Air Conditioning Technical Data

RXTP-A

EEDEN23

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RXTP-A

1 Features

1 - 1 RXTP-A

› Guaranteed heating capacity at low ambient temperature, down to -30°C
› Developed for regions with severe winter conditions
› Thanks to the unique free hanging coil of the outdoor unit, the defrost cycle is improved, resulting in lower running costs and no ice build-up

-30°
Guaranteed operation down to -30°C

2 Specifications

2 - 1 Specifications

Technical specifications				FTXTP25N + RXTP25A	FTXTP35N + RXTP35A
Cooling capacity	Min.		kW	1.0	
	Min.		Btu/h	3,412.0	
	Min.		kcal/h	859.0	
	Nom.		kW	2.5	3.5
	Nom.		Btu/h	8,530.0	11,942.0
	Nom.		kcal/h	2,149.0	3,009.0
	Max.		kW	4.1	4.5
	Max.		Btu/h	13,989.0	15,354.0
	Max.		kcal/h	3,525.0	3,869.0
Cooling capacity - Low sound mode (Stb. 2020, 189)	Min.		kW	1.0	
	Min.		Btu/h	3,412.0	
	Min.		kcal/h	859.0	
	Nom.		kW	2.5	3.5
	Nom.		Btu/h	8,530.0	11,942.0
	Nom.		kcal/h	2,149.0	3,009.0
	Max.		kW	4.1	4.5
	Max.		Btu/h	13,989.0	15,354.0
	Max.		kcal/h	3,525.0	3,869.0
Heating capacity	Min.		kW	1.0	
	Min.		Btu/h	3,412.0	
	Min.		kcal/h	859.0	
	Nom.		kW	3.2	4.0
	Nom.		Btu/h	10,918.0	13,648.0
	Nom.		kcal/h	2,751.0	3,439.0
	Max.		kW	6.20	6.70
	Max.		Btu/h	21,155.0	22,861.0
	Max.		kcal/h	5,331.0	5,760.0
Heating capacity - Low sound mode (Stb. 2020, 189)	Min.		kW	1.0	
	Min.		Btu/h	3,412.0	
	Nom.		kW	3.2	4.0
	Nom.		Btu/h	10,918.0	13,648.0
	Nom.		kcal/h	2,751.0	3,439.0
	Max.		kW	5.5	
	Max.		Btu/h	18,766.0	
	Max.		kcal/h	4,729.0	
Power input	Cooling	Nom.	kW	0.52	0.79
Power input	Heating	Nom.	kW	0.65	0.88
Nominal efficiency	EER			4.88	4.45
	COP			4.95	4.55
	Annual energy consumption		kWh	260	395
	Energy labeling Directive	Cooling		A	
		Heating		A	
Nominal efficiency - Low sound mode (Stb. 2020, 189)	EER			4.88	4.45
	COP			4.95	4.55
	Annual energy consumption		kWh	260	395
Space cooling	Energy efficiency class			A+++	
	Capacity	Pdesign	kW	2.50	3.50
	SEER			8.55	8.51
	Annual energy consumption		kWh/a	102	144
Space cooling - Low sound mode (Stb. 2020, 189)	Capacity	Pdesign	kW	2.50	3.50
	SEER			8.55	8.51
	Annual energy consumption		kWh/a	102	144
Space heating (Average climate)	Capacity	Pdesign	kW	2.50	3.00
	Energy efficiency class			A++	
	SCOP/A			4.95	4.85
	SCOPnet/A			4.96	4.86
	Pdh Heating capacity at -10°		kW	2.50	3.00
	Annual energy consumption		kWh/a	707	866
	Required back up heating cap at design conditions		kW	0.00	
Space heating (Average climate) - Low sound mode (Stb. 2020, 189)	Capacity	Pdesign	kW	2.50	3.00
	SCOP/A			4.95	4.85
	SCOPnet/A			4.96	4.86
	Pdh Heating capacity at -10°		kW	2.50	3.00
	Annual energy consumption		kWh/a	707	866
	Required back up heating cap at design conditions		kW	0.00	
Space heating (Cold climate)	Capacity	Pdesignh	kW	3.65	4.38
	Energy efficiency class			A	
	SCOP/C			3.96	3.79
	SCOPnet/C			4.00	3.83
	Annual energy consumption		kWh/a	1,937	2,426
	Required back up heating cap at design conditions		kW	0.67	0.80

