power input	kW	0.27	0.33
	C Condition (7°C)	Pdh (declared heating cap)	kW		1.2
		COPd (declared COP)			6.31
		Power input	kW		0.19
	D Condition (12°C)	Pdh (declared heating cap)	kW		1.42
		COPd (declared COP)			7.93
		Power input	kW		0.18
	E condition (-10°C)	Pdh (declared heating cap)	kW	2.5	3
		COPd (declared COP)		3.09	2.87
		Power input	kW	0.81	1.05
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	2.5	3
		COPd (declared COP)		3.09	2.87
		Power input	kW	0.81	1.05
	A Condition (-7°C)	Pdh (declared heating cap)	kW	2.22	2.66
		COPd (declared COP)		3.32	3.02
		Power input	kW	0.67	0.88
	B Condition (2°C)	Pdh (declared heating cap)	kW	1.35	1.62
		COPd (declared COP)		5.03	4.89
		Power input	kW	0.27	0.33
	C Condition (7°C)	Pdh (declared heating cap)	kW		1.2
		COPd (declared COP)			6.31
		Power input	kW		0.19
	D Condition (12°C)	Pdh (declared heating cap)	kW		1.42
		COPd (declared COP)			7.93
		Power input	kW		0.18
	E condition (-10°C)	Pdh (declared heating cap)	kW	2.5	3
		COPd (declared COP)		3.09	2.87
		Power input	kW	0.81	1.05

2 Specifications

2 - 1 Specifications

Technical specifications					FTXTP25A + RXTP25A		FTXTP35A + RXTP35A		
Space heating (Cold climate)	TOL	Tol (temperature operating limit)		°C			-30		
	TBivalent	Tbiv (bivalent temperature)		°C			-15		
		Pdh (declared heating cap)		kW	2.98			3.58	
		COPd (declared COP)			2.11			2.03	
		Power input		kW	1.41			1.76	
	A Condition (-7°C)	Pdh (declared heating cap)		kW	2.22			2.66	
		COPd (declared COP)			3.32			3.02	
		Power input		kW	0.67			0.88	
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.35			1.62	
	Space heating (Cold climate)	B Condition (2°C)	COPd (declared COP)			5.03			4.89
Power input			kW	0.27			0.33		
C Condition (7°C)		Pdh (declared heating cap)		kW			1.2		
		COPd (declared COP)					6.31		
		Power input		kW			0.19		
D Condition (12°C)		Pdh (declared heating cap)		kW			1.42		
		COPd (declared COP)					7.93		
		Power input		kW			0.18		
E condition (-22°C)		Pdh (declared heating cap)		kW	2.98			3.58	
		COPd (declared COP)			1.61			1.58	
		Power input		kW	1.85			2.27	
G Condition (-15°C)		Pdh (declared heating cap)		kW	2.98			3.58	
		COPd (declared COP)			2.11			2.03	
		Power input		kW	1.41			1.76	
Space heating (Average climate) - Low sound mode (Stb. 2020, 189)		E condition (-10°C)	Pdh (declared heating cap)		kW	2.5			3
			COPd (declared COP)			3.09			2.87
	Power input		kW	0.81			1.05		
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			9		
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			60		
		Heating	Nom.	dBA			58		
	Piping length	Cooling	Measuring condition	m			5		

Electrical specifications					FTXTP25A + RXTP25A	FTXTP35A + RXTP35A
Power factor	Nominal	Cooling	%		69.51	72.61
		Heating	%		71.14	74.68
Current	Nominal running current (RLA)	Cooling	A		3.19	4.43
	Nominal running current (RLA) - 50Hz	Heating	A		3.97	5.12
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

2 - 1 Specifications

2

Technical specifications				FTXTP25M + RXTP25A	FTXTP35M + RXTP35A
Cooling capacity	Min.		kW	0.80	
	Min.		Btu/h	2,700	
	Min.		kcal/h	688	
	Nom.		kW	2.50	3.50
	Nom.		Btu/h	8,500	11,900
	Nom.		kcal/h	2,150	3,009
	Max.		kW	4.00	4.40
	Max.		Btu/h	13,600	15,000
	Max.		kcal/h	3,439	3,783
Heating capacity	Min.		kW	1.20	
	Min.		Btu/h	4,100	
	Min.		kcal/h	1,000	
	Nom.		kW	3.20	4.00
	Nom.		Btu/h	10,900	13,600
	Nom.		kcal/h	2,752	3,439
	Max.		kW	6.20	6.70
	Max.		Btu/h	21,200	22,900
	Max.		kcal/h	5,331	5,761
Power input	Cooling	Nom.	kW	0.57	0.92
	Heating	Nom.	kW	0.65	0.90
Nominal efficiency	EER			4.40	3.80
	COP			4.95	4.44
	Annual energy consumption		kWh	284	461
	Energy labeling	Cooling		A	
	Directive	Heating		A	
Space cooling	Energy efficiency class			A++	
	Capacity	Pdesign	kW	2.50	3.50
	SEER			7.10	7.20
	Annual energy consumption		kWh/a	123	170
	Capacity	Pdesign	kW	2.50	3.00
Space heating (Average climate)	Energy efficiency class			A++	
	SCOP/A			4.93	4.81
	SCOPnet/A			4.94	4.82
	Pdh Heating capacity at -10°		kW	2.50	3.00
	Annual energy consumption		kWh/a	710	873
Space heating (Cold climate)	Required back up heating cap at design conditions		kW	0.00	
	Capacity	Pdesignh	kW	3.65	4.38
	Energy efficiency class			A	
	SCOP/C			3.93	3.82
	SCOPnet/C			4.00	3.89
Space cooling	Annual energy consumption		kWh/a	1,953	2,406
	Required back up heating cap at design conditions		kW	1.17	1.39
	A Condition	Pdc	kW	2.50	3.50
	(35°C - 27/19)	EERd		4.40	3.80
		Power input	kW	0.57	0.92
	B Condition	Pdc	kW	1.85	2.58
	(30°C - 27/19)	EERd		6.54	5.83
		Power input	kW	0.28	0.44
	C Condition	Pdc	kW	1.61	1.66
	(25°C - 27/19)	EERd		9.44	9.64
		Power input	kW	0.17	
	D Condition	Pdc	kW	1.55	
	(20°C - 27/19)	EERd		8.81	9.12
		Power input	kW	0.18	0.17

