Air Conditioning Technical Data

RXM-A

EEDEN24A

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RXM-A

1 Features

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› Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency
› Anti-corrosion treated outdoor heat exchanger fin
› Outdoor units are fitted with a swing compressor, renowned for its low noise and high energy efficiency
› Outdoor units for pair application
› Daikin outdoor units are neat, sturdy and can easily be mounted on a roof or terrace or simply placed against an outside wall

Outdoor unit silent operation (3 steps + auto)

2 Specifications

2 - 1 Specifications

Technical Specifications					RXM20A	RXM25A	RXM35A	RXM42A	RXM50A	RXM60A	RXM71A
Casing	Colour				Ivory white						
Dimensions	Unit	Height		mm	610				734		
		Width		mm	923				954		
		Depth		mm	367				401		
	Packed unit	Height		mm	675				820		
		Width		mm	1,007				1,050		
		Depth		mm	450				480		
Weight	Unit			kg	36			40	49		55
	Packed unit			kg	40			43	53		60
Packing	Weight			kg	4						5
Heat exchanger	Length			mm	869				920		
	Rows	Quantity			2						
	Fin pitch			mm	1.4						
	Stages	Quantity			26				32		
	Passes	Quantity			4.3				2.2		
	Tube type				ø7 Hi-XD						
	Tube material				Copper					-	-
	Tube diameter			mm	7					-	-
	Fin	Type			Waffle fin (PE)						
Fan	Type				Propeller fan						
	Air flow rate	Cooling	High	m^3/min	39.1			40.1	58	-	-
				cfm	1,381			1,416	2,048	-	-
			Nom.	m^3/min	38.5		39.1	40.1	58	46.6	-
				cfm	1,360		1,381	1,416	2,048	1,645	1,730
			Medium	m^3/min	36.5			38.5	56.3	-	49
				cfm	1,289			1,360	1,988	-	-
			Low	m^3/min	26.4				56.3	-	-
				cfm	932				1,988	-	-
			Silent operation	m^3/min	26.4				36.6	-	-
				cfm	932				1,293	-	-
		Heating	High	m^3/min	39.1			40.1	54.7	-	-
				cfm	1,381			1,416	1,932	-	-
			Nom.	m^3/min	35.0		38.0	38	54.7	44.1	-
				cfm	1,236		1,342		1,932	1,557	1,632
			Medium	m^3/min	21.3			35.0	36.6	-	46.2
				cfm	752			1,236	1,293	-	-
Fan	Air flow rate	Heating	Low	m^3/min	16.3			26.4	36.6	-	-
				cfm	576			932	1,293	-	-
Fan motor	Model				DFC05A3VA				D55F-31	DFC07A1VA	
	Output			W	50				40	55	128
	Speed	Cooling	High	rpm	850			870	760		880
			Nom.	rpm	840		850	870	760	740	780
			Medium	rpm	800			840	740	-	-
			Low	rpm	600				740	640	700
			Super low	rpm	600				500	-	-
		Heating	High	rpm	850			870	720		780
			Nom.	rpm	770		830		720		740
			Low	rpm	400			600	500	660	680
			Medium	rpm	500			770	500	-	-
Compressor	Model				1Y091BKBX1P#D			2YC40JXD#D	2YC40JXD#D	2Y147BKBX1P#D	2Y260BPBX1P#C
	Oil Amount			cm^3	375				650		900
	Type				Hermetically sealed swing compressor						
	Output			W	800				1,300		2,400
	Oil Type				FW68DA						
Operation range	Cooling	Ambient	Min.	°CDB	-10						
			Max.	°CDB	50				50 (1) / 46 (1)	50	46
	Heating	Ambient	Min.	°CWB	-21				-21 (1) / -15 (1)	-21	-15
				°CDB	-20				-20 (1) / -15 (1)	-20	-15
			Max.	°CWB	18						
				°CDB	24						
Sound power level	Cooling	Max		dBA	61		62		63	-	-
		Nom.		dBA	58			61	62	63	66
		Night quiet mode		dBA	56			58	58	-	-
		Tonal adjustment		dBA	0				0	-	-
	Heating	Max		dBA	61		62		63	-	-
		Nom.		dBA	58		60	61	62	63	67
		Night quiet mode		dBA	56			58	58	-	-
		Tonal adjustment		dBA	0				0	-	-

2 Specifications

2 - 1 Specifications

Technical Specifications					RXM20A	RXM25A	RXM35A	RXM42A	RXM50A	RXM60A	RXM71A
Sound power level - Low sound mode (Stb. 2020, 189)	Cooling	Max.		dBA	59		60			-	-
		Night quiet mode		dBA	55					-	-
		Tonal adjustment		dBA	0					-	-
	Heating	Max.		dBA	59		60			-	-
		Night quiet mode		dBA	55					-	-
Sound power level - Low sound mode (Stb. 2020, 189)	Heating	Tonal adjustment		dBA	0					-	-
Sound pressure level	Cooling	Nom.		dBA	46		47	48			47
	Heating	Nom.		dBA	47		49				48
Refrigerant	Type				R-32						
	Charge			kg	0.95				1.1	1.15	
	Charge			tCO2Eq	0.65				0.75	0.78	
	Control				Expansion valve						
	GWP				675						
Piping connections	Liquid	OD		mm	6.4					6	
	Gas	OD		mm	9.5				12.7		15.9
	Drain	OD		mm	16 (inner diameter of connecting hose)				16 (inner diameter of connecting hose)	16	18
	Piping length	OU - IU	Min.	m	1.5				3	-	-
			Max.	m	20			30			
		System	Chargeless	m	10						
	Additional refrigerant charge			kg/m	0.02 (for piping length exceeding 10m)						
	Level difference	IU - OU	Max.	m	15			20			
	Heat insulation				Both liquid and gas pipes						
Capacity control	Method				Inverter controlled						

Standard accessories: Installation manual;Quantity: 1;

Standard accessories: Drain joint;Quantity: 1;

Standard accessories: Refrigerant charge label;Quantity: 1;

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

Standard accessories: General safety precautions;Quantity: 1;

Standard accessories: LOT10 Energy Label;Quantity: 1;

Standard accessories: Drain cap;Quantity: 3;

Standard accessories: RXM50A5V1B;Quantity: 1;

Standard accessories: Drain plug;Quantity: 1;

Electrical Specifications				RXM20A	RXM25A	RXM35A	RXM42A	RXM50A	RXM60A	RXM71A
Power supply	Name			V1						
	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)	Maximum fuse amps (MFA)	A	10		13		16		20

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

Technical specifications			FBA50A9 + RXM50A	FBA60A9 + RXM60A
Cooling capacity	Nom.	kW	5.00	5.7
	Nom.	Btu/h	17,100	19,400
	Nom.	kcal/h	4,299	4,884

2 Specifications

2 - 1 Specifications

Technical specifications				FBA50A9 + RXM50A	FBA60A9 + RXM60A
Heating capacity	Nom.		kW	5.50	7
	Nom.		Btu/h	18,800	23,900
	Nom.		kcal/h	4,729	6,019
Power input	Cooling	Nom.	kW	1.41	1.64
	Heating	Nom.	kW	1.44	1.89
Nominal efficiency	EER			3.55	3.48
	COP			3.83	3.71
	Annual energy consumption		kWh	704	819
	Energy labeling Directive	Cooling		A	
		Heating		A	
Space cooling	Energy efficiency class			A++	A+
	Capacity	Pdesign	kW	5.00	5.7
	SEER			6.27	5.91
	Annual energy consumption		kWh/a	279	336
Space heating (Average climate)	Energy efficiency class			A+	
	Capacity	Pdesign	kW	4.40	4.6
	SCOP/A			4.06	4.01
	SCOPnet/A			4.08	4.03
	Pdh Heating capacity at -10°		kW	3.73	3.99
	Annual energy consumption		kWh/a	1,517	1,607
	Required back up heating cap at design conditions		kW	0.67	0.61
Space heating (Warm climate)	Energy efficiency class			A+	
	Capacity	Pdesignh	kW	2.37	2.44
	SCOP			4.48	4.43
	SCOPnet			4.49	4.44
	Annual energy consumption		kWh/a	741	770
	Required back up heating cap at design conditions		kW	0.00	0
Space cooling	A Condition	Pdc	kW	5.00	5.7
	(35°C - 27/19)	EERd		3.55	3.48
		Power input	kW	1.41	1.64
	B Condition	Pdc	kW	3.69	4.2
	(30°C - 27/19)	EERd		5.26	5.05
		Power input	kW	0.70	0.83
Space cooling	C Condition	Pdc	kW	2.37	2.71
	(25°C - 27/19)	EERd		8.41	7.97
		Power input	kW	0.28	0.34
	D Condition	Pdc	kW	1.98	2.13
	(20°C - 27/19)	EERd		10.52	8.54
		Power input	kW	0.19	0.25
Space heating (Average climate)	TOL	Tol (temperature operating limit)	°C	-15	-10
	E condition	Pdh (declared heating cap)	kW	3.47	4
	(-10°C)	COPd (declared COP)		1.95	2.68
		Power input	kW	1.78	1.82
	TBivalent	Tbiv (bivalent temperature)	°C	-7	
		Pdh (declared heating cap)	kW	3.90	4.09
		COPd (declared COP)		3.09	3.01
		Power input	kW	1.26	1.36
	A Condition	Pdh (declared heating cap)	kW	3.90	4.09
	(-7°C)	COPd (declared COP)		3.09	3.01
		Power input	kW	1.26	1.36
	B Condition	Pdh (declared heating cap)	kW	2.37	2.44
	(2°C)	COPd (declared COP)		4.20	4.18
		Power input	kW	0.56	0.58
	C Condition	Pdh (declared heating cap)	kW	1.61	1.6
	(7°C)	COPd (declared COP)		4.55	4.41
		Power input	kW	0.35	0.36
	D Condition	Pdh (declared heating cap)	kW	1.58	1.79
	(12°C)	COPd (declared COP)		5.23	5.32
		Power input	kW	0.30	0.34
Space heating (Warm climate)	TOL	Tol (temperature operating limit)	°C	-15	
	E condition	Pdh (declared heating cap)	kW	3.47	3.85
	(2°C)	COPd (declared COP)		1.95	2.11
		Power input	kW	1.78	1.82
	TBivalent	Tbiv (bivalent temperature)	°C	2	
		Pdh (declared heating cap)	kW	2.37	2.48
		COPd (declared COP)		4.20	4.18
		Power input	kW	0.56	0.59
	B Condition	Pdh (declared heating cap)	kW	2.37	2.44
	(2°C)	COPd (declared COP)		4.20	4.18
		Power input	kW	0.56	0.58

2 Specifications

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Technical specifications					FBA50A9 + RXM50A	FBA60A9 + RXM60A
Space heating (Warm climate)	C Condition (7°C)	Pdh (declared heating cap)		kW	1.61	1.6
		COPd (declared COP)			4.55	4.41
		Power input		kW	0.35	0.36
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.58	1.79
		COPd (declared COP)			5.23	5.32
		Power input		kW	0.30	0.34
Power consumption in other than active mode	Thermo-stat-off mode	PTO	Heating	W	2	
			Cooling	W	2	
	Standby mode	Cooling	PSB	W	13	
		Heating	PSB	W	13	
	Crankcase heater mode	PCK		W	0	
	Off mode	POFF		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					No	
Warm season included					Yes	
Eurovent	Sound power level outdoor	Cooling	Nom.	dBA	62	63
	Sound power level indoor	Cooling	Nom.	dBA	60	56
	Piping length	Cooling	Measuring condition	m	5.00	5

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

Technical specifications				FCAG50B + RXM50A	FCAG60B + RXM60A
Cooling capacity	Nom.		kW	5.00	5.7
	Nom.		Btu/h	17,100	19,400
	Nom.		kcal/h	4,299	4,884
Heating capacity	Nom.		kW	6.00	7
	Nom.		Btu/h	20,500	23,900
	Nom.		kcal/h	5,159	6,019
Power input	Cooling	Nom.	kW	1.40	1.72
	Heating	Nom.	kW	1.62	2.07
Nominal efficiency	EER			3.58	3.31
	COP			3.70	3.38
	Annual energy consumption		kWh	698	858
	Energy labeling Directive	Cooling		A	
		Heating		A	C
Space cooling	Energy efficiency class			A++	
	Capacity	Pdesign	kW	5.00	5.7
	SEER			6.54	6.4
	Annual energy consumption		kWh/a	268	312
Space heating (Average climate)	Energy efficiency class			A+	
	Capacity	Pdesign	kW	4.36	4.71
	SCOP/A			4.30	4.2
	SCOPnet/A			4.33	4.22
	Pdh Heating capacity at -10°		kW	3.86	4.12
	Annual energy consumption		kWh/a	1,418	1,569
	Required back up heating cap at design conditions		kW	0.50	0.59
Space heating (Warm climate)	Energy efficiency class			A+++	
	Capacity	Pdesignh	kW	2.35	2.53
	SCOP			5.22	5.32
	SCOPnet			5.31	5.41
	Annual energy consumption		kWh/a	630	669
	Required back up heating cap at design conditions		kW	0.00	0