2 Specifications

2 - 1 Specifications

Technical specifications				FTXTP25N + RXTP25A	FTXTP35N + RXTP35A
Space cooling	A Condition (35°C - 27/19)	Pdc	kW	2.50	3.50
		EERd		4.88	4.45
Space cooling	A Condition (35°C - 27/19)	Power input	kW	0.52	0.79
	B Condition (30°C - 27/19)	Pdc	kW	1.85	2.58
		EERd		8.11	7.02
		Power input	kW	0.23	0.37
	C Condition (25°C - 27/19)	Pdc	kW	1.66	
		EERd		11.09	10.99
		Power input	kW	0.15	0.16
	D Condition (20°C - 27/19)	Pdc	kW	1.70	
		EERd		11.64	
		Power input	kW	0.15	
Space cooling - Low sound mode (Stb. 2020, 189)	A Condition (35°C - 27/19)	Pdc	kW	2.50	3.50
		EERd		4.88	4.45
		Power input	kW	0.52	0.79
	B Condition (30°C - 27/19)	Pdc	kW	1.85	2.58
		EERd		8.11	7.02
		Power input	kW	0.23	0.37
	C Condition (25°C - 27/19)	Pdc	kW	1.66	
		EERd		11.09	10.99
		Power input	kW	0.15	0.16
	D Condition (20°C - 27/19)	Pdc	kW	1.70	
		EERd		11.64	
		Power input	kW	0.15	
Space heating (Average climate)	TOL	Tol (temperature operating limit)	°C	-10	
		Pdh (declared heating cap)	kW	2.50	3.00
		COPd (declared COP)		3.09	2.87
		Power input	kW	0.81	1.05
	TBivalent	Tbiv (bivalent temperature)	°C	-10.0	
		Pdh (declared heating cap)	kW	2.50	3.00
		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	0.89
	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	0.34
	C Condition (7°C)	Pdh (declared heating cap)	kW	1.20	
Space heating (Average climate)	C Condition (7°C)	COPd (declared COP)		6.31	
		Power input	kW	0.20	
	D Condition (12°C)	Pdh (declared heating cap)	kW	1.42	
		COPd (declared COP)		7.93	
		Power input	kW	0.18	
Space heating (Average climate) - Low sound mode (Stb. 2020, 189)	TOL	Tol (temperature operating limit)	°C	-10	
		Pdh (declared heating cap)	kW	2.50	3.00
		COPd (declared COP)		3.09	2.87
		Power input	kW	0.81	1.05
	TBivalent	Tbiv (bivalent temperature)	°C	-10.0	
		Pdh (declared heating cap)	kW	2.50	3.00
		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	0.89
	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	0.34
	C Condition (7°C)	Pdh (declared heating cap)	kW	1.20	
		COPd (declared COP)		6.31	
		Power input	kW	0.20	
	D Condition (12°C)	Pdh (declared heating cap)	kW	1.42	
		COPd (declared COP)		7.93	
		Power input	kW	0.18	

2 Specifications

2 - 1 Specifications

Technical specifications					FTXTP25N + RXTP25A	FTXTP35N + RXTP35A
Space heating (Cold climate)	TOL	Tol (temperature operating limit)		°C	-22	
		Pdh (declared heating cap)		kW	2.98	3.58
		COPd (declared COP)			1.61	1.58
		Power input		kW	1.86	2.27
	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	1.42	1.77
	A Condition (-15°C)	Pdh (declared heating cap)		kW	2.98	3.58
		COPd (declared COP)			2.11	2.03
		Power input		kW	1.42	1.77
	A Condition (-7°C)	Pdh (declared heating cap)		kW	2.22	2.66
Space heating (Cold climate)	A Condition (-7°C)	COPd (declared COP)			3.32	3.02
		Power input		kW	0.67	0.89
	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	0.34
	C Condition (7°C)	Pdh (declared heating cap)		kW	1.20	
		COPd (declared COP)			6.31	
		Power input		kW	0.20	
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.42	
		COPd (declared COP)			7.93	
		Power input		kW	0.18	
Power consumption in other than active mode	Crankcase heater mode	PCK		W	0.0	
	Off mode	POFF		W	1.0	
	Standby mode	Cooling	PSB	W	1.0	
		Heating	PSB	W	1.0	
	Thermo-stat-off mode	PTO	Cooling	W	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	
	Sound power level indoor	Cooling	Nom.	dBA	58	
	Piping length	Cooling	Measuring condition	m	5.0	