2 Specifications

2 - 1 Specifications

Technical specifications					FTXTP25M + RXTP25A		FTXTP35M + RXTP35A	
Space heating (Average climate)	TOL	Tol (temperature operating limit)		°C			-10	
	TBivalent	Tbiv (bivalent temperature)		°C			-10	
		Pdh (declared heating cap)		kW	2.50			3.00
		COPd (declared COP)			3.09			2.77
		Power input		kW	0.81			1.08
	A Condition (-7°C)	Pdh (declared heating cap)		kW	2.22			2.66
		COPd (declared COP)			3.40			3.23
		Power input		kW	0.65			0.82
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.35			1.62
		COPd (declared COP)			5.11			4.98
		Power input		kW	0.26			0.33
	C Condition (7°C)	Pdh (declared heating cap)		kW			1.25	
		COPd (declared COP)			6.06			5.84
		Power input		kW			0.21	
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.38			1.44
		COPd (declared COP)			7.56			7.30
		Power input		kW	0.18			0.20
Space heating (Average climate)	E condition (-10°C)	Pdh (declared heating cap)		kW	2.50			3.00
		COPd (declared COP)			3.09			2.77
		Power input		kW	0.81			1.08
Space heating (Cold climate)	TOL	Tol (temperature operating limit)		°C			-22	
	TBivalent	Tbiv (bivalent temperature)		°C			-15	
		Pdh (declared heating cap)		kW	2.98			3.58
		COPd (declared COP)					1.95	
		Power input		kW	1.53			1.84
	A Condition (-7°C)	Pdh (declared heating cap)		kW	2.22			2.66
		COPd (declared COP)			3.40			3.23
		Power input		kW	0.65			0.82
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.35			1.62
		COPd (declared COP)			5.11			4.98
		Power input		kW	0.26			0.33
	C Condition (7°C)	Pdh (declared heating cap)		kW			1.25	
		COPd (declared COP)			6.06			5.84
		Power input		kW			0.21	
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.38			1.44
		COPd (declared COP)			7.56			7.30
		Power input		kW	0.18			0.20
	E condition (-22°C)	Pdh (declared heating cap)		kW	2.48			2.99
		COPd (declared COP)					1.56	
		Power input		kW	1.59			1.92
	G Condition (-15°C)	Pdh (declared heating cap)		kW	2.98			3.58
		COPd (declared COP)					1.95	
		Power input		kW	1.53			1.84
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			13	
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	
		Heating	Nom.	dBA				
	Sound power level indoor	Cooling	Nom.	dBA			58	
	Piping length	Cooling	Measuring condition	m			5.00	

2 Specifications

2 - 1 Specifications

2

Electrical specifications				FTXTP25M + RXTP25A	FTXTP35M + RXTP35A
Power factor	Nominal	Cooling	%	93.37	98.62
		Heating	%	97.44	98.22
Current	Nominal running current (RLA) - 50Hz	Heating	A	3.04	3.87
	Current - 50Hz	Maximum fuse amps (MFA)		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

Technical specifications				FTXTP25N + RXTP25A	FTXTP35N + RXTP35A
Cooling capacity	Min.		kW	1	
	Min.		Btu/h	3,400	
	Min.		kcal/h	860	
	Nom.		kW	2.5	3.5
	Nom.		Btu/h	8,500	11,900
	Nom.		kcal/h	2,150	3,009
	Max.		kW	4.1	4.5
	Max.		Btu/h	14,000	15,400
	Max.		kcal/h	3,525	3,869
Cooling capacity - Low sound mode (Stb. 2020, 189)	Min.		kW	1	
	Min.		Btu/h	3,400	
	Min.		kcal/h	860	
	Nom.		kW	2.5	3.5
	Nom.		Btu/h	8,500	11,900
	Nom.		kcal/h	2,150	3,009
	Max.		kW	4.1	4.5
	Max.		Btu/h	14,000	15,400
	Max.		kcal/h	3,525	3,869
Heating capacity	Min.		kW	1	
	Min.		Btu/h	3,400	
	Min.		kcal/h	860	
	Nom.		kW	3.2	4
	Nom.		Btu/h	10,900	13,600
	Nom.		kcal/h	2,752	3,439
	Max.		kW	6.2	6.7
	Max.		Btu/h	21,200	22,900
	Max.		kcal/h	5,331	5,761
Heating capacity - Low sound mode (Stb. 2020, 189)	Min.		kW	1	
	Min.		Btu/h	3,400	
	Min.		kcal/h	860	
	Nom.		kW	3.2	4
	Nom.		Btu/h	10,900	13,600
	Nom.		kcal/h	2,752	3,439
	Max.		kW	6.2	6.7
	Max.		Btu/h	21,200	22,900
	Max.		kcal/h	5,331	5,761
Power input	Cooling	Nom.	kW	0.51	0.79
	Heating	Nom.	kW	0.65	0.88
Power input - Low sound mode (Stb. 2020, 189)	Cooling	Nom.	kW	0.51	0.79
	Heating	Nom.	kW	0.65	0.88