2 Specifications

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Technical specifications					FCAG50B + RXM50A	FCAG60B + RXM60A
Space cooling	A Condition (35°C - 27/19)	Pdc		kW	5.00	5.7
		EERd			3.58	3.31
		Power input		kW	1.40	1.72
	B Condition (30°C - 27/19)	Pdc		kW	3.69	4.2
		EERd			5.17	4.7
		Power input		kW	0.71	0.89
Space cooling	C Condition (25°C - 27/19)	Pdc		kW	2.37	2.71
		EERd			8.52	7.91
		Power input		kW	0.28	0.34
	D Condition (20°C - 27/19)	Pdc		kW	1.87	1.62
		EERd			10.69	12.13
		Power input		kW	0.17	0.13
Space heating (Average climate)	TOL	Tol (temperature operating limit)		°C	-15	-10
	E condition (-10°C)	Pdh (declared heating cap)		kW	3.86	4.12
		COPd (declared COP)			2.04	2.08
		Power input		kW	1.89	1.94
	TBivalent	Tbiv (bivalent temperature)		°C	-7	
		Pdh (declared heating cap)		kW	3.86	4.17
		COPd (declared COP)			2.81	2.56
		Power input		kW	1.37	1.63
	A Condition (-7°C)	Pdh (declared heating cap)		kW	3.86	4.17
		COPd (declared COP)			2.81	2.56
		Power input		kW	1.37	1.63
	B Condition (2°C)	Pdh (declared heating cap)		kW	2.35	2.56
		COPd (declared COP)			4.39	4.31
		Power input		kW	0.54	0.59
	C Condition (7°C)	Pdh (declared heating cap)		kW	1.54	1.64
		COPd (declared COP)			5.31	5.28
		Power input		kW	0.29	0.31
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.79	1.46
		COPd (declared COP)			6.47	6.51
		Power input		kW	0.28	0.22
Space heating (Warm climate)	TOL	Tol (temperature operating limit)		°C	-15	
	E condition (2°C)	Pdh (declared heating cap)		kW	3.86	4.04
		COPd (declared COP)			2.04	2.08
		Power input		kW	1.89	1.94
	TBivalent	Tbiv (bivalent temperature)		°C	2	
		Pdh (declared heating cap)		kW	2.35	2.54
		COPd (declared COP)			4.39	4.31
		Power input		kW	0.54	0.59
	B Condition (2°C)	Pdh (declared heating cap)		kW	2.35	2.54
		COPd (declared COP)			4.39	4.31
		Power input		kW	0.54	0.59
Space heating (Warm climate)	C Condition (7°C)	Pdh (declared heating cap)		kW	1.54	1.64
		COPd (declared COP)			5.31	5.28
		Power input		kW	0.29	0.31
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.79	1.46
		COPd (declared COP)			6.47	6.51
		Power input		kW	0.28	0.22
Power consumption in other than active mode	Thermo-stat-off mode	PTO	Heating	W	15	
			Cooling	W	5	
	Standby mode	Cooling	PSB	W	8	
		Heating	PSB	W	8	
	Crankcase heater mode	PCK		W	0	
	Off mode	POFF		W	8	
Cooling	Cdc (Degradation cooling)				0.25	
Heating	Cdh (Degradation heating)				0.25	
Cooling function included					Yes	
Heating function included					Yes	
Average climate included					Yes	
Cold season included					No	
Warm season included					Yes	
Eurovent	Sound power level outdoor	Cooling	Nom.	dBA	62	63
	Sound power level indoor	Cooling	Nom.	dBA	49	51
	Piping length	Cooling	Measuring condition	m	5.00	5

2 Specifications

2 - 1 Specifications

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

Technical specifications				FDXM50F9 + RXM50A	FDXM60F9 + RXM60A
Cooling capacity	Min.		kW	1.70	1.7
	Min.		Btu/h	5,800	
	Min.		kcal/h	1,462	
	Nom.		kW	5.00	6
	Nom.		Btu/h	17,100	20,500
	Nom.		kcal/h	4,299	5,159
	Max.		kW	5.30	6.5
	Max.		Btu/h	18,100	22,200
	Max.		kcal/h	4,557	5,589
Heating capacity	Min.		kW	1.70	1.7
	Min.		Btu/h	5,800	
	Min.		kcal/h	1,500	
	Nom.		kW	5.80	7
	Nom.		Btu/h	19,800	23,900
	Nom.		kcal/h	4,987	6,019
	Max.		kW	6.00	7.1
	Max.		Btu/h	20,500	24,200
	Max.		kcal/h	5,159	6,105
Power input	Cooling	Nom.	kW	1.63	2.05
	Heating	Nom.	kW	1.87	2.18
Nominal efficiency	EER			3.06	2.93
	COP			3.10	3.21
	Annual energy consumption		kWh	817	1,024
	Energy labeling Directive	Cooling		B	C
		Heating		D	C
Space cooling	Energy efficiency class			A+	A
	Capacity	Pdesign	kW	5.00	6
	SEER			5.77	5.56
	Annual energy consumption		kWh/a	303	378
Space heating (Average climate)	Energy efficiency class			A	
	Capacity	Pdesign	kW	4.00	4.6
	SCOP/A			3.93	3.8
	SCOPnet/A			3.95	3.83
	Pdh Heating capacity at -10°		kW	3.54	3.94
	Annual energy consumption		kWh/a	1,424	1,693
	Required back up heating cap at design conditions		kW	0.46	0.66
Space heating (Warm climate)	Energy efficiency class			A+	
	Capacity	Pdesignh	kW	2.16	2.48
	SCOP			4.41	4.47
	SCOPnet			4.46	4.51
	Annual energy consumption		kWh/a	685	777
	Required back up heating cap at design conditions		kW	0.00	0
Space cooling	A Condition	Pdc	kW	5.00	6
	(35°C - 27/19)	EERd		3.06	2.93
		Power input	kW	1.63	2.05
	B Condition	Pdc	kW	3.69	4.43
	(30°C - 27/19)	EERd		4.96	4.64
		Power input	kW	0.74	0.95
	C Condition	Pdc	kW	2.37	2.85
	(25°C - 27/19)	EERd		8.21	6.96
		Power input	kW	0.29	0.41
	D Condition	Pdc	kW	2.26	
	(20°C - 27/19)	EERd		9.47	10.44
		Power input	kW	0.24	0.22

2 Specifications

2 - 1 Specifications

Technical specifications					FDXM50F9 + RXM50A	FDXM60F9 + RXM60A
Space heating (Average climate)	TOL	Tol (temperature operating limit)		°C	-15	-10
	E condition (-10°C)	Pdh (declared heating cap)		kW	3.54	3.94
		COPd (declared COP)			1.89	2.31
		Power input		kW	1.87	1.95
	TBivalent	Tbiv (bivalent temperature)		°C	-7	
		Pdh (declared heating cap)		kW	3.54	4.07
		COPd (declared COP)			2.87	2.58
		Power input		kW	1.23	1.58
	A Condition (-7°C)	Pdh (declared heating cap)		kW	3.54	4.07
		COPd (declared COP)			2.87	2.58
		Power input		kW	1.23	1.58
	B Condition (2°C)	Pdh (declared heating cap)		kW	2.16	2.48
		COPd (declared COP)			4.10	3.92
		Power input		kW	0.53	0.63
	C Condition (7°C)	Pdh (declared heating cap)		kW	1.62	
		COPd (declared COP)			4.56	4.52
		Power input		kW	0.36	
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.92	
		COPd (declared COP)			5.49	5.46
Space heating (Average climate)	D Condition (12°C)	Power input		kW	0.35	
Space heating (Warm climate)	TOL	Tol (temperature operating limit)		°C	-15	
	E condition (2°C)	Pdh (declared heating cap)		kW	3.54	3.72
		COPd (declared COP)			1.89	1.91
		Power input		kW	1.87	1.95
	TBivalent	Tbiv (bivalent temperature)		°C	2	
		Pdh (declared heating cap)		kW	2.16	2.48
		COPd (declared COP)			4.10	3.92
		Power input		kW	0.53	0.63
	B Condition (2°C)	Pdh (declared heating cap)		kW	2.16	2.48
		COPd (declared COP)			4.10	3.92
		Power input		kW	0.53	0.63
	C Condition (7°C)	Pdh (declared heating cap)		kW	1.62	
		COPd (declared COP)			4.56	4.52
		Power input		kW	0.36	
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.92	
		COPd (declared COP)			5.49	5.46
		Power input		kW	0.35	
Power consumption in other than active mode	Thermo-stat-off mode	PTO	Heating	W	9	
			Cooling	W	9	
	Standby mode	Cooling	PSB	W	15	
		Heating	PSB	W	15	
	Crankcase heater mode	PCK		W	0	
	Off mode	POFF		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					No	
Warm season included					Yes	
Eurovent	Sound power level outdoor	Cooling	Nom.	dBA	62	63
	Sound power level indoor	Cooling	Nom.	dBA	55	56
	Piping length	Cooling	Measuring condition	m	5.00	5

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

2 Specifications

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Technical specifications				FFA50A9 + RXM50A	FFA60A9 + RXM60A
Cooling capacity	Nom.		kW	5.00	5.7
	Nom.		Btu/h	17,100	19,400
	Nom.		kcal/h	4,299	4,884
Heating capacity	Nom.		kW	5.80	7
	Nom.		Btu/h	19,800	23,900
	Nom.		kcal/h	4,987	6,019
Power input	Cooling	Nom.	kW	1.54	1.86
	Heating	Nom.	kW	1.66	2.05
Nominal efficiency	EER			3.24	3.05
	COP			3.49	3.41
	Annual energy consumption		kWh	772	931
	Energy labeling Directive	Cooling		A	B
		Heating		B	
Space cooling	Energy efficiency class			A+	
	Capacity	Pdesign	kW	5.00	5.7
	SEER			5.98	5.76
	Annual energy consumption		kWh/a	293	346
Space heating (Average climate)	Energy efficiency class			A	A+
	Capacity	Pdesign	kW	3.84	3.96
	SCOP/A			3.90	4.04
	SCOPnet/A			3.92	4.06
	Pdh Heating capacity at -10°		kW	3.40	3.5
	Annual energy consumption		kWh/a	1,378	1,373
	Required back up heating cap at design conditions		kW	0.44	0.46
Space heating (Warm climate)	Energy efficiency class			A++	
	Capacity	Pdesignh	kW	2.09	2.14
	SCOP			4.79	4.74
	SCOPnet			4.83	4.79
	Annual energy consumption		kWh/a	611	631
	Required back up heating cap at design conditions		kW	0.00	0
Space cooling	A Condition (35°C - 27/19)	Pdc	kW	5.00	5.7
		EERd		3.24	3.05
		Power input	kW	1.54	1.86
	B Condition (30°C - 27/19)	Pdc	kW	3.69	4.2
		EERd		5.38	5.34
		Power input	kW	0.69	0.79
Space cooling	C Condition (25°C - 27/19)	Pdc	kW	2.37	2.71
		EERd		7.85	7.24
		Power input	kW	0.30	0.37
	D Condition (20°C - 27/19)	Pdc	kW	2.15	2.27
		EERd		10.67	9.66
		Power input	kW	0.20	0.23
Space heating (Average climate)	TOL	Tol (temperature operating limit)	°C	-15	-10
	E condition (-10°C)	Pdh (declared heating cap)	kW	3.40	3.51
		COPd (declared COP)		1.99	2.05
		Power input	kW	1.71	
	TBivalent	Tbiv (bivalent temperature)	°C	-7	
		Pdh (declared heating cap)	kW	3.40	3.51
		COPd (declared COP)		2.62	2.84
		Power input	kW	1.30	1.24
	A Condition (-7°C)	Pdh (declared heating cap)	kW	3.40	3.51
		COPd (declared COP)		2.62	2.84
		Power input	kW	1.30	1.24
	B Condition (2°C)	Pdh (declared heating cap)	kW	2.09	2.14
		COPd (declared COP)		3.97	4.12
		Power input	kW	0.53	0.52
	C Condition (7°C)	Pdh (declared heating cap)	kW	1.47	1.49
		COPd (declared COP)		4.81	4.74
		Power input	kW	0.31	
	D Condition (12°C)	Pdh (declared heating cap)	kW	1.71	1.74
		COPd (declared COP)		5.94	5.88
		Power input	kW	0.29	0.3

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Technical specifications					FFA50A9 + RXM50A	FFA60A9 + RXM60A
Space heating (Warm climate)	TOL	Tol (temperature operating limit)		°C	-15	
	E condition (2°C)	Pdh (declared heating cap)		kW	3.40	3.5
		COPd (declared COP)			1.99	2.05
		Power input		kW	1.71	
	TBivalent	Tbiv (bivalent temperature)		°C	2	
		Pdh (declared heating cap)		kW	2.09	2.14
		COPd (declared COP)			3.97	4.12
		Power input		kW	0.53	0.52
	B Condition (2°C)	Pdh (declared heating cap)		kW	2.09	2.14
		COPd (declared COP)			3.97	4.12
		Power input		kW	0.53	0.52
Space heating (Warm climate)	C Condition (7°C)	Pdh (declared heating cap)		kW	1.47	1.49
		COPd (declared COP)			4.81	4.74
		Power input		kW	0.31	
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.71	1.74
		COPd (declared COP)			5.94	5.88
		Power input		kW	0.29	0.3
Power consumption in other than active mode	Thermo-stat-off mode	PTO	Heating	W	7	
			Cooling	W	7	
	Standby mode	Cooling	PSB	W	15	
		Heating	PSB	W	15	
	Crankcase heater mode	PCK		W	0	
	Off mode	POFF		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					No	
Warm season included					Yes	
Eurovent	Sound power level outdoor	Cooling	Nom.	dBA	62	63
	Sound power level indoor	Cooling	Nom.	dBA	56	60
	Piping length	Cooling	Measuring condition	m	5.00	5

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

Technical specifications				FNA50A9 + RXM50A	FNA60A9 + RXM60A
Cooling capacity	Nom.		kW	5.00	6
	Nom.		Btu/h	17,100	20,500
	Nom.		kcal/h	4,299	5,159
Heating capacity	Nom.		kW	5.80	7
	Nom.		Btu/h	19,800	23,900
	Nom.		kcal/h	4,987	6,019
Power input	Cooling	Nom.	kW	1.48	2.22
	Heating	Nom.	kW	1.74	2.25
Nominal efficiency	EER			3.38	2.7
	COP			3.34	3.11
	Annual energy consumption		kWh	740	1,111
	Energy labeling Directive	Cooling		A	D
		Heating		C	D
Space cooling	Energy efficiency class			A+	A
	Capacity	Pdesign	kW	5.00	6
	SEER			5.77	5.56
	Annual energy consumption		kWh/a	303	378