Electrical specifications				FTXTP25N + RXTP25A	FTXTP35N + RXTP35A
Power factor	Nominal	Cooling	%	69.51	72.61
		Heating	%	71.14	74.68
Current	Nominal running current (RLA) - 50Hz	Heating	A	3.20	4.53
	Nominal running current (RLA) - 60Hz	Heating	A	3.88	5.44
Current - 50Hz	Maximum fuse amps (MFA)		A	16	

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
Cooling capacity - Low sound mode (Stb. 2020, 189)	Min.	kcal/h	-	
	Max.	kcal/h	-	

2 Specifications

2 - 1 Specifications

Technical specifications				FTXTP25M + RXTP25A	FTXTP35M + RXTP35A
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 Directive	Cooling		A	
		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
Space heating (Average climate)	Capacity	Pdesign	kW	2.50	3.00
	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
Space heating (Average climate)	Annual energy consumption		kWh/a	710	873
	Required back up heating cap at design conditions		kW	0.00	
Space heating (Cold climate)	Capacity	Pdesignh	kW	3.65	4.38
	Energy efficiency class			A	
	SCOP/C			3.93	3.82
	SCOPnet/C			4.00	3.89
	Annual energy consumption		kWh/a	1,953	2,406
	Required back up heating cap at design conditions		kW	1.17	1.39
Space cooling	A Condition (35°C - 27/19)	Pdc	kW	2.50	3.50
		EERd		4.40	3.80
		Power input	kW	0.57	0.92
	B Condition (30°C - 27/19)	Pdc	kW	1.85	2.58
		EERd		6.54	5.83
		Power input	kW	0.28	0.44
	C Condition (25°C - 27/19)	Pdc	kW	1.61	1.66
		EERd		9.44	9.64
		Power input	kW	0.17	
	D Condition (20°C - 27/19)	Pdc	kW	1.55	
		EERd		8.81	9.12
		Power input	kW	0.18	0.17
Space heating (Average climate)	TOL	Tol (temperature operating limit)	°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
	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	
Space heating (Average climate)	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

2 Specifications

2 - 1 Specifications

Technical specifications					FTXTP25M + RXTP25A	FTXTP35M + RXTP35A
Space heating (Cold climate)	TOL	Tol (temperature operating limit)		°C	-22	
		Pdh (declared heating cap)		kW	2.48	2.99
		COPd (declared COP)			1.56	
		Power input		kW	1.59	1.92
	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 (-15°C)	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
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	
	Sound power level indoor	Cooling	Nom.	dBA	58	
	Piping length	Cooling	Measuring condition	m	5.00	

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)		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

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	

2 Specifications

2 - 1 Specifications

Technical Specifications					RXTP25A	RXTP35A
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	
			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	1,300.0	
	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	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	
Refrigerant	Type				R-32	
	Charge			kg	0.97	
	Control				Expansion valve	
Refrigerant	GWP				675.0	

2 Specifications

2 - 1 Specifications

Technical Specifications					RXTP25A	RXTP35A
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				RXTP25A	RXTP35A
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

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 FTXTJ30A2V1BB	RXTJ30A2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14,66	16	36	3,3	0,049	0,58	0,029	0,25
		50	230					3,2				
		50	240					3,1				
FTXTA30C2V1BW FTXTA30C2V1BB	RXTA30C2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14,83	16	36	3,3	0,049	0,58	0,041	0,40
		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
		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				

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.

4D147511

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FTXTP25N / RXTP25A

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	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	1,76	0,54
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	1,66	0,55
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	1,79	0,55
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	2,00	0,55
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	1,77	0,55
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	1,64	0,56

Heating ·50Hz 220 -240V·

AFR	10,5

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	1,24	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	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	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	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	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	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		-5		0		**6**		10	
[°C DB]	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
20	2,90	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

1. The ratings shown are net capacities which include a deduction for indoor fan motor heat.
2. ☐ Nominal capacity and nominal input
3. 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).
4. In case the sensible heat capacity is not mentioned in the table, please calculate it using an approximation between two values in direct proportion.
5. The capacities are based on the following conditions:
   Corresponding refrigerant piping length: ·5· m
   Level difference: ·0·m
6. The air flow rate and bypass factor are mentioned in the table.