2 Specifications

2 - 1 Specifications

Technical specifications		FTXTP25N + RXTP25A		FTXTP35N + RXTP35A	
Nominal efficiency	EER		4.88		4.45
	COP		4.95		4.55
	Annual energy consumption	kWh	256		393
	Energy labeling	Cooling		A	
	Directive	Heating		A	
Nominal efficiency - Low sound mode (Stb. 2020, 189)	EER		4.88		4.45
	COP		4.95		4.55
	Annual energy consumption	kWh	256		393
Space cooling	Energy efficiency class			A+++	
	Capacity	Pdesign	kW	2.5	3.5
	SEER		8.55		8.51
	Annual energy consumption	kWh/a	102		144
Space cooling - Low sound mode (Stb. 2020, 189)	Capacity	Pdesign	kW	2.5	3.5
	SEER		8.55		8.51
	Annual energy consumption	kWh/a	102		144
Space heating (Average climate)	Capacity	Pdesign	kW	2.5	3
	Energy efficiency class			A++	
	SCOP/A		4.95		4.85
	SCOPnet/A		4.96		4.86
	Pdh Heating capacity at -10°	kW	2.5		3
	Annual energy consumption	kWh/a	707		866
	Required back up heating cap at design conditions	kW		0	
	Capacity	Pdesign	kW	2.5	3
	SCOP/A		4.95		4.85
	SCOPnet/A		4.96		4.86
Space heating (Average climate) - Low sound mode (Stb. 2020, 189)	Pdh Heating capacity at -10°	kW	2.5		3
	Annual energy consumption	kWh/a	707		866
	Required back up heating cap at design conditions	kW		0	
	Capacity	Pdesign	kW	2.5	3
	SCOPnet/A		4.96		4.86
Space heating (Cold climate)	Energy efficiency class			A	
	SCOP/C		3.96		3.79
	SCOPnet/C		4		3.83
Space heating (Cold climate)	Annual energy consumption	kWh/a	1,937		2,426
	Required back up heating cap at design conditions	kW	0.67		0.8
	Power input	kW	0.23		0.37
Space cooling	A Condition	Pdc	kW	2.5	3.5
	(35°C - 27/19)	EERd		4.88	4.45
	Power input	kW	0.51		0.79
	B Condition	Pdc	kW	1.85	2.58
	(30°C - 27/19)	EERd		8.11	7.02
	Power input	kW	0.23		0.37
	C Condition	Pdc	kW	1.66	
	(25°C - 27/19)	EERd		11.09	10.99
	Power input	kW	0.15		
	D Condition	Pdc	kW	1.7	
	(20°C - 27/19)	EERd		11.64	
	Power input	kW	0.15		
Space cooling - Low sound mode (Stb. 2020, 189)	A Condition	Pdc	kW	2.5	3.5
	(35°C - 27/19)	EERd		4.88	4.45
	Power input	kW	0.51		0.79
	B Condition	Pdc	kW	1.85	2.58
	(30°C - 27/19)	EERd		8.11	7.02
	Power input	kW	0.23		0.37
	C Condition	Pdc	kW	1.66	
	(25°C - 27/19)	EERd		11.09	10.99
	Power input	kW	0.15		
	D Condition	Pdc	kW	1.7	
	(20°C - 27/19)	EERd		11.64	
	Power input	kW	0.15		
Space heating (Average climate)	TOL	Tol (temperature operating limit)	°C	-30	
	TBivalent	Tbiv (bivalent temperature)	°C	-10	
	Pdh (declared heating cap)	kW	2.5		3
	COPd (declared COP)		3.09		2.87
	Power input	kW	0.81		1.05
	A Condition	Pdh (declared heating cap)	kW	2.22	2.66
	(-7°C)	COPd (declared COP)		3.32	3.02
	Power input	kW	0.67		0.88
	B Condition	Pdh (declared heating cap)	kW	1.35	1.62
	(2°C)	COPd (declared COP)		5.03	4.89

2 Specifications

2 - 1 Specifications

Technical specifications					FTXTP25N + RXTP25A		FTXTP35N + RXTP35A	
Space heating (Average climate)	B Condition (2°C)	Power input	kW		0.27		0.33	
		C Condition (7°C)	Pdh (declared heating cap)	kW	1.2		1.04	
			COPd (declared COP)		6.31		5.88	
	D Condition (12°C)	Power input	kW	0.19		0.18		
		Pdh (declared heating cap)	kW	1.42		0.47		
			COPd (declared COP)		7.93		7.46	
	E condition (-10°C)	Power input	kW	0.18		0.06		
		Pdh (declared heating cap)	kW	2.5		3		
			COPd (declared COP)		3.09		2.87	
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	2.5		3	
	A Condition (-7°C)	COPd (declared COP)		3.09		2.87		
		Power input	kW	0.81		1.05		
		Pdh (declared heating cap)	kW	2.22		2.66		
	B Condition (2°C)	COPd (declared COP)		3.32		3.02		
		Power input	kW	0.67		0.88		
		Pdh (declared heating cap)	kW	1.35		1.62		
	C Condition (7°C)	COPd (declared COP)		5.03		4.89		
		Power input	kW	0.27		0.33		
		Pdh (declared heating cap)	kW	1.2		1.04		
	D Condition (12°C)	COPd (declared COP)		6.31		5.88		
		Power input	kW	0.19		0.18		
		Pdh (declared heating cap)	kW	1.42		0.47		
	E condition (-10°C)	COPd (declared COP)		7.93		7.46		
		Power input	kW	0.18		0.06		
		Pdh (declared heating cap)	kW	2.5		3		
	Space heating (Cold climate)	TOL	COPd (declared COP)		3.09		2.87	
			Power input	kW	0.81		1.05	
TBivalent			Tbiv (bivalent temperature)	°C			-30	
		Pdh (declared heating cap)	kW	2.98		3.58		
		COPd (declared COP)		2.11		2.03		
A Condition (-7°C)		Power input	kW	1.41		1.76		
		Pdh (declared heating cap)	kW	2.22		2.66		
		COPd (declared COP)		3.32		3.02		
Space heating (Cold climate)		B Condition (2°C)	Power input	kW	0.67		0.88	
			Pdh (declared heating cap)	kW	1.35		1.62	
			COPd (declared COP)		5.03		4.89	
		C Condition (7°C)	Power input	kW	0.27		0.33	
			Pdh (declared heating cap)	kW	1.2		1.04	
			COPd (declared COP)		6.31		5.88	
		D Condition (12°C)	Power input	kW	0.19		0.18	
			Pdh (declared heating cap)	kW	1.42		0.47	
			COPd (declared COP)		7.93		7.46	
		E condition (-22°C)	Power input	kW	0.18		0.06	
			Pdh (declared heating cap)	kW	2.98		3.58	
			COPd (declared COP)		1.61		1.58	
	G Condition (-15°C)	Power input	kW	1.85		2.27		
		Pdh (declared heating cap)	kW	2.98		3.58		
		COPd (declared COP)		2.11		2.03		
Space heating (Average climate) - Low sound mode (Stb. 2020, 189)	E condition (-10°C)	Power input	kW	1.41		1.76		
		Pdh (declared heating cap)	kW	2.5		3		
		COPd (declared COP)		3.09		2.87		
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	9				
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			