2 Specifications

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Technical specifications					FNA50A9 + RXM50A	FNA60A9 + RXM60A
Space heating (Average climate)	Energy efficiency class				A+	
	Capacity	Pdesign		kW	4.00	4.6
	SCOP/A				4.09	4.16
	SCOPnet/A				4.12	4.19
	Pdh Heating capacity at -10°			kW	3.54	3.94
	Annual energy consumption			kWh/a	1,368	1,547
	Required back up heating cap at design conditions			kW	0.46	0.66
Space heating (Warm climate)	Energy efficiency class				A++	
	Capacity	Pdesignh		kW	2.16	2.48
	SCOP				4.88	5.02
	SCOPnet				4.93	5.08
	Annual energy consumption			kWh/a	620	691
	Required back up heating cap at design conditions			kW	0.00	0
Space cooling	A Condition	Pdc		kW	5.00	6
	(35°C - 27/19)	EERd			3.38	2.7
		Power input		kW	1.48	2.22
	B Condition	Pdc		kW	3.69	4.43
	(30°C - 27/19)	EERd			5.02	4.64
		Power input		kW	0.74	0.95
Space cooling	C Condition	Pdc		kW	2.37	2.85
	(25°C - 27/19)	EERd			7.23	7.2
		Power input		kW	0.33	0.4
	D Condition	Pdc		kW	1.74	2.34
	(20°C - 27/19)	EERd			10.72	10.44
		Power input		kW	0.16	0.22
Space heating (Average climate)	TOL	Tol (temperature operating limit)		°C	-15	-10
	E condition	Pdh (declared heating cap)		kW	3.54	3.94
	(-10°C)	COPd (declared COP)			1.88	1.78
		Power input		kW	1.88	2.09
	TBivalent	Tbiv (bivalent temperature)		°C	-7	
		Pdh (declared heating cap)		kW	3.54	4.07
		COPd (declared COP)			2.90	2.82
		Power input		kW	1.22	1.44
	A Condition	Pdh (declared heating cap)		kW	3.54	4.07
	(-7°C)	COPd (declared COP)			2.90	2.82
		Power input		kW	1.22	1.44
	B Condition	Pdh (declared heating cap)		kW	2.16	2.48
	(2°C)	COPd (declared COP)			4.13	4.22
		Power input		kW	0.52	0.59
	C Condition	Pdh (declared heating cap)		kW	1.66	1.59
	(7°C)	COPd (declared COP)			5.08	
		Power input		kW	0.33	0.31
	D Condition	Pdh (declared heating cap)		kW	1.96	1.95
	(12°C)	COPd (declared COP)			6.16	6.19
		Power input		kW	0.32	
Space heating (Warm climate)	TOL	Tol (temperature operating limit)		°C	-15	
	E condition	Pdh (declared heating cap)		kW	3.54	3.72
	(2°C)	COPd (declared COP)			1.88	1.78
		Power input		kW	1.88	2.09
	TBivalent	Tbiv (bivalent temperature)		°C	2	
		Pdh (declared heating cap)		kW	2.16	2.48
		COPd (declared COP)			4.13	4.22
		Power input		kW	0.52	0.59
	B Condition	Pdh (declared heating cap)		kW	2.16	2.48
	(2°C)	COPd (declared COP)			4.13	4.22
		Power input		kW	0.52	0.59
Space heating (Warm climate)	C Condition	Pdh (declared heating cap)		kW	1.66	1.59
	(7°C)	COPd (declared COP)			5.08	
		Power input		kW	0.33	0.31
	D Condition	Pdh (declared heating cap)		kW	1.96	1.95
	(12°C)	COPd (declared COP)			6.16	6.19
		Power input		kW	0.32	
Power consumption in other than active mode	Thermo-stat-off mode	PTO	Heating	W	9	
			Cooling	W	9	
	Standby mode	Cooling	PSB	W	15	
		Heating	PSB	W	15	
	Crankcase heater mode	PCK		W	0	
	Off mode	POFF		W	15	
Cooling	Cdc (Degradation cooling)				0.25	
Heating	Cdh (Degradation heating)				0.25	

2 Specifications

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Technical specifications					FNA50A9 + RXM50A	FNA60A9 + RXM60A
Cooling function included					Yes	
Heating function included					Yes	
Average climate included					Yes	
Cold season included					No	
Warm season included					Yes	
Eurovent	Sound power level outdoor	Cooling	Nom.	dBA	62	63
	Sound power level indoor	Cooling	Nom.	dBA	56	
	Piping length	Cooling	Measuring condition	m	5.00	5

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

Technical specifications				FTXM20A + RXM20A	FTXM25A + RXM25A	FTXM35A + RXM35A	FTXM42A + RXM42A	FTXM50A + RXM50A	FTXM60A + RXM60A
Cooling capacity	Min.		kW		0.90		1.50	1.70	1.7
	Min.		Btu/h		3,100		5,100	5,800	
	Min.		kcal/h		774		1,290	1,462	
	Nom.		kW	2.00	2.50	3.50	4.20	5.00	6
	Nom.		Btu/h	6,800	8,500	11,900	14,300	17,100	20,500
	Nom.		kcal/h	1,720	2,150	3,009	3,611	4,299	5,159
	Max.		kW	3.00	3.80	4.40	5.20	5.30	7
	Max.		Btu/h	10,200	13,000	15,000	17,700	18,100	23,900
	Max.		kcal/h	2,580	3,267	3,783	4,471	4,557	6,019
Heating capacity	Min.		kW		0.80		1.50	1.70	1.7
	Min.		Btu/h		2,700		5,100	5,800	
	Min.		kcal/h		688		1,290	1,462	1,500
	Nom.		kW	2.50	2.80	4.00	5.40	5.80	7
	Nom.		Btu/h	8,500	9,600	13,600	18,400	19,800	23,900
	Nom.		kcal/h	2,150	2,408	3,439	4,643	4,987	6,019
	Max.		kW	4.50	5.00	5.50	6.20	6.50	8
	Max.		Btu/h	15,400	17,100	18,800	21,200	22,200	27,300
	Max.		kcal/h	3,869	4,299	4,729	5,331	5,589	6,879
Power input	Cooling	Nom.	kW	0.37	0.48	0.76	1.00	1.36	1.77
	Heating	Nom.	kW	0.50	0.56	0.88	1.29	1.40	1.94
Nominal efficiency	EER			5.35	5.20	4.63	4.20	3.68	3.39
	COP			5.00		4.55	4.19	4.15	3.61
	Annual energy consumption		kWh	187	240	378	500	679	885
	Energy labeling Directive	Cooling		A					
		Heating		A					
Space cooling	Energy efficiency class			A+++			A++		
	Capacity	Pdesign	kW	2.00	2.50	3.50	4.20	5.00	6
	SEER			9.47		9.25	8.11	7.80	6.9
	Annual energy consumption		kWh/a	74	92	132	181	224	304
Space heating (Average climate)	Energy efficiency class			A+++			A++		A+
	Capacity	Pdesign	kW	2.30	2.40	2.50	4.00	4.50	4.8
	SCOP/A			5.20			5.00	4.80	4.3
	SCOPnet/A			5.21			5.01	4.81	4.31
	Pdh Heating capacity at -10°		kW	2.30	2.40	2.50	4.00	4.50	3.99
	Annual energy consumption		kWh/a	619	647	673	1,120	1,312	1,562
	Required back up heating cap at design conditions		kW			0.00			0.81
Space heating (Warm climate)	Energy efficiency class			A+++					
	Capacity	Pdesignh	kW	1.24	1.30	1.41	2.16	2.43	2.63
	SCOP			6.26	6.30	6.39	6.25	5.96	5.51
	SCOPnet			6.40	6.43	6.52	6.33	6.08	5.6
	Annual energy consumption		kWh/a	277	289	309	484	571	668
	Required back up heating cap at design conditions		kW			0.00			0

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Technical specifications					FTXM20A + RXM20A	FTXM25A + RXM25A	FTXM35A + RXM35A	FTXM42A + RXM42A	FTXM50A + RXM50A	FTXM60A + RXM60A
Space cooling	A Condition (35°C - 27/19)	Pdc		kW	2.00	2.50	3.50	4.20	5.00	6
		EERd			5.35	5.20	4.63	4.20	3.68	3.39
		Power input		kW	0.37	0.48	0.76	1.00	1.36	1.77
	B Condition (30°C - 27/19)	Pdc		kW	1.48	1.85	2.58	3.10	3.69	4.43
		EERd			8.25	7.64	7.23	6.10	5.90	4.82
		Power input		kW	0.18	0.24	0.36	0.51	0.63	0.92
	C Condition (25°C - 27/19)	Pdc		kW	1.20	1.22	1.66	1.99	2.37	2.85
		EERd			11.89	11.76	11.51	9.88	9.41	8.09
		Power input		kW	0.10		0.14	0.20	0.25	0.35
	D Condition (20°C - 27/19)	Pdc		kW	1.20	1.22	1.25	1.85	1.80	1.93
		EERd			15.30	14.79	14.30	13.40	13.49	13.26
		Power input		kW	0.08		0.09	0.14	0.13	0.15
Space heating (Average climate)	TOL	Tol (temperature operating limit)		°C	-10					-20
	E condition (-10°C)	Pdh (declared heating cap)		kW	2.30	2.40	2.50	4.00	4.50	3.99
		COPd (declared COP)			3.22	3.20	3.15	2.91	2.78	2.53
		Power input		kW	0.71	0.75	0.79	1.37	1.62	1.58
	TBivalent	Tbiv (bivalent temperature)		°C	-10					-7
		Pdh (declared heating cap)		kW	2.30	2.40	2.50	4.00	4.50	4.26
		COPd (declared COP)			3.22	3.20	3.15	2.91	2.78	2.68
		Power input		kW	0.71	0.75	0.79	1.37	1.62	1.59
	A Condition (-7°C)	Pdh (declared heating cap)		kW	2.04	2.13	2.22	3.54	3.99	4.26
		COPd (declared COP)			3.53	3.49	3.47	3.26	3.07	2.68
		Power input		kW	0.58	0.61	0.64	1.09	1.30	1.59
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.24	1.30	1.41	2.16	2.43	2.63
		COPd (declared COP)			5.23		5.18	4.98	4.80	4.31
		Power input		kW	0.24	0.25	0.27	0.43	0.51	0.61
	C Condition (7°C)	Pdh (declared heating cap)		kW	0.87	0.89	0.95	1.39	1.56	1.67
		COPd (declared COP)			6.28	6.31	6.48	6.30	6.13	5.64
		Power input		kW	0.14		0.15	0.22	0.25	0.3
	D Condition (12°C)	Pdh (declared heating cap)		kW	0.97		1.05	1.55	1.56	1.96
		COPd (declared COP)			7.95		8.00	7.74	7.25	6.82
Space heating (Average climate)	D Condition (12°C)	Power input		kW	0.12		0.13	0.20	0.22	0.29
Space heating (Warm climate)	TOL	Tol (temperature operating limit)		°C	2					-20
	E condition (2°C)	Pdh (declared heating cap)		kW	1.24	1.30	1.41	2.16	2.43	2.63
		COPd (declared COP)			5.23		5.18	4.98	4.80	4.31
		Power input		kW	0.24	0.25	0.27	0.43	0.51	0.61
	TBivalent	Tbiv (bivalent temperature)		°C	2					
		Pdh (declared heating cap)		kW	1.24	1.30	1.41	2.16	2.43	2.63
		COPd (declared COP)			5.23		5.18	4.98	4.80	4.31
		Power input		kW	0.24	0.25	0.27	0.43	0.51	0.61
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.24	1.30	1.41	2.16	2.43	2.63
		COPd (declared COP)			5.23		5.18	4.98	4.80	4.31
		Power input		kW	0.24	0.25	0.27	0.43	0.51	0.61
	C Condition (7°C)	Pdh (declared heating cap)		kW	0.87	0.89	0.95	1.39	1.56	1.67
		COPd (declared COP)			6.28	6.31	6.48	6.30	6.13	5.64
		Power input		kW	0.14		0.15	0.22	0.25	0.3
	D Condition (12°C)	Pdh (declared heating cap)		kW	0.97		1.05	1.55	1.56	1.96
		COPd (declared COP)			7.95		8.00	7.74	7.25	6.82
		Power input		kW	0.12		0.13	0.20	0.22	0.29
Power consumption in other than active mode	Thermo-stat-off mode	PTO	Heating	W	8				15	14
			Cooling	W	7				12	
	Standby mode	Cooling	PSB	W	1					
		Heating	PSB	W	1					
	Crankcase heater mode	PCK		W	0					
	Off mode	POFF		W	1					
Cooling	Cdc (Degradation cooling)				0.25					
Heating	Cdh (Degradation heating)				0.25					
Cooling function included					Yes					
Heating function included					Yes					
Average climate included					Yes					
Cold season included					No					
Warm season included					Yes					

2 Specifications

2 - 1 Specifications

Technical specifications					FTXM20A + RXM20A	FTXM25A + RXM25A	FTXM35A + RXM35A	FTXM42A + RXM42A	FTXM50A + RXM50A	FTXM60A + RXM60A
Eurovent	Sound power level outdoor	Cooling	Nom.	dBA	58			61	62	63
	Sound power level indoor	Cooling	Nom.	dBA	54		58	60		
	Piping length	Cooling	Measuring condition	m	5					
Space heating (Average climate) - Low sound mode (Stb. 2020, 189)	B Condition (2°C) - SCOPnet/A	COPd (declared COP)			5.23 - 5.21		5.18 - 5.21	4.98 - 5.01	4.80 - 4.86	---
	SCOPnet/A				5.21			5.01	4.86	-
	C Condition (7°C) - SCOPnet/A	Pdh (declared heating cap)		kW	0.87 - 5.21	0.89 - 5.21	0.95 - 5.21	1.39 - 5.01	1.56 - 4.86	---