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FTXTP35N / RXTP35A

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	0,60	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	2,46	0,84
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	2,32	0,84
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	2,50	0,84
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	2,81	0,85
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	2,48	0,85
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	2,30	0,85

Heating ·50Hz 220 -240V·

AFR	10,5

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	1,50	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	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	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	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	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	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		-5		0		**6**		10	
[°C DB]	TC	PI	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	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

1. The ratings shown are net capacities which include a deduction for indoor fan motor heat.
2. ☐ Nominal capacity and nominal input
3. 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).
4. In case the sensible heat capacity is not mentioned in the table, please calculate it using an approximation between two values in direct proportion.
5. The capacities are based on the following conditions:
   Corresponding refrigerant piping length: ·5· m
   Level difference: ·0·m
6. The air flow rate and b

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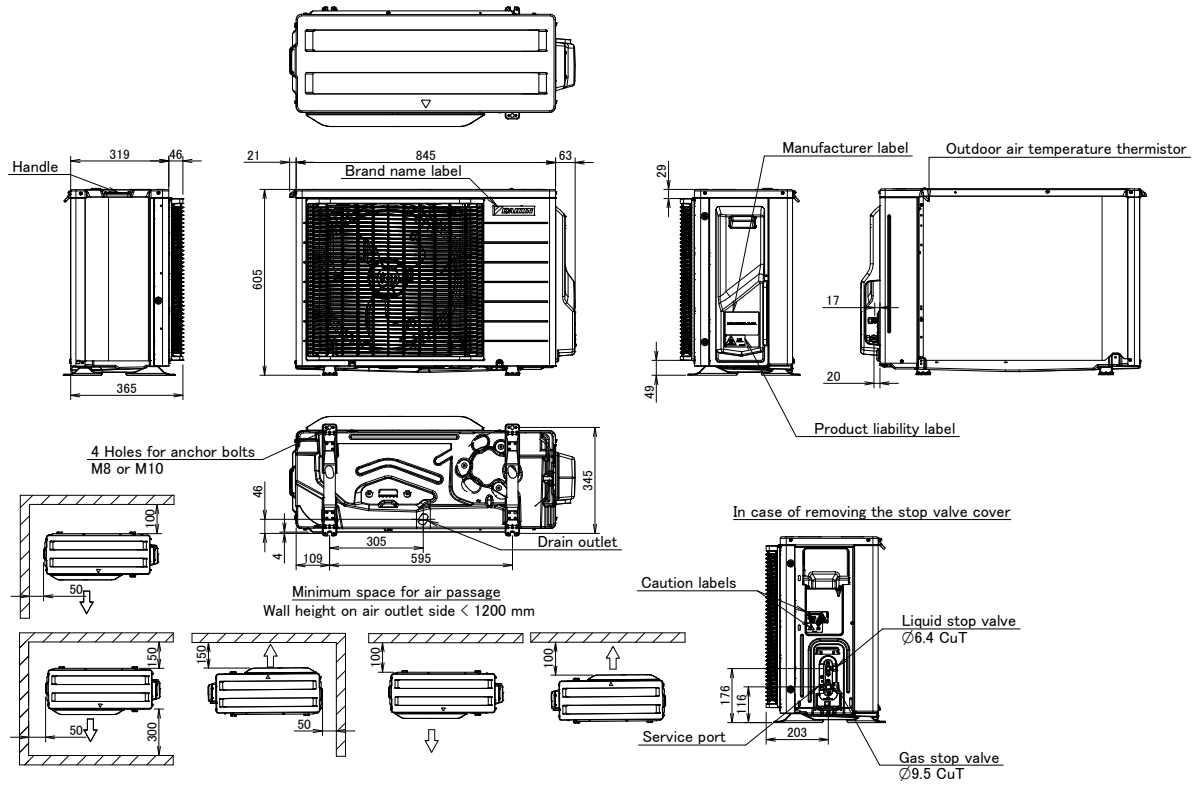
5 Dimensional drawings