2 Specifications

2 - 1 Specifications

Technical specifications					FTXTP25N + RTP25A	FTXTP35N + RTP35A
Warm season included					No	
Eurovent	Piping length	Cooling	Measuring condition	m	5	

Electrical specifications				FTXTP25N + RTP25A	FTXTP35N + RTP35A
Power factor	Nominal	Cooling	%	69.51	72.61
		Heating	%	71.14	74.68
Current	Nominal running current (RLA)	Cooling	A	3.2	4.53
	Nominal running current (RLA) - 50Hz	Heating	A	3.88	5.44
Current - 50Hz	Maximum fuse amps (MFA)			A	16

See separate drawing for electrical data |

See separate drawing for operation range |

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.

3 Electrical data

3 - 1 Electrical Data

RXTP-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					3.0				
		50	240					2.9				
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					2.8				
		50	240					2.7				
FTXTJ30A2V1BW	RXTJ30A2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14.66	16	36	3.3	0.049	0.58	0.029	0.25
FTXTJ30A2V1BB		50	230					3.2				
50		240	3.1									
FTXTA30C2V1BW	RXTA30C2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14.83	16	36	3.3	0.049	0.58	0.041	0.40
FTXTA30C2V1BB		50	230					3.2				
50		240	3.1									
FVXTM30A3V1B	RXTM30A2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14.54	16	36	3.1	0.049	0.58	0.037	0.14
FVXTM30B2V1B		50	230					3.0				
50		240	2.9									
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					3.3				
		50	240					3.2				
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					4.5				
		50	240					4.3				
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					3				
		50	240					2.9				
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					3.8				
		50	240					3.6				
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					3				
		50	240					2.9				
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					3.2				
		50	240					3.1				
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					4.4				
		50	240					4.2				

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

FTXTP25A / RXTP25A

FTXTP25N / RXTP25A

FTXTP25N5V1B + RXTP25A2V1B
FTXTP25A5V1B + RXTP25A2V1B

Cooling · 50Hz 220-240V·

AFR	11
BF	0.10

Indoor air temperature		Outdoor temperature [°C DB]															
		20				25				30				32			
[°C WB]	[°C DB]	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC
14	20	2.56	1.89	0.39	2.44	1.85	0.43	2.33	1.81	0.47	2.28	1.80	0.48	2.21	1.78	0.51	2.10
16	22	2.68	1.81	0.40	2.56	1.76	0.43	2.44	1.72	0.47	2.40	1.71	0.49	2.33	1.68	0.51	2.21
18	25	2.79	1.89	0.40	2.68	1.85	0.44	2.56	1.82	0.47	2.51	1.81	0.49	2.44	1.80	0.51	2.33
19	27	2.85	2.03	0.40	2.73	2.01	0.44	2.62	1.99	0.47	2.57	1.99	0.49	2.50	1.99	0.51	2.38
22	30	3.02	1.84	0.40	2.91	1.82	0.44	2.79	1.79	0.48	2.74	1.79	0.49	2.67	1.78	0.52	2.56
24	32	3.14	1.73	0.40	3.02	1.70	0.44	2.90	1.68	0.48	2.86	1.67	0.49	2.79	1.65	0.52	2.67

Heating · 50Hz 220-240V·

AFR	10.5
-----	------

Indoor air temperature		Outdoor temperature [°C WB]															
		-25				-20				-15				-10			
[°C DB]	[°C WB]	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15	20	1.24	0.45	1.56	0.48	1.88	0.51	2.24	0.53	2.60	0.56	2.92	0.59	3.36	0.63	3.60	0.64
20	22	1.08	0.47	1.40	0.49	1.72	0.52	2.08	0.55	2.44	0.58	2.76	0.60	3.20	0.64	3.44	0.66
22	25	1.02	0.47	1.34	0.50	1.66	0.53	2.02	0.55	2.38	0.58	2.69	0.61	3.14	0.65	3.38	0.66
24	28	0.96	0.48	1.27	0.50	1.60	0.53	1.95	0.56	2.32	0.59	2.63	0.61	3.07	0.66	3.31	0.67
25	30	0.92	0.48	1.24	0.51	1.57	0.54	1.92	0.56	2.28	0.59	2.60	0.62	3.04	0.66	3.28	0.67
27	32	0.86	0.49	1.18	0.51	1.51	0.54	1.85	0.57	2.22	0.60	2.53	0.62	2.98	0.67	3.22	0.68

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

Indoor air temperature		Outdoor temperature [°C WB]															
		-25				-20				-15				-10			
[°C DB]	[°C WB]	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
20	22	2.9	1.85	3.40	1.91	4.20	1.99	4.50	2.06	4.92	2.10	5.56	2.13	6.20	2.16	6.47	2.54

Heating peak capacity at maximum operating frequency.

Symbols

AFR	Air flow rate [m³/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.

4D148101B

FTXTP35N / RXTP35A

Cooling · 50Hz 220-240V·

AFR	11
BF	0.10

Indoor air temperature		Outdoor temperature [°C DB]															
		20				25				30				32			
[°C WB]	[°C DB]	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC
14	20	3.59	2.65	0.60	3.42	2.59	0.66	3.26	2.53	0.72	3.19	2.52	0.74	3.10	2.49	0.78	2.93
16	22	3.75	2.53	0.61	3.58	2.47	0.67	3.42	2.41	0.72	3.36	2.39	0.75	3.26	2.36	0.78	3.10
18	25	3.91	2.65	0.61	3.75	2.60	0.67	3.58	2.55	0.73	3.52	2.54	0.75	3.42	2.52	0.79	3.26
19	27	3.99	2.84	0.61	3.83	2.81	0.67	3.66	2.79	0.73	3.60	2.79	0.75	3.50	2.79	0.79	3.34
22	30	4.23	2.58	0.62	4.07	2.55	0.68	3.90	2.51	0.73	3.84	2.50	0.76	3.74	2.49	0.79	3.58
24	32	4.39	2.43	0.62	4.23	2.38	0.68	4.07	2.35	0.74	4.00	2.34	0.76	3.90	2.32	0.80	3.74