Technical specifications					FTXM71A + RXM71A
Cooling capacity	Min.			kW	2.3
	Min.			Btu/h	7,800
	Min.			kcal/h	1,978
	Nom.			kW	7.1
	Nom.			Btu/h	24,200
	Nom.			kcal/h	6,105
	Max.			kW	8.5
	Max.			Btu/h	29,000
	Max.			kcal/h	7,309
Heating capacity	Min.			kW	2.3
	Min.			Btu/h	7,800
	Min.			kcal/h	2,000
	Nom.			kW	8.2
	Nom.			Btu/h	28,000
	Nom.			kcal/h	7,051
	Max.			kW	10.2
	Max.			Btu/h	34,800
	Max.			kcal/h	8,770
Power input	Cooling	Nom.		kW	2.34
	Heating	Nom.		kW	2.57
Nominal efficiency	EER				3.03
	COP				3.19
	Annual energy consumption			kWh	1,172
	Energy labeling Directive	Cooling			B
		Heating			D
Space cooling	Energy efficiency class				A++
	Capacity	Pdesign		kW	7.1
	SEER				6.2
	Annual energy consumption			kWh/a	401
Space heating (Average climate)	Energy efficiency class				A+
	Capacity	Pdesign		kW	6.2
	SCOP/A				4.1
	SCOPnet/A				4.13
	Pdh Heating capacity at -10°			kW	5.01
	Annual energy consumption			kWh/a	2,116
	Required back up heating cap at design conditions			kW	1.19
Space heating (Warm climate)	Energy efficiency class				A+++
	Capacity	Pdesignh		kW	3.34
	SCOP				5.74
	SCOPnet				5.81
	Annual energy consumption			kWh/a	814
	Required back up heating cap at design conditions			kW	3.34

2 Specifications

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Technical specifications					FTXM71A + RXM71A
Space cooling	A Condition (35°C - 27/19)	Pdc		kW	7.1
		EERd			3.03
		Power input		kW	2.34
	B Condition (30°C - 27/19)	Pdc		kW	5.24
		EERd			4.88
		Power input		kW	1.07
	C Condition (25°C - 27/19)	Pdc		kW	3.37
		EERd			7.39
		Power input		kW	0.46
	D Condition (20°C - 27/19)	Pdc		kW	2.6
		EERd			9.69
		Power input		kW	0.27
Space heating (Average climate)	TOL	Tol (temperature operating limit)		°C	-15
	E condition (-10°C)	Pdh (declared heating cap)		kW	5.01
		COPd (declared COP)			2.01
		Power input		kW	2.49
	TBivalent	Tbiv (bivalent temperature)		°C	-7
		Pdh (declared heating cap)		kW	5.49
		COPd (declared COP)			2.14
		Power input		kW	2.57
	A Condition (-7°C)	Pdh (declared heating cap)		kW	5.49
		COPd (declared COP)			2.14
		Power input		kW	2.57
	B Condition (2°C)	Pdh (declared heating cap)		kW	3.34
		COPd (declared COP)			4.18
		Power input		kW	0.8
	C Condition (7°C)	Pdh (declared heating cap)		kW	2.32
		COPd (declared COP)			5.8
		Power input		kW	0.4
	D Condition (12°C)	Pdh (declared heating cap)		kW	2.38
		COPd (declared COP)			7.17
Space heating (Average climate)	D Condition (12°C)	Power input		kW	0.33
Space heating (Warm climate)	TOL	Tol (temperature operating limit)		°C	-15
	E condition (2°C)	Pdh (declared heating cap)		kW	3.34
		COPd (declared COP)			4.18
		Power input		kW	0.8
	TBivalent	Tbiv (bivalent temperature)		°C	2
		Pdh (declared heating cap)		kW	3.34
		COPd (declared COP)			4.18
		Power input		kW	0.8
	B Condition (2°C)	Pdh (declared heating cap)		kW	3.34
		COPd (declared COP)			4.18
		Power input		kW	0.8
	C Condition (7°C)	Pdh (declared heating cap)		kW	2.32
		COPd (declared COP)			5.8
		Power input		kW	0.4
	D Condition (12°C)	Pdh (declared heating cap)		kW	2.38
		COPd (declared COP)			7.17
		Power input		kW	0.33
Power consumption in other than active mode	Thermo-stat-off mode	PTO	Heating	W	13
			Cooling	W	12
	Standby mode	Cooling	PSB	W	1
		Heating	PSB	W	1
	Crankcase heater mode	PCK		W	0
	Off mode	POFF		W	1
Cooling	Cdc (Degradation cooling)				0.25
Heating	Cdh (Degradation heating)				0.25
Cooling function included					Yes
Heating function included					Yes
Average climate included					Yes
Cold season included					No
Warm season included					Yes

2 Specifications

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Technical specifications					FTXM71A + RXM71A
Eurovent	Sound power level outdoor	Cooling	Nom.	dBA	66
	Sound power level indoor	Cooling	Nom.	dBA	62
	Piping length	Cooling	Measuring condition	m	5

Technical specifications				FTXM20R + RXM20A	FTXM25R + RXM25A	FTXM35R + RXM35A	FTXM42R + RXM42A	FTXM50R + RXM50A	FTXM60R + RXM60A
Cooling capacity	Min.		kW	1.3		1.4		1.7	
	Min.		Btu/h	4,400		4,800		5,800	
	Min.		kcal/h	1,118		1,204		1,462	
	Nom.		kW	2	2.5	3.4	4.2	5	6
	Nom.		Btu/h	6,800	8,500	11,600	14,300	17,100	20,500
	Nom.		kcal/h	1,720	2,150	2,923	3,611	4,299	5,159
	Max.		kW	2.6	3.2	4	5	6	7
	Max.		Btu/h	8,900	10,900	13,600	17,100	20,500	23,900
	Max.		kcal/h	2,236	2,752	3,439	4,299	5,159	6,019
Heating capacity	Min.		kW	1.3		1.4		1.7	
	Min.		Btu/h	4,400		4,800		5,800	
	Min.		kcal/h	1,100		1,200	1,462	1,500	
	Nom.		kW	2.5	2.8	4	5.4	5.8	7
	Nom.		Btu/h	8,500	9,600	13,600	18,400	19,800	23,900
	Nom.		kcal/h	2,150	2,408	3,439	4,643	4,987	6,019
	Max.		kW	3.5	4.7	5.2	6	7.7	8
	Max.		Btu/h	11,900	16,000	17,700	20,500	26,300	27,300
	Max.		kcal/h	3,009	4,041	4,471	5,159	6,621	6,879
Power input	Cooling	Nom.	kW	0.44	0.56	0.8	1.39	1.36	1.77
	Heating	Nom.	kW	0.5	0.56	0.99	1.36	1.45	1.94
Nominal efficiency	EER			4.57	4.5	4.23	3.03	3.68	3.39
	COP			5		4.04	3.98	4	3.61
	Annual energy consumption		kWh	219	278	402	693	679	885
	Energy labeling Directive	Cooling		A			B	A	
		Heating		A					
Space cooling	Energy efficiency class			A+++			A++		
	Capacity	Pdesign	kW	2	2.5	3.4	4.2	5	6
	SEER			8.65			7.1	7.41	6.9
	Annual energy consumption		kWh/a	81	101	137	207	236	304
Space heating (Average climate)	Energy efficiency class			A+++			A++		A+
	Capacity	Pdesign	kW	2.3	2.4	2.5	4	4.6	4.8
	SCOP/A			5.1			4.71		4.3
	SCOPnet/A			5.13	5.14		4.77	4.72	4.31
	Pdh Heating capacity at -10°		kW	2.24	2.3	2.35	2.97	3.85	3.99
	Annual energy consumption		kWh/a	631	659	686	1,190	1,368	1,562
	Required back up heating cap at design conditions		kW	0.06	0.1	0.15	1.03	0.75	0.81
Space heating (Warm climate)	Energy efficiency class			A+++					
	Capacity	Pdesignh	kW	1.24	1.3	1.35	2.16	2.48	2.63
	SCOP			6.19	6.15	6.18	6.01	5.83	5.51
	SCOPnet			6.32	6.25	6.28	6.08	5.93	5.6
	Annual energy consumption		kWh/a	279	296	306	503	596	668
	Required back up heating cap at design conditions		kW	0					

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Technical specifications					FTXM20R + RXM20A	FTXM25R + RXM25A	FTXM35R + RXM35A	FTXM42R + RXM42A	FTXM50R + RXM50A	FTXM60R + RXM60A
Space cooling	A Condition (35°C - 27/19)	Pdc		kW	2	2.5	3.4	4.2	5	6
		EERd			4.57	4.5	4.23	3.03	3.68	3.39
		Power input		kW	0.44	0.56	0.8	1.39	1.36	1.77
	B Condition (30°C - 27/19)	Pdc		kW	1.48	1.85	2.51	3.1	3.69	4.43
		EERd			6.73	6.54	6.27	5.36	5.85	4.82
		Power input		kW	0.22	0.28	0.4	0.58	0.63	0.92
	C Condition (25°C - 27/19)	Pdc		kW	1.1	1.19	1.62	1.99	2.37	2.85
		EERd			10.52	10.14	10.16	9.1	8.43	8.09
		Power input		kW	0.1	0.12	0.16	0.22	0.28	0.35
	D Condition (20°C - 27/19)	Pdc		kW	1.05	1.17	1.07	1.77	1.83	1.93
		EERd			16.53	16.51	16.34	11.86	13	13.26
		Power input		kW	0.06	0.07		0.15	0.14	0.15
Space heating (Average climate)	TOL	Tol (temperature operating limit)		°C	-20			-10	-20	
	E condition (-10°C)	Pdh (declared heating cap)		kW	2.14			2.97	3.85	3.99
		COPd (declared COP)			2.29		2.5	2.84	2.05	2.53
		Power input		kW	0.93		0.86	1.05	1.88	1.58
	TBivalent	Tbiv (bivalent temperature)		°C	-7					
		Pdh (declared heating cap)		kW	2.04	2.13	2.22	3.54	4.07	4.26
		COPd (declared COP)			3.51	3.6	3.55	3.24	2.97	2.68
		Power input		kW	0.58	0.59	0.63	1.09	1.37	1.59
	A Condition (-7°C)	Pdh (declared heating cap)		kW	2.04	2.13	2.22	3.54	4.07	4.26
		COPd (declared COP)			3.51	3.6	3.55	3.24	2.97	2.68
		Power input		kW	0.58	0.59	0.63	1.09	1.37	1.59
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.24	1.3	1.35	2.16	2.48	2.63
		COPd (declared COP)			5.16	5.14	5.11	4.59	4.83	4.31
		Power input		kW	0.24	0.25	0.26	0.47	0.51	0.61
	C Condition (7°C)	Pdh (declared heating cap)		kW	0.96	0.94	0.93	1.39	1.7	1.67
		COPd (declared COP)			6.34	6.26	6.25	6.17	6.05	5.64
		Power input		kW	0.15			0.23	0.28	0.3
	D Condition (12°C)	Pdh (declared heating cap)		kW	0.99	1.08		1.61	1.98	1.96
		COPd (declared COP)			7.99	7.85	7.72	7.39	7.22	6.82
Space heating (Average climate)	D Condition (12°C)	Power input		kW	0.12	0.14		0.22	0.27	0.29
Space heating (Warm climate)	TOL	Tol (temperature operating limit)		°C	-20			2	-20	
	E condition (2°C)	Pdh (declared heating cap)		kW	2.14			2.16	2.48	2.63
		COPd (declared COP)			2.29		2.5	4.59	4.83	4.31
		Power input		kW	0.93		0.86	0.47	0.51	0.61
	TBivalent	Tbiv (bivalent temperature)		°C	2					
		Pdh (declared heating cap)		kW	1.24	1.3	1.35	2.16	2.48	2.63
		COPd (declared COP)			5.16	5.14	5.11	4.59	4.83	4.31
		Power input		kW	0.24	0.25	0.26	0.47	0.51	0.61
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.24	1.3	1.35	2.16	2.48	2.63
		COPd (declared COP)			5.16	5.14	5.11	4.59	4.83	4.31
		Power input		kW	0.24	0.25	0.26	0.47	0.51	0.61
	C Condition (7°C)	Pdh (declared heating cap)		kW	0.96	0.94	0.93	1.39	1.7	1.67
		COPd (declared COP)			6.34	6.26	6.25	6.17	6.05	5.64
		Power input		kW	0.15			0.23	0.28	0.3
	D Condition (12°C)	Pdh (declared heating cap)		kW	0.99	1.08		1.61	1.98	1.96
		COPd (declared COP)			7.99	7.85	7.72	7.39	7.22	6.82
		Power input		kW	0.12	0.14		0.22	0.27	0.29
Power consumption in other than active mode	Thermo-stat-off mode	PTO	Heating	W	7			8	14	
			Cooling	W	6			7	12	
	Standby mode	Cooling	PSB	W	1					
		Heating	PSB	W	1					
	Crankcase heater mode	PCK		W	0					
	Off mode	POFF		W	1					
Cooling	Cdc (Degradation cooling)				0.25					
Heating	Cdh (Degradation heating)				0.25					
Cooling function included					Yes					
Heating function included					Yes					
Average climate included					Yes					
Cold season included					No					
Warm season included					Yes					

2 Specifications

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Technical specifications					FTXM20R + RXM20A	FTXM25R + RXM25A	FTXM35R + RXM35A	FTXM42R + RXM42A	FTXM50R + RXM50A	FTXM60R + RXM60A
Eurovent	Sound power level outdoor	Cooling	Nom.	dBA	59	58	61		62	63
	Sound power level indoor	Cooling	Nom.	dBA	57		58	60	58	60
	Piping length	Cooling	Measuring condition	m	5					
Space heating (Average climate) - Low sound mode (Stb. 2020, 189)	B Condition (2°C) - SCOPnet/A	COPd (declared COP)			4.91 - 4.94	4.94 - 4.97	4.92 - 4.98	4.59 - 4.77	---	
	SCOPnet/A				4.94	4.97	4.98	4.77	-	
	C Condition (7°C) - SCOPnet/A	Pdh (declared heating cap)		kW	0.96 - 4.94	0.94 - 4.97	0.93 - 4.98	1.39 - 4.77	---	