5 - 1 Dimensional Drawings

RXTP-A



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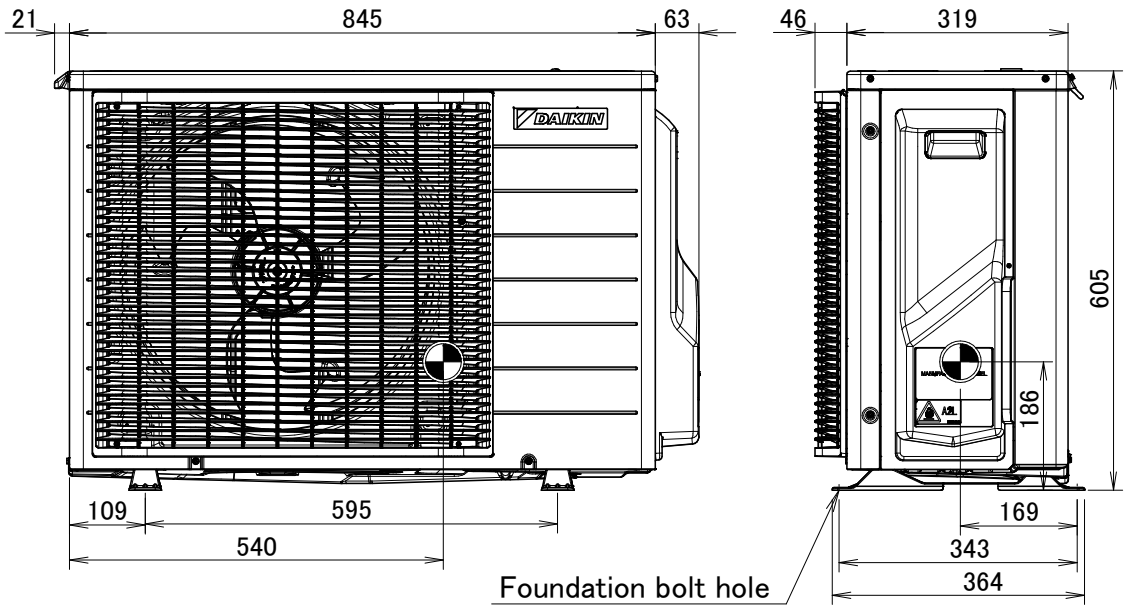
6 Centre of gravity

6 - 1 Centre of Gravity

RXTP-A



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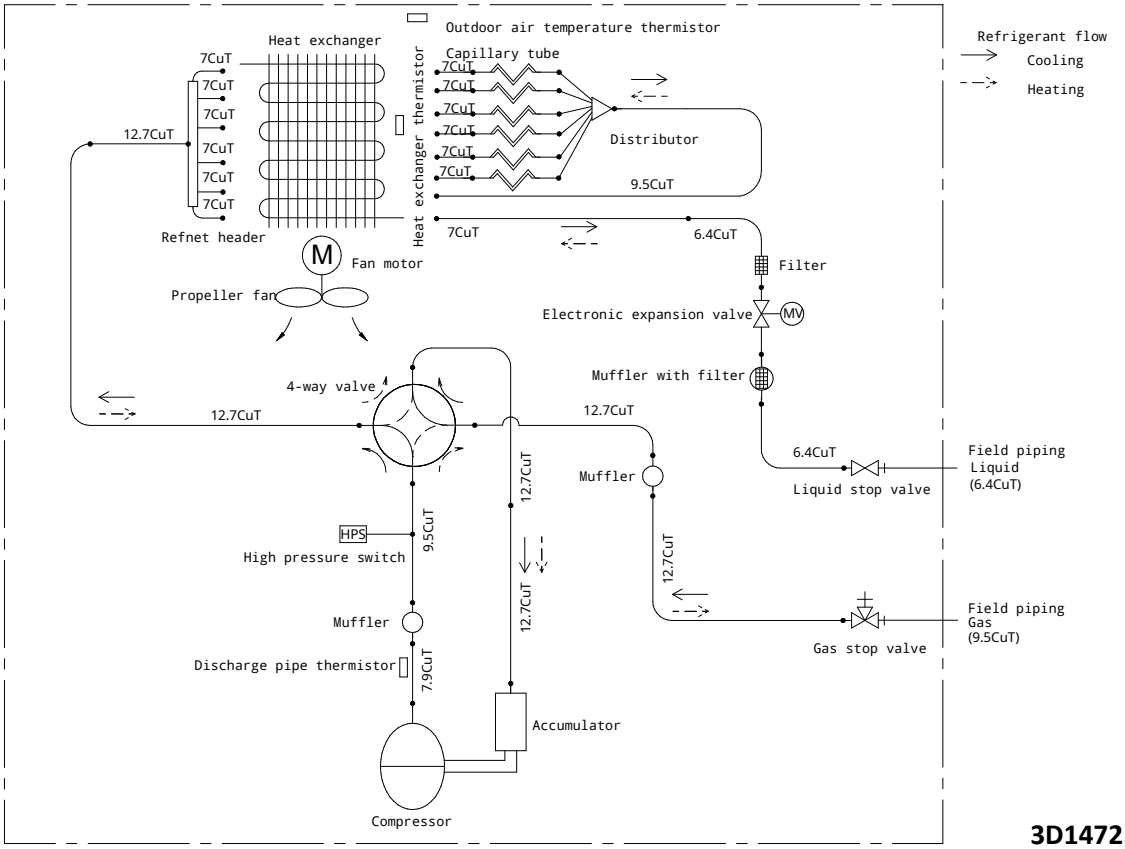
7 Piping diagrams