Heating · 50Hz 220-240V·

AFR	10.5
-----	------

Indoor air temperature		Outdoor temperature [°C WB]															
		-25				-20				-15				-10			
[°C DB]	[°C WB]	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15	20	1.50	0.69	1.90	0.72	2.28	0.74	2.77	0.77	3.20	0.80	3.60	0.83	4.16	0.86	4.45	0.88
20	22	1.34	0.70	1.74	0.73	2.13	0.76	2.60	0.79	3.04	0.81	3.44	0.84	4.00	0.88	4.29	0.90
22	25	1.28	0.71	1.68	0.74	2.07	0.76	2.54	0.79	2.98	0.82	3.37	0.85	3.94	0.89	4.23	0.90
24	28	1.21	0.72	1.61	0.74	2.01	0.77	2.47	0.80	2.91	0.83	3.31	0.85	3.87	0.90	4.16	0.91
25	30	1.18	0.72	1.58	0.75	1.98	0.77	2.44	0.80	2.88	0.83	3.28	0.86	3.84	0.91	4.13	0.91
27	32	1.12	0.72	1.52	0.75	1.92	0.78	2.37	0.81	2.82	0.83	3.21	0.86	3.78	0.91	4.07	0.92

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

Indoor air temperature		Outdoor temperature [°C WB]															
		-25				-20				-15				-10			
[°C DB]	[°C WB]	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
20	22	3.20	1.87	3.60	2.07	4.40	2.19	5.00	2.24	5.23	2.27	5.84	2.30	6.70	2.33	6.97	2.64

Heating peak capacity at maximum operating frequency.

Symbols

AFR	Air flow rate [m³/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 b

4D148102A

3 Electrical data

3 - 1 Electrical Data

FTXTP35A / RXTP35A

FTXTP35ASV1B + RXTP35AZV1B

Cooling · 50Hz 220 -240V·

AFR	11
BF	0.10

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	3.59	2.65	0.57	3.42	2.59	0.62	3.26	2.53	0.68	3.19	2.52	0.70	3.10	2.49	0.73	2.93	2.46	0.79
16	22	3.75	2.53	0.57	3.58	2.47	0.63	3.42	2.41	0.68	3.36	2.39	0.71	3.26	2.36	0.74	3.10	2.32	0.79
18	25	3.91	2.65	0.58	3.75	2.60	0.63	3.58	2.55	0.69	3.52	2.54	0.71	3.42	2.52	0.74	3.26	2.50	0.80
19	27	3.99	2.84	0.58	3.83	2.81	0.63	3.66	2.79	0.69	3.60	2.79	0.71	3.50	2.79	0.74	3.34	2.81	0.80
22	30	4.23	2.58	0.58	4.07	2.55	0.64	3.90	2.51	0.69	3.84	2.50	0.71	3.74	2.49	0.75	3.58	2.48	0.80
24	32	4.39	2.43	0.59	4.23	2.38	0.64	4.07	2.35	0.70	4.00	2.34	0.72	3.90	2.32	0.75	3.74	2.30	0.81

Heating · 50Hz 220 -240V·

AFR	10.5
-----	------

Indoor air temperature		Outdoor temperature [°C WB]													
		-25		-20		-15		-10		-5		0		6	
[°C DB]		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15		1.50	0.69	1.90	0.72	2.28	0.74	2.77	0.77	3.20	0.80	3.60	0.83	4.16	0.86
20		1.34	0.70	1.74	0.73	2.13	0.76	2.60	0.79	3.04	0.81	3.44	0.84	4.00	0.88
22		1.28	0.71	1.68	0.74	2.07	0.76	2.54	0.79	2.98	0.82	3.37	0.85	3.94	0.89
24		1.21	0.72	1.61	0.74	2.01	0.77	2.47	0.80	2.91	0.83	3.31	0.85	3.87	0.90
25		1.18	0.72	1.58	0.75	1.98	0.77	2.44	0.80	2.88	0.83	3.28	0.86	3.84	0.91
27		1.12	0.72	1.52	0.75	1.92	0.78	2.37	0.81	2.82	0.83	3.21	0.86	3.78	0.91

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

Indoor air temperature		Outdoor temperature [°C WB]													
		-25		-20		-15		-10		-5		0		6	
[°C DB]		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
20		3.20	1.87	3.60	2.07	4.40	2.19	5.00	2.24	5.23	2.27	5.84	2.30	6.70	2.33

Heating peak capacity at maximum operating frequency.