Technical specifications				FTXM71R + RXM71A
Cooling capacity	Min.		kW	2.3
	Min.		Btu/h	7,800
	Min.		kcal/h	1,978
	Nom.		kW	7.1
	Nom.		Btu/h	24,200
	Nom.		kcal/h	6,105
	Max.		kW	8.5
	Max.		Btu/h	29,000
	Max.		kcal/h	7,309
Heating capacity	Min.		kW	2.3
	Min.		Btu/h	7,800
	Min.		kcal/h	2,000
	Nom.		kW	8.2
	Nom.		Btu/h	28,000
	Nom.		kcal/h	7,051
	Max.		kW	10.2
	Max.		Btu/h	34,800
	Max.		kcal/h	8,770
Power input	Cooling	Nom.	kW	2.34
	Heating	Nom.	kW	2.57
Nominal efficiency	EER			3.03
	COP			3.19
	Annual energy consumption		kWh	1,172
	Energy labeling Directive	Cooling		B
		Heating		D
Space cooling	Energy efficiency class			A++
	Capacity	Pdesign	kW	7.1
	SEER			6.2
	Annual energy consumption		kWh/a	401
Space heating (Average climate)	Energy efficiency class			A+
	Capacity	Pdesign	kW	6.2
	SCOP/A			4.1
	SCOPnet/A			4.13
	Pdh Heating capacity at -10°		kW	5.01
	Annual energy consumption		kWh/a	2,116
	Required back up heating cap at design conditions		kW	1.19
Space heating (Warm climate)	Energy efficiency class			A+++
	Capacity	Pdesignh	kW	3.34
	SCOP			5.74
	SCOPnet			5.81
	Annual energy consumption		kWh/a	814
	Required back up heating cap at design conditions		kW	3.34

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Technical specifications					FTXM71R + RXM71A
Space cooling	A Condition (35°C - 27/19)	Pdc		kW	7.1
		EERd			3.03
		Power input		kW	2.34
	B Condition (30°C - 27/19)	Pdc		kW	5.24
		EERd			4.88
		Power input		kW	1.07
	C Condition (25°C - 27/19)	Pdc		kW	3.37
		EERd			7.39
		Power input		kW	0.46
	D Condition (20°C - 27/19)	Pdc		kW	2.6
		EERd			9.69
		Power input		kW	0.27
Space heating (Average climate)	TOL	Tol (temperature operating limit)		°C	-15
	E condition (-10°C)	Pdh (declared heating cap)		kW	5.01
		COPd (declared COP)			2.01
		Power input		kW	2.49
	TBivalent	Tbiv (bivalent temperature)		°C	-7
		Pdh (declared heating cap)		kW	5.49
		COPd (declared COP)			2.14
		Power input		kW	2.57
	A Condition (-7°C)	Pdh (declared heating cap)		kW	5.49
		COPd (declared COP)			2.14
		Power input		kW	2.57
	B Condition (2°C)	Pdh (declared heating cap)		kW	3.34
		COPd (declared COP)			4.18
		Power input		kW	0.8
	C Condition (7°C)	Pdh (declared heating cap)		kW	2.32
		COPd (declared COP)			5.8
		Power input		kW	0.4
	D Condition (12°C)	Pdh (declared heating cap)		kW	2.38
		COPd (declared COP)			7.17
Space heating (Average climate)	D Condition (12°C)	Power input		kW	0.33
Space heating (Warm climate)	TOL	Tol (temperature operating limit)		°C	-15
	E condition (2°C)	Pdh (declared heating cap)		kW	3.34
		COPd (declared COP)			4.18
		Power input		kW	0.8
	TBivalent	Tbiv (bivalent temperature)		°C	2
		Pdh (declared heating cap)		kW	3.34
		COPd (declared COP)			4.18
		Power input		kW	0.8
	B Condition (2°C)	Pdh (declared heating cap)		kW	3.34
		COPd (declared COP)			4.18
		Power input		kW	0.8
	C Condition (7°C)	Pdh (declared heating cap)		kW	2.32
		COPd (declared COP)			5.8
		Power input		kW	0.4
	D Condition (12°C)	Pdh (declared heating cap)		kW	2.38
		COPd (declared COP)			7.17
		Power input		kW	0.33
Power consumption in other than active mode	Thermo-stat-off mode	PTO	Heating	W	13
			Cooling	W	12
	Standby mode	Cooling	PSB	W	1
		Heating	PSB	W	1
	Crankcase heater mode	PCK		W	0
	Off mode	POFF		W	1
Cooling	Cdc (Degradation cooling)				0.25
Heating	Cdh (Degradation heating)				0.25
Cooling function included					Yes
Heating function included					Yes
Average climate included					Yes
Cold season included					No
Warm season included					Yes

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Technical specifications					FTXM71R + RXM71A
Eurovent	Sound power level outdoor	Cooling	Nom.	dBA	66
	Sound power level indoor	Cooling	Nom.	dBA	62
	Piping length	Cooling	Measuring condition	m	5

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

Technical specifications					FHA50A9 + RXM50A	FHA60A9 + RXM60A
Cooling capacity	Nom.			kW	5.00	5.7
	Nom.			Btu/h	17,100	19,400
	Nom.			kcal/h	4,299	4,884
Heating capacity	Nom.			kW	6.00	7.2
	Nom.			Btu/h	20,500	24,600
	Nom.			kcal/h	5,159	6,191
Power input	Cooling	Nom.		kW	1.56	1.73
	Heating	Nom.		kW	1.79	2.17
Nominal efficiency	EER				3.21	3.29
	COP				3.35	3.32
	Annual energy consumption			kWh	779	866
	Energy labeling Directive	Cooling			A	
		Heating			C	
Space cooling	Energy efficiency class				A+	
	Capacity	Pdesign		kW	5.00	5.7
	SEER				5.92	6.08
	Annual energy consumption			kWh/a	295	328
Space heating (Average climate)	Capacity	Pdesign		kW	4.35	4.71
	Energy efficiency class				A	
	SCOP/A				3.86	3.87
	SCOPnet/A				3.88	3.89
	Pdh Heating capacity at -10°			kW	3.85	4.08
	Annual energy consumption			kWh/a	1,577	1,704
	Required back up heating cap at design conditions			kW	0.50	0.63
Space heating (Warm climate)	Capacity	Pdesignh		kW	2.35	2.54
	Energy efficiency class				A+	A++
	SCOP				4.59	4.61
	SCOPnet				4.64	4.67
	Annual energy consumption			kWh/a	716	771
	Required back up heating cap at design conditions			kW	0.00	0
Space cooling	A Condition (35°C - 27/19)	Pdc		kW	5.00	5.7
		EERd			3.21	3.29
		Power input		kW	1.56	1.73
	B Condition (30°C - 27/19)	Pdc		kW	3.69	4.2
		EERd			5.04	4.88
		Power input		kW	0.73	0.86
Space cooling	C Condition (25°C - 27/19)	Pdc		kW	2.37	2.71
		EERd			8.25	8.34
		Power input		kW	0.29	0.33
	D Condition (20°C - 27/19)	Pdc		kW	2.31	2.26
		EERd			10.39	10.97
		Power input		kW	0.22	0.21

2 Specifications

2 - 1 Specifications

Technical specifications					FHA50A9 + RXM50A	FHA60A9 + RXM60A
Space heating (Average climate)	TOL	Tol (temperature operating limit)		°C	-15	-10
		COPd (declared COP)			1.97	-
	TBivalent	Tbiv (bivalent temperature)		°C	-7	
		Pdh (declared heating cap)		kW	3.85	4.12
		COPd (declared COP)			2.61	2.64
		Power input		kW	1.48	1.56
	A Condition (-7°C)	Pdh (declared heating cap)		kW	3.85	4.17
		COPd (declared COP)			2.61	2.64
		Power input		kW	1.48	1.56
	B Condition (2°C)	Pdh (declared heating cap)		kW	2.35	2.54
		COPd (declared COP)			3.95	3.96
		Power input		kW	0.59	0.64
	C Condition (7°C)	Pdh (declared heating cap)		kW	1.54	1.63
		COPd (declared COP)			4.62	4.6
		Power input		kW	0.33	0.35
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.80	1.74
		COPd (declared COP)			5.65	
		Power input		kW	0.32	0.31
	E condition (-10°C)	Pdh (declared heating cap)		kW	-	3.85	4.05
		COPd (declared COP)			-	1.97	
		Power input		kW	-	1.95	1.99
Space heating (Warm climate)	TOL	Tol (temperature operating limit)		°C	-15	
	TBivalent	Tbiv (bivalent temperature)		°C	2	
		Pdh (declared heating cap)		kW	2.35	2.54
		COPd (declared COP)			3.95	3.96
		Power input		kW	0.59	0.64
	B Condition (2°C)	Pdh (declared heating cap)		kW	2.35	2.54
		COPd (declared COP)			3.95	3.96
		Power input		kW	0.59	0.64
	C Condition (7°C)	Pdh (declared heating cap)		kW	1.54	1.63
		COPd (declared COP)			4.62	4.6
Space heating (Warm climate)	C Condition (7°C)	Power input		kW	0.33	0.35
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.80	1.74
		COPd (declared COP)			5.65	
		Power input		kW	0.32	0.31
	E condition (2°C)	Pdh (declared heating cap)		kW	-	3.85	3.92
		COPd (declared COP)			-	1.97	
		Power input		kW	-	1.95	1.99
Power consumption in other than active mode	Crankcase heater mode	PCK		W	0	
	Off mode	POFF		W	15	
	Standby mode	Cooling	PSB	W	15	
		Heating	PSB	W	15	
	Thermo-stat-off mode	PTO	Cooling	W	10	
			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					No	
Warm season included					Yes	
Eurovent	Sound power level outdoor	Cooling	Nom.	dBA	62	63
	Sound power level indoor	Cooling	Nom.	dBA	54	
	Piping length	Cooling	Measuring condition	m	5.00	5

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

2 Specifications

2 - 1 Specifications

Technical specifications				FVXM50A + RXM50A
Cooling capacity	Min.		kW	1.40
	Min.		Btu/h	4,800
	Min.		kcal/h	1,204
	Nom.		kW	5.00
	Nom.		Btu/h	17,100
	Nom.		kcal/h	4,299
	Max.		kW	5.80
	Max.		Btu/h	19,800
	Max.		kcal/h	4,987
Heating capacity	Min.		kW	1.40
	Min.		Btu/h	4,800
	Min.		kcal/h	1,200
	Nom.		kW	5.80
	Nom.		Btu/h	19,800
	Nom.		kcal/h	4,987
	Max.		kW	8.10
	Max.		Btu/h	27,600
	Max.		kcal/h	6,965
Power input	Cooling	Nom.	kW	1.31
	Heating	Nom.	kW	1.52
Nominal efficiency	EER			3.81
	COP			3.81
	Annual energy consumption		kWh	656
	Energy labeling Directive	Cooling		A
		Heating		A
Space cooling	Energy efficiency class			A++
	Capacity	Pdesign	kW	5.00
	SEER			7.30
	Annual energy consumption		kWh/a	240
Space heating (Average climate)	Capacity	Pdesign	kW	4.10
	Energy efficiency class			A+
	SCOP/A			4.31
	SCOPnet/A			4.35
	Pdh Heating capacity at -10°		kW	3.58
	Annual energy consumption		kWh/a	1,330
	Required back up heating cap at design conditions		kW	0.52
Space heating (Warm climate)	Capacity	Pdesignh	kW	2.21
	Energy efficiency class			A++
	SCOP			4.85
	SCOPnet			4.94
	Annual energy consumption		kWh/a	638
	Required back up heating cap at design conditions		kW	0.00
Space cooling	A Condition (35°C - 27/19)	Pdc	kW	5.00
		EERd		3.81
		Power input	kW	1.31
	B Condition (30°C - 27/19)	Pdc	kW	3.69
		EERd		5.49
		Power input	kW	0.67
	C Condition (25°C - 27/19)	Pdc	kW	2.37
		EERd		8.59
		Power input	kW	0.28
	D Condition (20°C - 27/19)	Pdc	kW	2.20
		EERd		12.51
		Power input	kW	0.18

2 Specifications

2 - 1 Specifications

Technical specifications					FVXM50A + RXM50A
Space heating (Average climate)	TOL	Tol (temperature operating limit)		°C	-15
		COPd (declared COP)			1.82
	TBivalent	Tbiv (bivalent temperature)		°C	-7
		Pdh (declared heating cap)		kW	3.63
		COPd (declared COP)			3.16
		Power input		kW	1.15
	A Condition (-7°C)	Pdh (declared heating cap)		kW	3.63
		COPd (declared COP)			3.16
		Power input		kW	1.15
	B Condition (2°C)	Pdh (declared heating cap)		kW	2.21
		COPd (declared COP)			4.45
		Power input		kW	0.50
	C Condition (7°C)	Pdh (declared heating cap)		kW	1.67
		COPd (declared COP)			5.15
		Power input		kW	0.32
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.84
		COPd (declared COP)			5.98
		Power input		kW	0.31
Space heating (Warm climate)	TOL	Tol (temperature operating limit)		°C	-15
Space heating (Warm climate)	TBivalent	Tbiv (bivalent temperature)		°C	2
		Pdh (declared heating cap)		kW	2.21
		COPd (declared COP)			4.45
		Power input		kW	0.50
	B Condition (2°C)	Pdh (declared heating cap)		kW	2.21
		COPd (declared COP)			4.45
		Power input		kW	0.50
	C Condition (7°C)	Pdh (declared heating cap)		kW	1.67
		COPd (declared COP)			5.15
		Power input		kW	0.32
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.84
		COPd (declared COP)			5.98
		Power input		kW	0.31
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	7
			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					No
Warm season included					Yes
Eurovent	Sound power level outdoor	Cooling	Nom.	dBA	62
	Sound power level indoor	Cooling	Nom.	dBA	61
	Piping length	Cooling	Measuring condition	m	5.00