7 - 1 Piping Diagrams

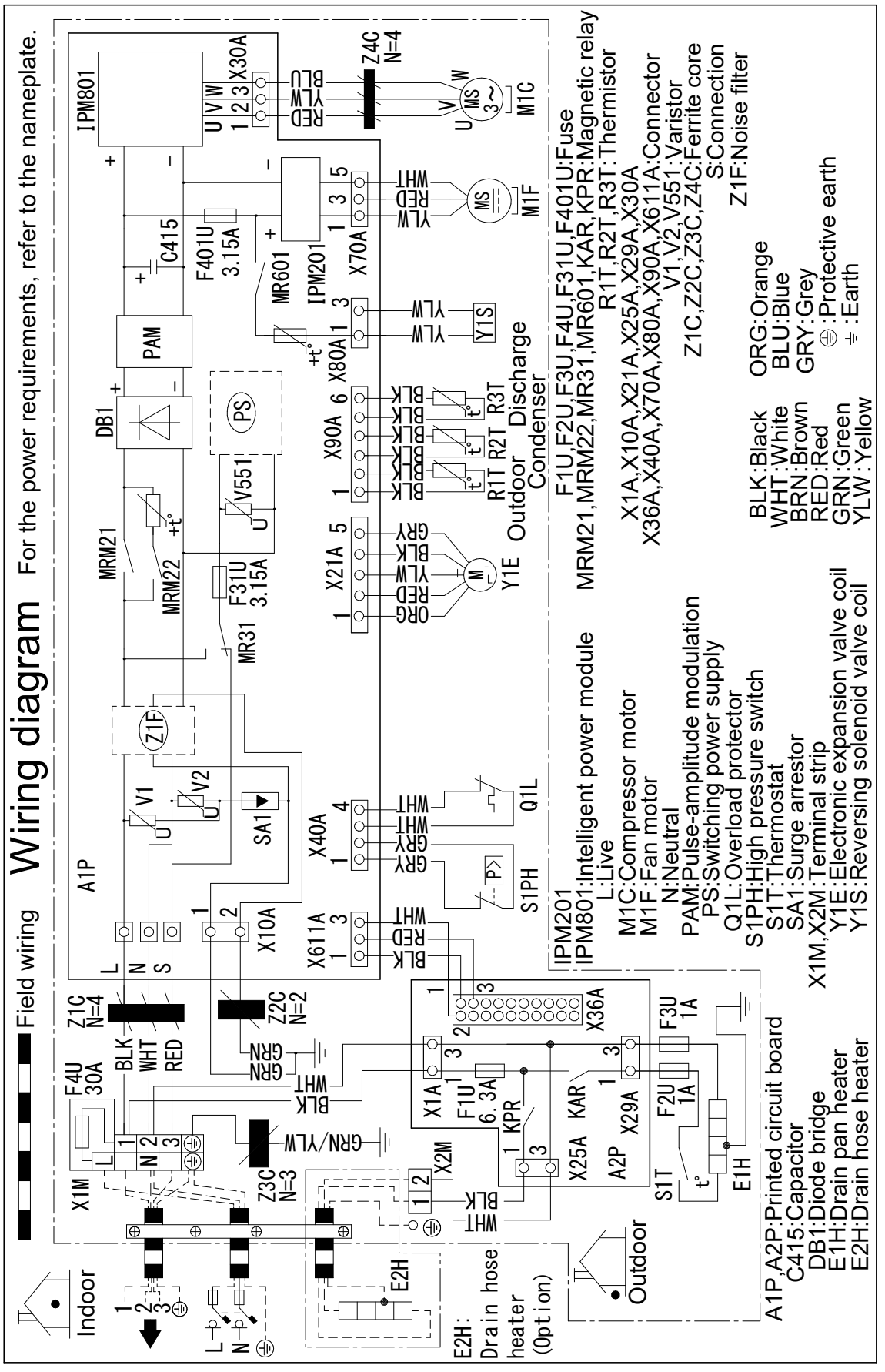
RXTP-A Outdoor unit



8 Wiring diagrams

8 - 1 Wiring Diagrams - Three Phase

RXTP-A

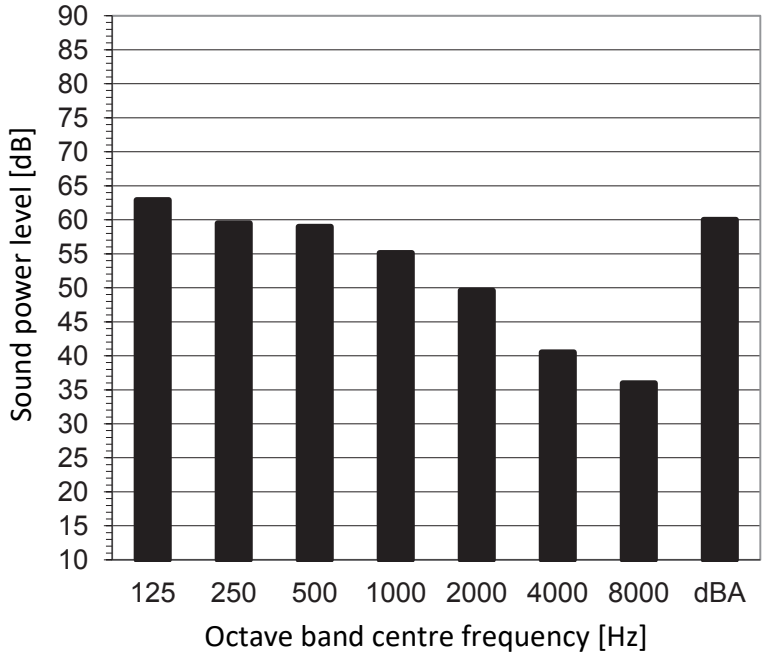


9 Sound data

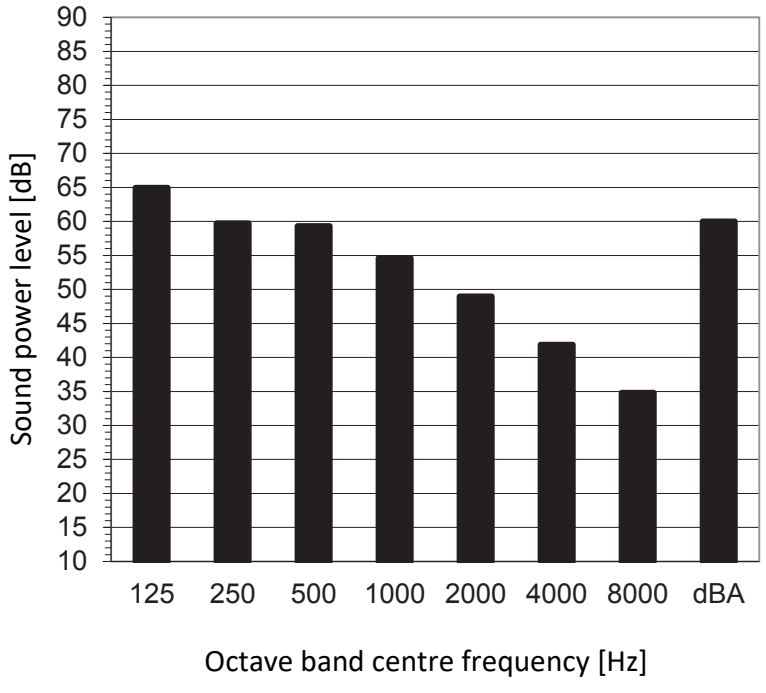
9 - 1 Sound Power Spectrum

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

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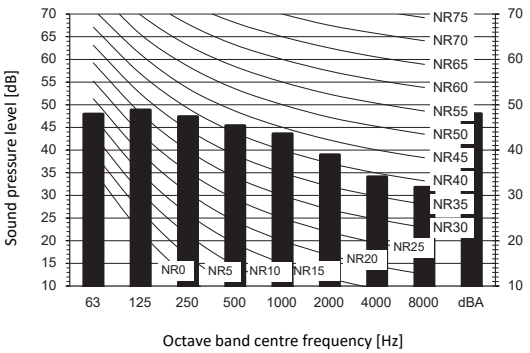