Symbols

AFR	Air flow rate [m³/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

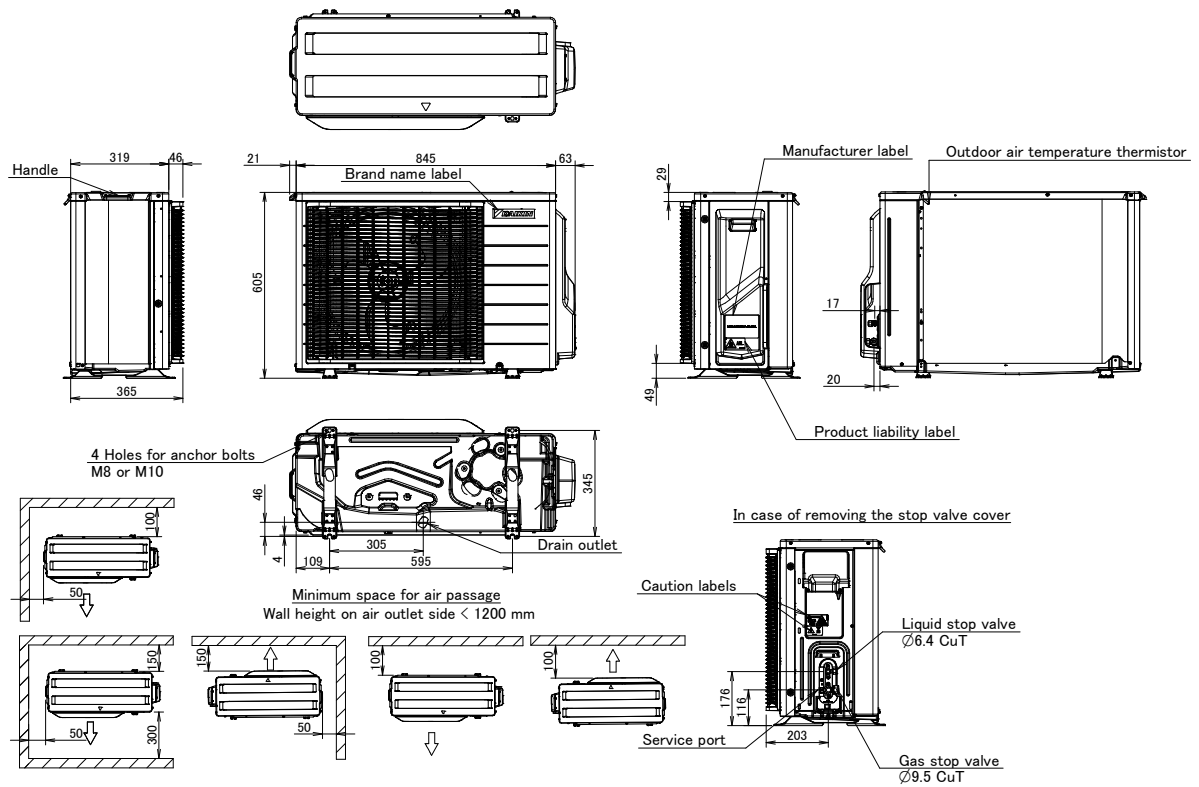
- The ratings shown are net capacities which include a deduction for indoor fan motor heat.
- Nominal capacity and nominal input
- The total capacity, power input and sensible heat capacity must be calculated by interpolation, using the figures in the table (figures not in the table may not be used in 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.