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

Technical specifications			FVXM50A9 + RXM50A
Cooling capacity	Min.	kW	1.40
	Min.	Btu/h	4,800
	Min.	kcal/h	1,204
	Nom.	kW	5.00
	Nom.	Btu/h	17,100
	Nom.	kcal/h	4,299
	Max.	kW	5.80
	Max.	Btu/h	19,800
	Max.	kcal/h	4,987

2 Specifications

2 - 1 Specifications

Technical specifications				FVXM50A9 + RXM50A
Heating capacity	Min.		kW	1.40
	Min.		Btu/h	4,800
	Min.		kcal/h	1,200
	Nom.		kW	5.80
	Nom.		Btu/h	19,800
	Nom.		kcal/h	4,987
	Max.		kW	8.10
	Max.		Btu/h	27,600
	Max.		kcal/h	6,965
Power input	Cooling	Nom.	kW	1.31
	Heating	Nom.	kW	1.52
Nominal efficiency	EER			3.81
	COP			3.81
	Annual energy consumption		kWh	656
	Energy labeling Directive	Cooling		A
		Heating		A
Space cooling	Energy efficiency class			A++
	Capacity	Pdesign	kW	5.00
	SEER			7.30
	Annual energy consumption		kWh/a	240
Space heating (Average climate)	Capacity	Pdesign	kW	4.10
	Energy efficiency class			A+
	SCOP/A			4.31
	SCOPnet/A			4.35
	Pdh Heating capacity at -10°		kW	3.58
	Annual energy consumption		kWh/a	1,330
	Required back up heating cap at design conditions		kW	0.52
Space heating (Warm climate)	Capacity	Pdesignh	kW	2.21
	Energy efficiency class			A++
	SCOP			4.85
	SCOPnet			4.94
	Annual energy consumption		kWh/a	638
	Required back up heating cap at design conditions		kW	0.00
Space cooling	A Condition (35°C - 27/19)	Pdc	kW	5.00
		EERd		3.81
		Power input	kW	1.31
	B Condition (30°C - 27/19)	Pdc	kW	3.69
		EERd		5.49
		Power input	kW	0.67
	C Condition (25°C - 27/19)	Pdc	kW	2.37
		EERd		8.59
		Power input	kW	0.28
	D Condition (20°C - 27/19)	Pdc	kW	2.20
		EERd		12.51
		Power input	kW	0.18
Space heating (Average climate)	TOL	Tol (temperature operating limit)	°C	-15
		COPd (declared COP)		1.82
	TBivalent	Tbiv (bivalent temperature)	°C	-7
		Pdh (declared heating cap)	kW	3.63
		COPd (declared COP)		3.16
		Power input	kW	1.15
	A Condition (-7°C)	Pdh (declared heating cap)	kW	3.63
		COPd (declared COP)		3.16
		Power input	kW	1.15
	B Condition (2°C)	Pdh (declared heating cap)	kW	2.21
		COPd (declared COP)		4.45
		Power input	kW	0.50
	C Condition (7°C)	Pdh (declared heating cap)	kW	1.67
		COPd (declared COP)		5.15
		Power input	kW	0.32
	D Condition (12°C)	Pdh (declared heating cap)	kW	1.84
		COPd (declared COP)		5.98
		Power input	kW	0.31
Space heating (Warm climate)	TOL	Tol (temperature operating limit)	°C	-15

2 Specifications

2 - 1 Specifications

Technical specifications					FVXM50A9 + RXM50A
Space heating (Warm climate)	TBivalent	Tbiv (bivalent temperature)		°C	2
		Pdh (declared heating cap)		kW	2.21
		COPd (declared COP)			4.45
		Power input		kW	0.50
	B Condition (2°C)	Pdh (declared heating cap)		kW	2.21
		COPd (declared COP)			4.45
		Power input		kW	0.50
	C Condition (7°C)	Pdh (declared heating cap)		kW	1.67
		COPd (declared COP)			5.15
		Power input		kW	0.32
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.84
		COPd (declared COP)			5.98
		Power input		kW	0.31
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	7
			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					No
Warm season included					Yes
Eurovent	Sound power level outdoor	Cooling	Nom.	dBA	62
	Sound power level indoor	Cooling	Nom.	dBA	61
	Piping length	Cooling	Measuring condition	m	5.00

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

3 Electrical data

3 - 1 Electrical Data

ARXM35A9
ARXM25-35A
RXM25-35A9
RXM20-42A

Unit combination restrictions		Power supply					COMP		OFM		IFM	
Outdoor unit	Indoor unit	Hz	Voltage	Voltage range	MCA	MFA	RHz	RLA	kW	FLA	kW	FLA
RXM20A5V1B	FTXM20A2V1B	50	220	Maximum 50Hz 264V Minimum 50Hz 198V	9,19	10	30	2	0,05	0,63	0,02	0,22
		50	230					1,9				
		50	240					1,8				
RXM20A5V1B	FTXM20A5V1B	50	220	Maximum 50Hz 264V Minimum 50Hz 198V	9,19	10	30	2	0,05	0,63	0,02	0,22
		50	230					1,9				
		50	240					1,8				
RXM25A5V1B	FTXM25A2V1B	50	220	Maximum 50Hz 264V Minimum 50Hz 198V	10	13	38	2,5	0,05	0,63	0,02	0,22
		50	230					2,4				
		50	240					2,3				
RXM25A5V1B	FTXM25A5V1B	50	220	Maximum 50Hz 264V Minimum 50Hz 198V	10	13	38	2,5	0,05	0,63	0,02	0,22
		50	230					2,4				
		50	240					2,3				
RXM35A5V1B	FTXM35A2V1B	50	220	Maximum 50Hz 264V Minimum 50Hz 198V	10,1	13	57	3,6	0,05	0,63	0,03	0,31
		50	230					3,4				
		50	240					3,3				
RXM35A5V1B	FTXM35A5V1B	50	220	Maximum 50Hz 264V Minimum 50Hz 198V	10,1	13	57	3,6	0,05	0,63	0,03	0,31
		50	230					3,4				
		50	240					3,3				
RXM42A5V1B	FTXM42A2V1B	50	220	Maximum 50Hz 264V Minimum 50Hz 198V	11,5	13	46	4,7	0,05	0,63	0,04	0,36
		50	230					4,5				
		50	240					4,3				
RXM42A5V1B	FTXM42A5V1B	50	220	Maximum 50Hz 264V Minimum 50Hz 198V	11,5	13	46	4,7	0,05	0,63	0,04	0,36
		50	230					4,5				
		50	240					4,3				
ARXM25A5V1B	ATXM25A2V1B	50	220	Maximum 50Hz 264V Minimum 50Hz 198V	10	13	38	2,5	0,05	0,63	0,02	0,22
		50	230					2,4				
		50	240					2,3				
ARXM25A5V1B	ATXM25A5V1B	50	220	Maximum 50Hz 264V Minimum 50Hz 198V	10	13	38	2,5	0,05	0,63	0,02	0,22
		50	230					2,4				
		50	240					2,3				
ARXM35A5V1B	ATXM35A2V1B	50	220	Maximum 50Hz 264V Minimum 50Hz 198V	10,1	13	57	3,7	0,05	0,63	0,03	0,31
		50	230					3,5				
		50	240					3,4				
ARXM35A5V1B	ATXM35A5V1B	50	220	Maximum 50Hz 264V Minimum 50Hz 198V	10,1	13	57	3,7	0,05	0,63	0,03	0,31
		50	230					3,5				
		50	240					3,4				

Symbols
- MCA: Minimum Circuit Ampere [A]
- MFA: Maximum Fuse Ampere [A]
- RLA: Rated load amps [A]
- OFM: Outdoor fan motor
- IFM: Indoor fan motor
- FLA: Full load amps [A]
- kW: Fan motor rated output [kW]
- RHz: Rated operating frequency [Hz]

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.

4D148957A

3 Electrical data

3 - 1 Electrical Data

ARXM35A9
ARXM25-35A
RXM25-35A9
RXM20-42A

Unit combination restrictions		Power supply					COMP		OFM		IFM	
Outdoor unit	Indoor unit	Hz	Voltage	Voltage range	MCA	MFA	RHz	RLA	kW	FLA	kW	FLA
RXM25A5V1B9	FTXM25A2V1B	50	220	Maximum 50Hz 264V Minimum 50Hz 198V	10	13	38	2,5	0,05	0,63	0,02	0,22
		50	230					2,4				
		50	240					2,3				
RXM25A5V1B9	FTXM25A5V1B	50	220	Maximum 50Hz 264V Minimum 50Hz 198V	10	13	38	2,5	0,05	0,63	0,02	0,22
		50	230					2,4				
		50	240					2,3				
RXM35A5V1B9	FTXM35A2V1B	50	220	Maximum 50Hz 264V Minimum 50Hz 198V	10,1	13	57	3,6	0,05	0,63	0,03	0,31
		50	230					3,4				
		50	240					3,3				
RXM35A5V1B9	FTXM35A5V1B	50	220	Maximum 50Hz 264V Minimum 50Hz 198V	10,1	13	57	3,6	0,05	0,63	0,03	0,31
		50	230					3,4				
		50	240					3,3				
ARXM35A5V1B9	ATXM35A2V1B	50	220	Maximum 50Hz 264V Minimum 50Hz 198V	10,1	13	57	3,7	0,05	0,63	0,03	0,31
		50	230					3,5				
		50	240					3,4				
ARXM35A5V1B9	ATXM35A5V1B	50	220	Maximum 50Hz 264V Minimum 50Hz 198V	10,1	13	57	3,7	0,05	0,63	0,03	0,31
		50	230					3,5				
		50	240					3,4				

Symbols
- MCA: Minimum Circuit Ampere [A]
- MFA: Maximum Fuse Ampere [A]
- RLA: Rated load amps [A]
- OFM: Outdoor fan motor
- IFM: Indoor fan motor
- FLA: Full load amps [A]
- kW: Fan motor rated output [kW]
- RHz: Rated operating frequency [Hz]

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.

4D148957A

3 Electrical data

3 - 1 Electrical Data

ARXM50A
RXM50A

Unit combination restrictions		Power supply					COMP		OFM		IFM	
Outdoor unit	Indoor unit	Hz	Voltage	Voltage range	MCA	MFA	RHz	RLA	kW	FLA	kW	FLA
RXM50A5V1B	FTXM50A2V1B	50	220	Maximum 50Hz 264V Minimum 50Hz 198V	14,28	16	64	6,5	0,056	0,37	0,04	0,36
		50	230					6,2				
		50	240					5,9				
RXM50A5V1B	FTXM50A5V1B	50	220	Maximum 50Hz 264V Minimum 50Hz 198V	14,28	16	64	6,5	0,056	0,37	0,04	0,36
		50	230					6,2				
		50	240					5,9				
RXM50A5V1B	FVXM50A3V1B	50	220	Maximum 50Hz 264V Minimum 50Hz 198V	14,04	16	58	5,3	0,056	0,37	0,037	0,14
		50	230					5,1				
		50	240					4,9				
RXM50A5V1B	FVXM50A3V1B9	50	220	Maximum 50Hz 264V Minimum 50Hz 198V	14,04	16	58	5,3	0,056	0,37	0,037	0,14
		50	230					5,1				
		50	240					4,9				
RXM50A5V1B	FCAG50BVEB	50	220	Maximum 50Hz 264V Minimum 50Hz 198V	14,21	16	58	5,2	0,056	0,37	0,048	0,3
		50	230					5				
		50	240					4,8				
RXM50A5V1B	FBA50A2VEB9	50	220	Maximum 50Hz 264V Minimum 50Hz 198V	15,42	16	55	5,2	0,056	0,37	0,089	1,4
		50	230					5				
		50	240					4,8				
RXM50A5V1B	FHA50AVEB98	50	220	Maximum 50Hz 264V Minimum 50Hz 198V	14,54	16	64	5,5	0,056	0,37	0,09	0,6
		50	230					5,3				
		50	240					5,2				
RXM50A5V1B	FFA50A2VEB9	50	220	Maximum 50Hz 264V Minimum 50Hz 198V	14,32	16	62	5,6	0,056	0,37	0,05	0,4
		50	230					5,4				
		50	240					5,3				
RXM50A5V1B	FDXM50F3V1B9	50	220	Maximum 50Hz 264V Minimum 50Hz 198V	14,87	16	55	4,9	0,056	0,37	0,06	0,9
		50	230					4,7				
		50	240					4,5				
RXM50A5V1B	FNA50A2VEB9	50	220	Maximum 50Hz 264V Minimum 50Hz 198V	14,43	16	55	4,9	0,056	0,37	0,06	0,5
		50	230					4,7				
		50	240					4,5				
ARXM50A5V1B	ATXM50A2V1B	50	220	Maximum 50Hz 264V Minimum 50Hz 198V	14,28	16	64	6,7	0,056	0,37	0,04	0,36
		50	230					6,4				
		50	240					6,1				
ARXM50A5V1B	ATXM50A5V1B	50	220	Maximum 50Hz 264V Minimum 50Hz 198V	14,28	16	64	6,7	0,056	0,37	0,04	0,36
		50	230					6,4				
		50	240					6,1				
ARXM50A5V1B	ADEA50A2VEB	50	220	Maximum 50Hz 264V Minimum 50Hz 198V	15,42	16	55	5,2	0,056	0,37	0,089	1,4
		50	230					5				
		50	240					4,8				
RXM50A5V1B	FVXM50B2V1B	50	220	Maximum 50Hz 264V Minimum 50Hz 198V	14,04	16	58	5,3	0,056	0,37	0,037	0,14
		50	230					5,1				
		50	240					4,9				

Symbols

MCA:	Minimum Circuit Ampere [A]
MFA:	Maximum Fuse Ampere [A]
RLA:	Rated load amps [A]
OFM:	Outdoor fan motor
IFM:	Indoor fan motor
FLA:	Full load amps [A]
kW:	Fan motor rated output [kW]
RHz:	Rated operating frequency [Hz]

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.