9 Sound data

9 - 2 Sound Pressure Spectrum

RXTP-A

Cooling mode

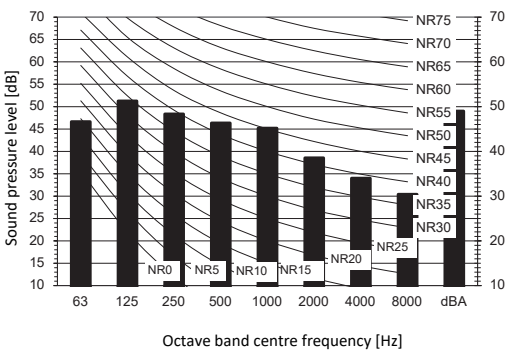


Octave band centre frequency [Hz]

Cooling
Total dB

A	B
dBA	48

Heating mode



Octave band centre frequency [Hz]

Heating
Total dB

A	B
dBA	49

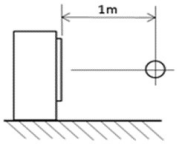
Legend

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

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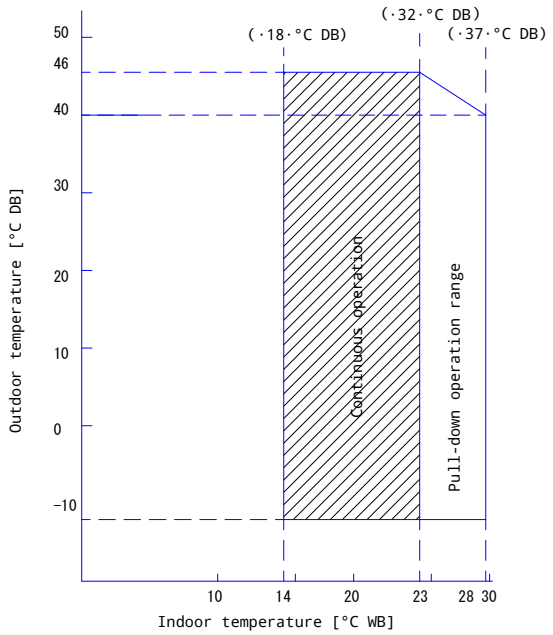
10 Operation range

10 - 1 Operation Range

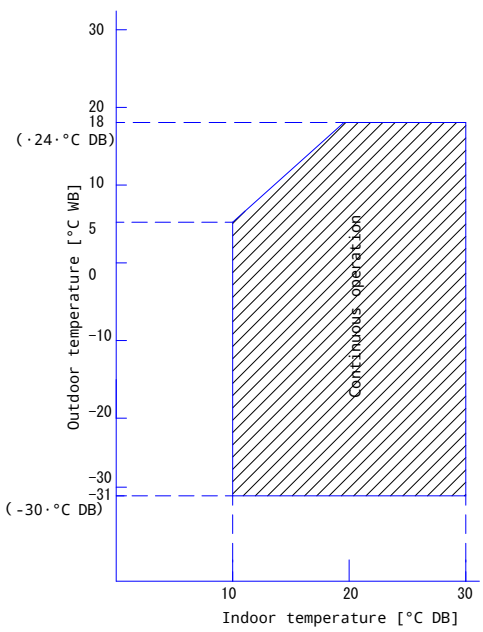
10

RXTP-A

Cooling



Heating



Notes

1)The ·graph· is based on the following conditions.

Corresponding refrigerant piping length: ·5· m
Level difference: ·0·m
Air flow rate High

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