4D152227

5 Dimensional drawings

5 - 1 Dimensional Drawings

RXTP-A

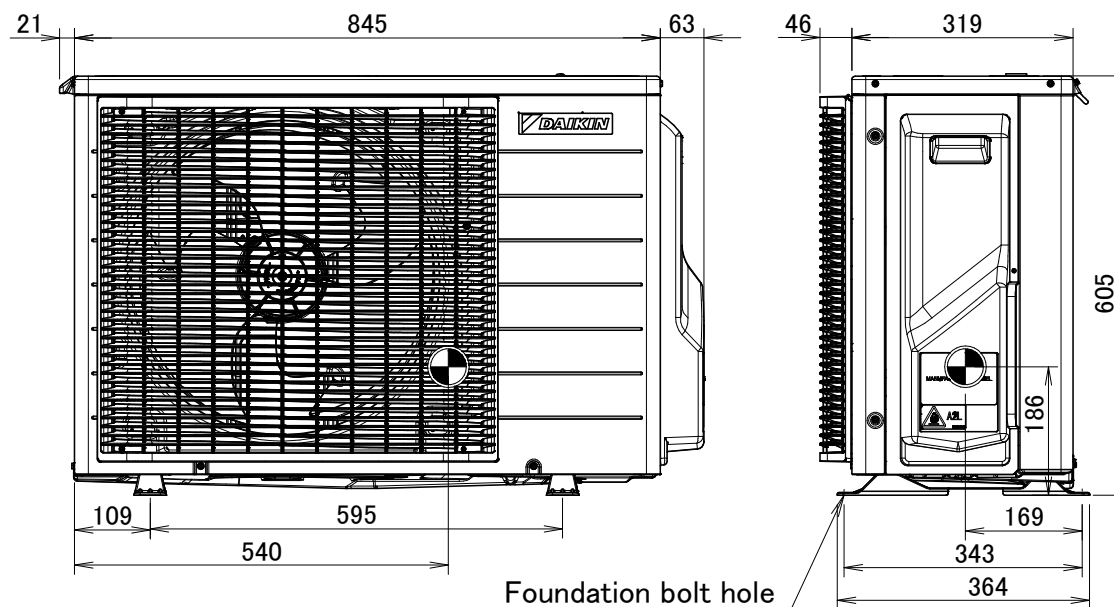


3D147537

6 Centre of gravity

6 - 1 Centre of Gravity

RXTP-A

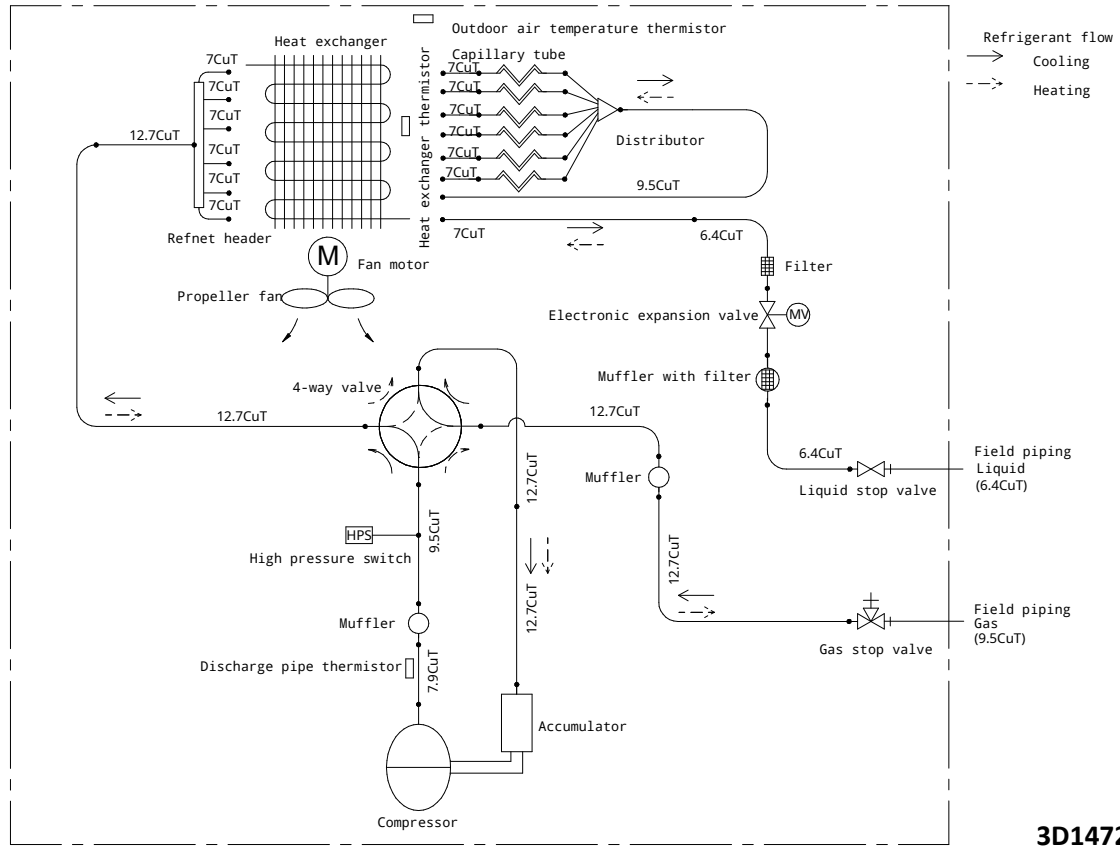


4D147582

7 Piping diagrams

7 - 1 Piping Diagrams

RXTP-A Outdoor unit



8 - 1 Wiring Diagrams - Three Phase

Wiring diagram

For the power requirements, refer to the nameplate.

Indoor

Outdoor

Field wiring

E2H: Drain hose heater (Option)

A1P, A2P: Printed circuit board

C415: Capacitor

DB1: Diode bridge

E1H: Drain pan heater

E2H: Drain hose heater

Legend:

- BLK: Black
- WHT: White
- BRN: Brown
- RED: Red
- GRN: Green
- YELW: Yellow
- ORG: Orange
- BLU: Blue
- GRY: Grey
- ⊕: Protective earth
- ⊖: Earth

Components and Specifications:

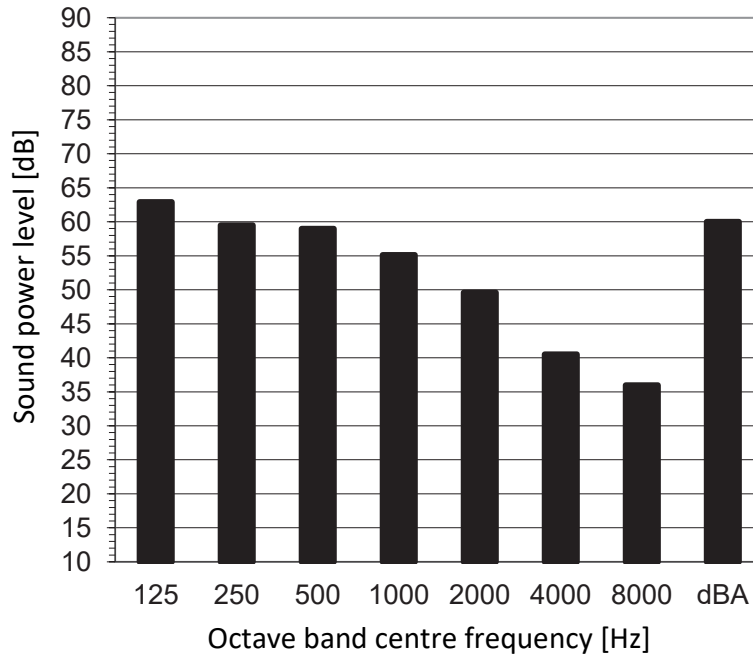
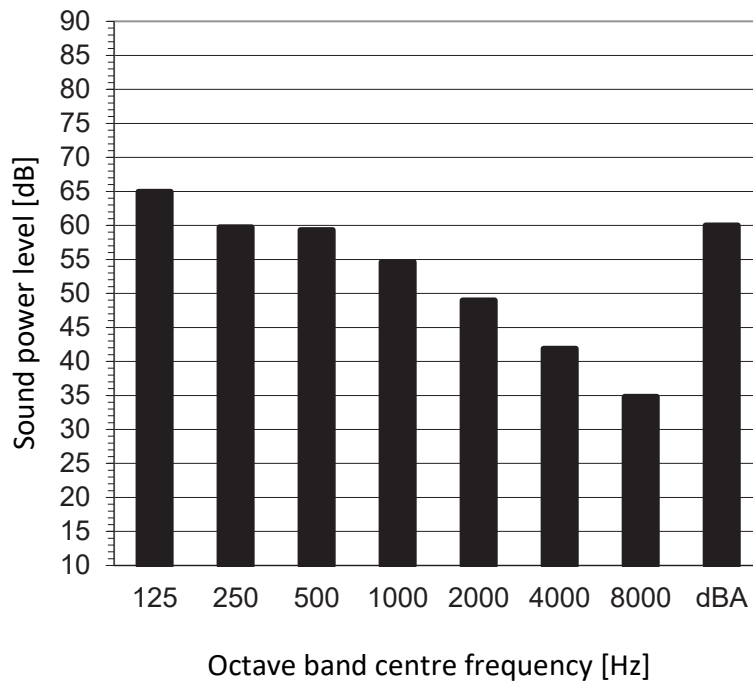
- F1U, F2U, F3U, F4U, F31U, F401U: Fuse
- IPM801: Intelligent power module
- IPM801: L: Live
- M1C: Compressor motor
- M1F: Fan motor
- N: Neutral
- PAM: Pulse-amplitude modulation
- PS: Switching power supply
- Q1L: Overload protector
- S1PH: High pressure switch
- S1T: Thermostat
- SA1: Surge arrester
- X1M, X2M: Terminal strip
- X1E: Electronic expansion valve coil
- Y1S: Reversing solenoid valve coil