4D148958A

3 Electrical data

3 - 1 Electrical Data

ARXM50A9
ARXM60-71A
RXM50A9
RXM60-71A

Unit combination restrictions		Power supply					COMP		OFM		IFM	
Outdoor unit	Indoor unit	Hz	Voltage	Voltage range	MCA	MFA	RHz	RLA	kW	FLA	kW	FLA
RXM50A5V1B9	FTXM50A2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14.78	16	64	6.5	0.066	0.83	0.040	0.36
		50	230					6.2				
		50	240					5.9				
RXM50A5V1B9	FTXM50A5V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14.78	16	64	6.5	0.066	0.83	0.040	0.36
		50	230					6.2				
		50	240					5.9				
RXM50A5V1B9	FVXM50A3V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14.54	16	58	5.3	0.066	0.83	0.037	0.14
		50	230					5.1				
		50	240					4.9				
RXM50A5V1B9	FVXM50A3V1B9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14.54	16	58	5.3	0.066	0.83	0.037	0.14
		50	230					5.1				
		50	240					4.9				
RXM50A5V1B9	FCAG50BVEB	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14.71	16	58	5.2	0.066	0.83	0.048	0.30
		50	230					5.0				
		50	240					4.8				
RXM50A5V1B9	FBA50A2VEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	15.92	16	55	5.2	0.066	0.83	0.089	1.40
		50	230					5.0				
		50	240					4.8				
RXM50A5V1B9	FHA50AVEB98	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	15.04	16	64	5.5	0.066	0.83	0.090	0.60
		50	230					5.3				
		50	240					5.2				
RXM50A5V1B9	FFA50A2VEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14.82	16	62	5.6	0.066	0.83	0.050	0.40
		50	230					5.4				
		50	240					5.3				
RXM50A5V1B9	FDXM50F3V1B9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	15.37	16	55	4.9	0.066	0.83	0.060	0.90
		50	230					4.7				
		50	240					4.5				
RXM50A5V1B9	FNA50A2VEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14.93	16	55	4.9	0.066	0.83	0.060	0.50
		50	230					4.7				
		50	240					4.5				
ARXM50A5V1B9	ATXM50A2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14.78	16	64	6.7	0.066	0.83	0.040	0.36
		50	230					6.4				
		50	240					6.1				
ARXM50A5V1B9	ATXM50A5V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14.78	16	64	6.7	0.066	0.83	0.040	0.36
		50	230					6.4				
		50	240					6.1				
ARXM50A5V1B9	ADEA50A2VEB	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	15.92	16	55	5.2	0.066	0.83	0.089	1.40
		50	230					5.0				
		50	240					4.8				
ARXM60A5V1B	ADEA60A2VEB	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	15.92	16	66	6.2	0.066	0.83	0.070	1.30
		50	230					6.0				
		50	240					5.7				
ARXM71A5V1B	ADEA71A2VEB	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	15.92	16	81	8.2	0.066	0.83	0.070	1.30
		50	230					7.8				
		50	240					7.5				
ARXM71A5V1B	FCAG71BVEB	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	15.37	16	81	8.1	0.066	0.83	0.054	0.40
		50	230					7.7				
		50	240					7.4				
ARXM71A5V1B	FBA71A2VEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	15.92	16	81	8.2	0.066	0.83	0.070	1.30
		50	230					7.8				
		50	240					7.5				
ARXM71A5V1B	FAA71BUV1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	15.37	16	83	8.3	0.066	0.83	0.048	0.40
		50	230					7.9				
		50	240					7.6				
RXM60A5V1B	FTXM60R2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	15.59	16	70	6.6	0.066	0.83	0.046	0.60
		50	230					6.3				
		50	240					6.0				
RXM60A5V1B	FTXM60A2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	15.59	16	70	6.6	0.066	0.83	0.046	0.60
		50	230					6.3				
		50	240					6.0				
RXM60A5V1B	FCAG60BVEB	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	15.26	16	71	6.5	0.066	0.83	0.048	0.30
		50	230					6.3				
		50	240					6.2				
RXM60A5V1B	FBA60A2VEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	15.92	16	66	6.1	0.066	0.83	0.070	1.30
		50	230					6.0				
		50	240					5.8				
RXM60A5V1B	FHA60AVEB98	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	15.59	16	62	5.5	0.066	0.83	0.091	0.60
		50	230					5.3				
		50	240					5.1				
RXM60A5V1B	FFA60A2VEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	15.59	16	70	6.5	0.066	0.83	0.050	0.60
		50	230					6.3				
		50	240					6.2				
RXM60A5V1B	FDXM60F3V1B9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	15.92	16	73	6.7	0.066	0.83	0.060	0.90
		50	230					6.5				
		50	240					6.4				
RXM60A5V1B	FNA60A2VEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	15.59	16	73	6.7	0.066	0.83	0.060	0.60
		50	230					6.5				
		50	240					6.4				
RXM71A5V1B	FTXM71R2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	19.91	20	54	9.4	0.090	1.00	0.052	0.60
		50	230					8.9				
		50	240					8.6				
RXM71A5V1B	FTXM71A2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	19.91	20	54	9.4	0.090	1.00	0.052	0.60
		50	230					8.9				
		50	240					8.6				

Symbols

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

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.

4D151784B

3 Electrical data

3 - 1 Electrical Data

ARXM50A9
ARXM60-71A
RXM50A9
RXM60-71A

Unit combination restrictions		Power supply					COMP		OFM		IFM	
Outdoor unit	Indoor unit	Hz	Voltage	Voltage range	MCA	MFA	RHz	RLA	kW	FLA	kW	FLA
RXM50A5V1B9	FVXM50B2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14.54	16	58	5.3	0.066	0.83	0.037	0.14
		50	230					5.1				
		50	240					4.9				
ARXM71A5V1B	FHA71AVEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	15.81	16	83	8.3	0.066	0.83	0.110	0.80
		50	230					7.9				
		50	240					7.6				
ARXM71A5V1B	FHA71AVEB99	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	15.81	16	83	8.3	0.066	0.83	0.110	0.80
		50	230					7.9				
		50	240					7.6				
ARXM71A5V1B	FHA71AVEB98	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	15.81	16	83	8.3	0.066	0.83	0.110	0.80
		50	230					7.9				
		50	240					7.6				

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

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.

4D151784B

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FTXM20A / RXM20A

Cooling ·50Hz 220 -240V·

AFR	10,3
BF	0,17

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	2,05	1,90	0,29	1,96	1,86	0,31	1,86	1,81	0,34	1,83	1,80	0,35	1,77	1,77	0,37	1,68	1,68	0,40
16	22	2,14	1,87	0,29	2,05	1,83	0,32	1,95	1,79	0,34	1,92	1,78	0,35	1,86	1,75	0,37	1,77	1,71	0,40
18	25	2,23	2,01	0,29	2,14	1,97	0,32	2,05	1,94	0,35	2,01	1,92	0,36	1,95	1,90	0,37	1,86	1,86	0,40
19	**27**	2,28	2,17	0,29	2,19	2,13	0,32	2,09	2,09	0,35	2,06	2,06	0,36	2,00	2,00	0,37	1,91	1,91	0,40
22	30	2,42	2,11	0,29	2,32	2,08	0,32	2,23	2,05	0,35	2,19	2,03	0,36	2,14	2,02	0,38	2,05	1,99	0,40
24	32	2,51	2,07	0,30	2,42	2,04	0,32	2,32	2,01	0,35	2,29	2,00	0,36	2,23	1,98	0,38	2,14	1,96	0,41

Heating ·50Hz 220 -240V·

AFR	11,4

Indoor air temperature	Outdoor temperature [°C WB]											
	-15		-10		-5		0		**6**		10	
[°C DB]	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15	1,27	0,39	1,59	0,41	1,90	0,43	2,22	0,45	2,60	0,47	2,85	0,48
20	1,17	0,42	1,49	0,44	1,80	0,46	2,12	0,48	2,50	0,50	2,75	0,52
22	1,13	0,43	1,45	0,45	1,76	0,47	2,08	0,49	2,46	0,51	2,71	0,53
24	1,09	0,44	1,41	0,46	1,72	0,48	2,04	0,50	2,42	0,52	2,67	0,54
25	1,07	0,45	1,39	0,47	1,70	0,49	2,02	0,51	2,40	0,53	2,65	0,55
27	1,03	0,46	1,35	0,48	1,66	0,50	1,98	0,52	2,36	0,54	2,61	0,56

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

Indoor air temperature	Outdoor temperature [°C WB]													
	-20		-15		-10		-5		0		**6**		10	
[°C DB]	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
20	1,82	0,72	2,34	0,81	2,85	0,89	3,37	0,98	3,38	1,06	4,50	1,17	4,91	1,23

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

Symbols

AFR	Air flow rate [m³/min]
BF	Bypass factor
°C WB	Wet-bulb temperature [°C WB]
°C DB	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.

4D150084

FTXM25A / RXM25A

Cooling 50Hz 220 -240V

AFR	11,9
BF	0,16

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	2,29	0,37	2,44	2,23	0,40	2,33	2,18	0,44	2,28	2,16	0,45	2,21	2,13	0,48	2,10	2,08	0,51
16	22	2,68	2,25	0,37	2,56	2,20	0,41	2,44	2,15	0,44	2,40	2,13	0,46	2,33	2,10	0,48	2,21	2,05	0,51
18	25	2,79	2,41	0,37	2,68	2,36	0,41	2,56	2,32	0,44	2,51	2,30	0,46	2,44	2,27	0,48	2,33	2,23	0,52
19	**27**	2,85	2,59	0,37	2,73	2,55	0,41	2,62	2,50	0,45	2,57	2,48	0,46	2,50	2,46	0,48	2,38	2,38	0,52
22	30	3,02	2,52	0,38	2,91	2,48	0,41	2,79	2,44	0,45	2,74	2,42	0,46	2,67	2,40	0,48	2,56	2,36	0,52
24	32	3,14	2,47	0,38	3,02	2,43	0,42	2,90	2,40	0,45	2,86	2,38	0,46	2,79	2,36	0,49	2,67	2,33	0,52

Heating 50Hz 220 -240V

AFR	11,4

Indoor air temperature	Outdoor temperature [°C WB]											
	-15		-10		-5		0		**6**		10	
[°C DB]	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15	1,45	0,44	1,79	0,46	2,14	0,48	2,49	0,50	2,91	0,53	3,18	0,54
20	1,34	0,47	1,69	0,49	2,04	0,51	2,38	0,54	2,80	0,56	3,08	0,58
22	1,30	0,49	1,65	0,51	1,99	0,53	2,34	0,55	2,76	0,57	3,04	0,59
24	1,26	0,50	1,61	0,52	1,95	0,54	2,30	0,56	2,72	0,59	2,99	0,60
25	1,24	0,51	1,58	0,53	1,93	0,55	2,28	0,57	2,69	0,60	2,97	0,61
27	1,20	0,52	1,54	0,54	1,89	0,56	2,24	0,58	2,65	0,61	2,93	0,63

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

Indoor air temperature	Outdoor temperature [°C WB]													
	-20		-15		-10		-5		0		**6**		10	
[°C DB]	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
20	2,06	0,83	2,63	0,93	3,19	1,03	3,38	1,13	3,77	1,23	5,00	1,36	5,45	1,44

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

Symbols

AFR	Air flow rate [m³/min]
BF	Bypass factor
°C WB	Wet-bulb temperature [°C WB]
°C DB	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: 0m
6. The air flow rate and bypass factor are mentioned in the table.

4D150085A

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FTXM35A / RXM35A

Cooling 50Hz 220 -240V

AFR	13,2
BF	0,23

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	2,79	0,58	3,42	2,71	0,64	3,26	2,63	0,69	3,19	2,60	0,71	3,10	2,55	0,75	2,93	2,48	0,80
16	22	3,75	2,74	0,58	3,58	2,67	0,64	3,42	2,59	0,70	3,36	2,57	0,72	3,26	2,52	0,75	3,10	2,45	0,81
18	25	3,91	2,89	0,59	3,75	2,82	0,64	3,58	2,75	0,70	3,52	2,73	0,72	3,42	2,69	0,75	3,26	2,62	0,81
19	**27**	3,99	3,07	0,59	3,83	3,00	0,64	3,66	2,93	0,70	3,60	2,91	0,72	3,50	2,87	0,76	3,34	2,81	0,81
22	30	4,23	2,96	0,59	4,07	2,91	0,65	3,90	2,85	0,71	3,84	2,82	0,73	3,74	2,79	0,76	3,58	2,73	0,82
24	32	4,39	2,89	0,60	4,23	2,84	0,65	4,07	2,79	0,71	4,00	2,76	0,73	3,90	2,73	0,76	3,74	2,68	0,82

Heating 50Hz 220 -240V

AFR	11,1

Indoor air temperature	Outdoor temperature [°C WB]											
	-15		-10		-5		0		**6**		10	
[°C DB]	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15	2,18	0,69	2,63	0,72	3,08	0,74	3,08	0,77	4,08	0,80	4,44	0,83
20	2,10	0,77	2,55	0,79	3,00	0,82	3,01	0,85	4,00	0,88	4,36	0,90
22	2,07	0,80	2,52	0,82	2,97	0,85	2,99	0,88	3,97	0,91	4,33	0,93
24	2,04	0,83	2,49	0,85	2,94	0,88	2,96	0,91	3,94	0,94	4,30	0,96
25	2,02	0,84	2,47	0,87	2,92	0,89	2,94	0,92	3,92	0,95	4,28	0,98
27	1,99	0,87	2,44	0,90	2,89	0,92	2,92	0,95	3,89	0,98	4,25	1,01

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

Indoor air temperature	Outdoor temperature [°C WB]													
	-20		-15		-10		-5		0		**6**		10	
[°C DB]	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
20	2,12	0,85	2,77	0,98	3,42	1,11	3,55	1,24	4,12	1,37	5,50	1,52	6,02	1,62

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

Symbols

AFR	Air flow rate [m³/min]
BF	Bypass factor
°C WB	Wet-bulb temperature [°C WB]
°C DB	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: 0m
6. The air flow rate and bypass factor are mentioned in the table.