3D147201A

9 Sound data

9 - 1 Sound Power Spectrum

RXTP-A

Cooling mode

Heating mode


■ Fan speed: High

Notes

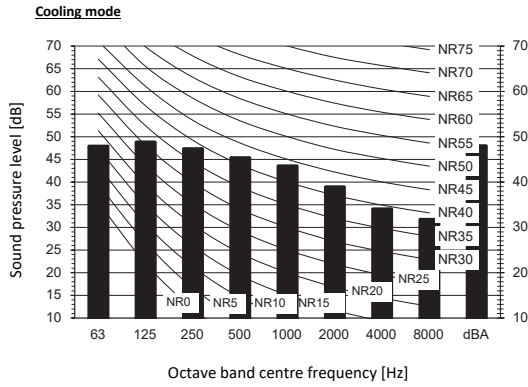
1. dBA = A-weighted sound power level (A scale according to IEC).
2. Reference acoustic power 0 dB = 10^{-12} W/m².
3. Measured according to ISO 3744

4D147893

8 Wiring diagrams

9 - 2 Sound Pressure Spectrum

RXTP-A



Cooling
Total dB

A	B
dBA	48

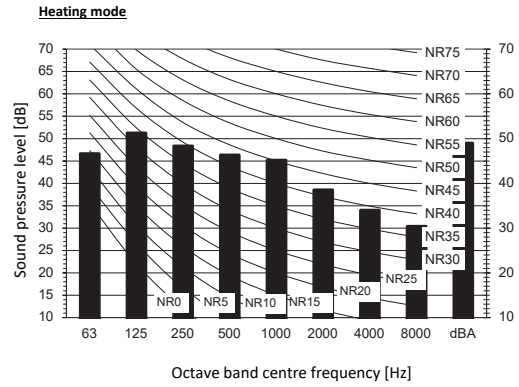
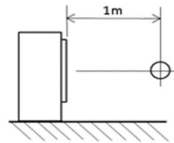
Legend

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

A Scale

B Fan speed: High

Location of microphone



Heating
Total dB

A	B
dBA	49

Notes

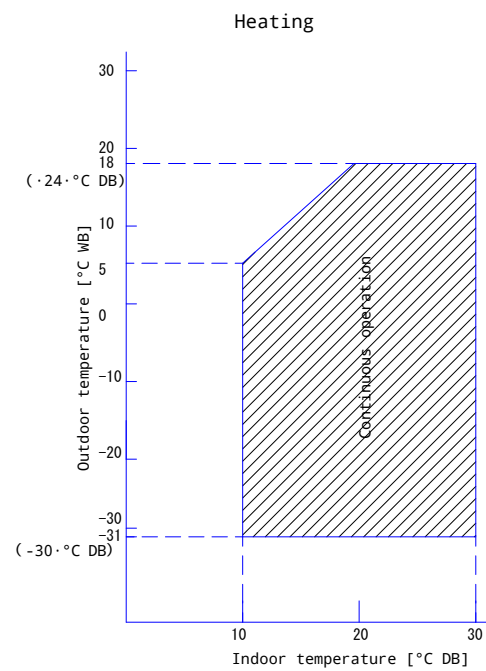
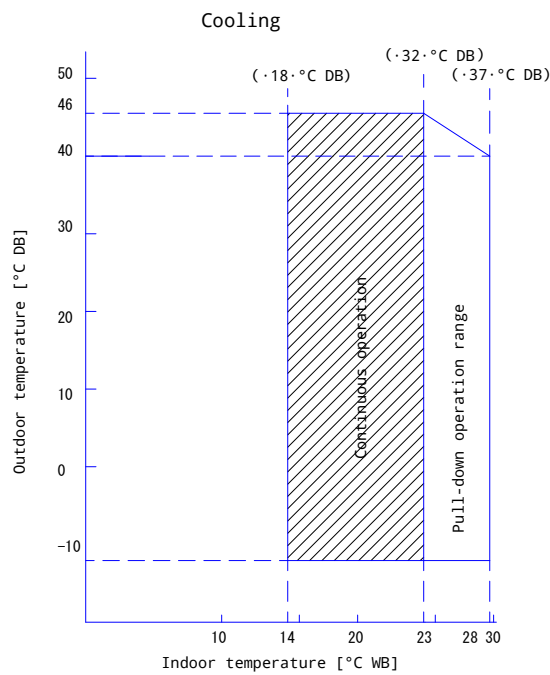
1. Operating conditions: power source 220-240 V 50 Hz; JIS standard
2. Background noise already taken into account.
3. Operating noise varies depending on operation and ambient conditions.
4. The operation noise measuring method is in accordance with JISC9612.
5. Measuring location: anechoic chamber

4D147892

10 Operation range

10 - 1 Operation Range

RXTP-A



Notes

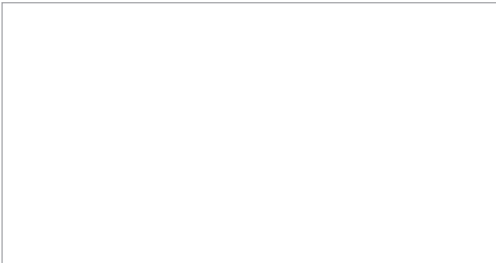
1)The graph is based on the following conditions.

Corresponding refrigerant piping length: 5 m

Level difference: 0 m

Air flow rate High

3D147780



EEDEN24

10/2024



Daikin Europe N.V. participates in the ECP programmes for Fan Coil Units and Variable Refrigerant Flow systems. Daikin Applied Europe S.p.A. participates in the ECP programmes for Liquid Chilling Packages and Hydronic Heat Pumps. Check ongoing validity of certificate: www.eurovent-certification.com

The present leaflet is drawn up by way of information only and does not constitute an offer binding upon Daikin Europe N.V. Daikin Europe N.V. has compiled the content of this leaflet to the best of its knowledge. No express or implied warranty is given for the completeness, accuracy, reliability or fitness for particular purpose of its content and the products and services presented therein. Specifications are subject to change without prior notice. Daikin Europe N.V. explicitly rejects any liability for any direct or indirect damage, in the broadest sense, arising from or related to the use and/or interpretation of this leaflet. All content is copyrighted by Daikin Europe N.V.