4D150086A

FTXM42A / RXM42A

Cooling ·50Hz 220 -240V·

AFR	13,3
BF	0,26

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	4,04	2,98	0,72	4,04	2,98	0,83	3,91	2,92	0,92	3,83	2,88	0,94	3,72	2,82	0,99	3,52	2,72	1,06
16	22	4,50	3,06	0,77	4,30	2,97	0,85	4,11	2,87	0,92	4,03	2,84	0,95	3,91	2,78	0,99	3,71	2,69	1,07
18	25	4,69	3,19	0,78	4,49	3,11	0,85	4,30	3,02	0,92	4,22	2,99	0,95	4,10	2,93	1,00	3,91	2,85	1,07
19	**27**	4,79	3,36	0,78	4,59	3,27	0,85	4,40	3,19	0,93	4,32	3,16	0,96	4,20	3,11	1,00	4,00	3,03	1,07
22	30	5,08	3,23	0,78	4,88	3,16	0,86	4,69	3,08	0,93	4,61	3,06	0,96	4,49	3,01	1,01	4,29	2,94	1,08
24	32	5,27	3,14	0,79	5,07	3,08	0,86	4,88	3,01	0,94	4,80	2,98	0,97	4,68	2,94	1,01	4,49	2,88	1,08

Heating ·50Hz 220 -240V·

AFR	14,0

Indoor air temperature	Outdoor temperature [°C WB]											
	-15		-10		-5		0		**6**		10	
[°C DB]	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15	2,77	0,88	3,43	0,96	3,69	1,04	4,10	1,12	5,56	1,21	6,09	1,28
20	2,61	0,95	3,27	1,03	3,55	1,11	3,96	1,19	5,40	1,29	5,93	1,35
22	2,55	0,98	3,21	1,06	3,49	1,14	3,90	1,22	5,34	1,32	5,87	1,38
24	2,48	1,01	3,15	1,09	3,43	1,17	3,85	1,25	5,27	1,35	5,80	1,41
25	2,45	1,03	3,11	1,11	3,40	1,19	3,82	1,27	5,24	1,36	5,77	1,43
27	2,39	1,06	3,05	1,14	3,34	1,22	3,77	1,30	5,18	1,39	5,71	1,46

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

Indoor air temperature	Outdoor temperature [°C WB]													
	-20		-15		-10		-5		0		**6**		10	
[°C DB]	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
20	2,36	1,02	3,10	1,13	3,84	1,24	3,94	1,34	4,57	1,45	6,20	1,59	6,79	1,67

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

Symbols

AFR	Air flow rate [m³/min]
BF	Bypass factor
°C WB	Wet-bulb temperature [°C WB]
°C DB	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.

4D150087

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FBA50A9 / RXM50A

AFR	15,0
BF	0,13

Cooling ·50· Hz ·220 - 240· V

Indoor temperature		Outdoor temperature [°C DB]																	
EWB	EDB	20			25			30			32			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14,0	20	5,12	3,84	1,08	4,89	3,72	1,18	4,66	3,61	1,29	4,56	3,56	1,33	4,42	3,49	1,39	4,19	3,38	1,50
16,0	22	5,35	3,77	1,09	5,12	3,66	1,19	4,89	3,55	1,29	4,79	3,51	1,34	4,65	3,45	1,40	4,42	3,34	1,50
18,0	25	5,58	3,95	1,09	5,35	3,85	1,20	5,12	3,75	1,30	5,02	3,71	1,34	4,88	3,66	1,40	4,65	3,56	1,51
19,0	27	5,70	4,18	1,10	5,47	4,08	1,20	5,23	3,98	1,30	5,14	3,94	1,35	5,00	3,89	1,41	4,77	3,79	1,51
22,0	30	6,04	4,03	1,11	5,81	3,94	1,21	5,58	3,86	1,31	5,49	3,82	1,35	5,35	3,77	1,42	5,11	3,69	1,52
24,0	32	6,27	3,92	1,11	6,04	3,85	1,22	5,81	3,77	1,32	5,72	3,74	1,36	5,58	3,69	1,42	5,34	3,62	1,53

AFR	15,0

Heating ·50· Hz ·220 - 240· V

Indoor temperature	Outdoor temperature [°C WB]											
EDB	-15		-10		-5		0		6		10	
°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15,0	2,56	1,16	3,07	1,21	3,59	1,27	4,10	1,33	5,69	1,40	6,19	1,45
20,0	2,40	1,19	2,92	1,25	3,43	1,31	3,95	1,37	5,50	1,44	6,00	1,48
22,0	2,34	1,20	2,85	1,26	3,37	1,32	3,88	1,38	5,42	1,45	5,92	1,50
24,0	2,27	1,21	2,79	1,27	3,30	1,33	3,82	1,39	5,35	1,46	5,84	1,51
25,0	2,24	1,22	2,76	1,28	3,27	1,34	3,79	1,40	5,31	1,47	5,81	1,52
27,0	2,18	1,23	2,69	1,29	3,21	1,35	3,73	1,41	5,23	1,48	5,73	1,53

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. On the figure the ·□· mark shows the rated capacity and rated coefficient of the power 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.

3D110073D

FDXM50F9 / RXM50A

AFR	15,8
BF	0,11

Cooling ·50· Hz ·220 - 240· V

Indoor temperature		Outdoor temperature [°C DB]																	
EWB	EDB	20			25			30			32			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14,0	20	4,38	3,24	1,15	4,38	3,24	1,30	4,38	3,24	1,46	4,38	3,24	1,53	4,38	3,24	1,61	4,17	3,13	1,75
16,0	22	5,35	3,56	1,27	5,12	3,44	1,40	4,89	3,33	1,52	4,79	3,28	1,57	4,65	3,22	1,62	4,37	3,08	1,75
18,0	25	5,58	3,70	1,28	5,35	3,59	1,40	5,12	3,48	1,52	5,02	3,44	1,57	4,88	3,38	1,63	4,58	3,24	1,75
19,0	27	5,70	3,87	1,28	5,47	3,76	1,41	5,23	3,66	1,53	5,14	3,62	1,58	5,00	3,56	1,63	4,68	3,42	1,75
22,0	30	6,04	3,72	1,30	5,81	3,63	1,42	5,58	3,54	1,54	5,49	3,50	1,59	5,35	3,45	1,65	4,97	3,31	1,75
24,0	32	6,27	3,61	1,30	6,04	3,53	1,42	5,81	3,45	1,55	5,72	3,41	1,60	5,58	3,36	1,66	5,17	3,22	1,75

AFR	15,8

Heating ·50· Hz ·220 - 240· V

Indoor temperature	Outdoor temperature [°C WB]											
EDB	-15		-10		-5		0		6		10	
°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15,0	2,70	1,51	3,24	1,58	3,78	1,66	4,33	1,74	6,00	1,83	6,52	1,89
20,0	2,53	1,55	3,07	1,62	3,62	1,70	4,16	1,78	5,80	1,87	6,32	1,93
22,0	2,46	1,56	3,01	1,64	3,55	1,72	4,10	1,80	5,72	1,89	6,24	1,95
24,0	2,40	1,58	2,94	1,66	3,49	1,74	4,03	1,81	5,64	1,90	5,96	1,97
25,0	2,36	1,59	2,91	1,67	3,45	1,74	4,00	1,82	5,60	1,91	5,73	1,97
27,0	2,30	1,61	2,84	1,68	3,39	1,76	3,93	1,84	5,27	1,93	5,27	1,99

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. On the figure the ·□· mark shows the rated capacity and rated coefficient of the power 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.

3D110080D

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FCAG50B / RXM50A

AFR	12,6
BF	0,22

Cooling ·50· Hz ·220 - 240· V

Indoor temperature		Outdoor temperature [°C DB]																	
EWB	EDB	20			25			30			32			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14,0	20	4,03	2,98	0,91	4,03	2,98	1,04	4,03	2,98	1,17	4,03	2,98	1,23	4,03	2,98	1,31	4,03	2,98	1,46
16,0	22	5,13	3,37	1,05	5,12	3,37	1,18	4,89	3,25	1,28	4,79	3,21	1,33	4,65	3,14	1,39	4,42	3,03	1,49
18,0	25	5,58	3,61	1,08	5,35	3,50	1,19	5,12	3,39	1,29	5,02	3,35	1,33	4,88	3,28	1,39	4,65	3,18	1,50
19,0	27	5,70	3,77	1,09	5,47	3,66	1,19	5,23	3,55	1,29	5,14	3,51	1,34	5,00	3,45	1,40	4,77	3,35	1,50
22,0	30	6,04	3,62	1,10	5,81	3,52	1,20	5,58	3,43	1,30	5,49	3,39	1,34	5,35	3,34	1,41	5,11	3,25	1,51
24,0	32	6,27	3,51	1,10	6,04	3,42	1,21	5,81	3,34	1,31	5,72	3,30	1,35	5,58	3,25	1,41	5,34	3,17	1,52

AFR	12,6

Heating ·50· Hz ·220 - 240· V

Indoor temperature	Outdoor temperature [°C WB]											
EDB	-15		-10		-5		0		6		10	
°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15,0	2,79	1,30	3,35	1,37	3,91	1,44	4,48	1,50	6,21	1,59	6,75	1,64
20,0	2,62	1,34	3,18	1,41	3,74	1,47	4,31	1,54	6,00	1,62	6,54	1,68
22,0	2,55	1,36	3,11	1,42	3,67	1,49	4,24	1,56	5,92	1,64	6,31	1,69
24,0	2,48	1,37	3,04	1,44	3,61	1,50	4,17	1,57	5,83	1,65	5,86	1,70
25,0	2,45	1,38	3,01	1,44	3,57	1,51	4,13	1,58	5,63	1,66	5,63	1,71
27,0	2,38	1,39	2,94	1,46	3,50	1,53	4,06	1,59	5,18	1,67	5,18	1,73

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. On the figure the ·□· mark shows the rated capacity and rated coefficient of the power 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.

3D110076E

FFA50A9 / RXM50A

AFR	12,7
BF	0,16

Cooling ·50· Hz ·220 - 240· V

Indoor temperature		Outdoor temperature [°C DB]																	
EWB	EDB	20			25			30			32			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14,0	20	4,14	3,06	1,03	4,14	3,06	1,17	4,14	3,06	1,32	4,14	3,06	1,38	4,14	3,06	1,47	4,14	3,06	1,63
16,0	22	5,26	3,46	1,18	5,12	3,39	1,30	4,89	3,27	1,42	4,79	3,23	1,46	4,65	3,16	1,53	4,42	3,05	1,65
18,0	25	5,58	3,64	1,20	5,35	3,53	1,31	5,12	3,42	1,43	5,02	3,37	1,47	4,88	3,31	1,54	4,65	3,21	1,65
19,0	27	5,70	3,80	1,20	5,47	3,69	1,31	5,23	3,59	1,43	5,14	3,54	1,47	5,00	3,48	1,54	4,77	3,38	1,66
22,0	30	6,04	3,65	1,21	5,81	3,55	1,33	5,58	3,46	1,44	5,49	3,42	1,48	5,35	3,37	1,55	5,11	3,28	1,67
24,0	32	6,27	3,54	1,22	6,04	3,45	1,33	5,81	3,37	1,45	5,72	3,34	1,49	5,58	3,29	1,56	5,34	3,20	1,67

AFR	12,7

Heating ·50· Hz ·220 - 240· V

Indoor temperature	Outdoor temperature [°C WB]											
EDB	-15		-10		-5		0		6		10	
°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15,0	2,70	1,34	3,24	1,41	3,78	1,47	4,33	1,54	6,00	1,62	6,52	1,68
20,0	2,53	1,37	3,07	1,44	3,62	1,51	4,16	1,58	5,80	1,66	6,32	1,72
22,0	2,46	1,39	3,01	1,46	3,55	1,53	4,10	1,59	5,72	1,68	6,21	1,73
24,0	2,40	1,40	2,94	1,47	3,49	1,54	4,03	1,61	5,64	1,69	5,77	1,75
25,0	2,36	1,41	2,91	1,48	3,45	1,55	4,00	1,62	5,55	1,70	5,55	1,75
27,0	2,30	1,43	2,84	1,50	3,39	1,56	3,93	1,63	5,10	1,71	5,10	1,77

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. On the figure the ·□· mark shows the rated capacity and rated coefficient of the power 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.

3D110085D

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FTXM50A / RXM50A

AFR	12,7
BF	0,23

Cooling ·50Hz 220 -240V·

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	4,00	2,95	0,70	4,00	2,95	0,82	4,00	2,95	0,95	4,00	2,95	1,01	4,00	2,95	1,11	4,00	2,95	1,32
16	22	5,08	3,35	0,96	5,08	3,35	1,13	4,89	3,25	1,25	4,79	3,20	1,29	4,65	3,13	1,35	4,42	3,02	1,45
18	25	5,58	3,60	1,05	5,35	3,49	1,15	5,12	3,38	1,26	5,02	3,34	1,30	4,88	3,27	1,36	4,65	3,17	1,46
19	**27**	5,70	3,76	1,06	5,47	3,65	1,16	5,23	3,54	1,26	5,14	3,50	1,30	5,00	3,44	1,36	4,77	3,34	1,46
22	30	6,04	3,61	1,07	5,81	3,51	1,17	5,58	3,42	1,27	5,49	3,38	1,31	5,35	3,33	1,37	5,11	3,24	1,47
24	32	6,27	3,50	1,07	6,04	3,41	1,17	5,81	3,33	1,27	5,72	3,29	1,31	5,58	3,24	1,37	5,34	3,16	1,47

AFR	14,5

Heating ·50Hz 220 -240V·

Indoor air temperature	Outdoor temperature [°C WB]											
	-15		-10		-5		0		**6**		10	
[°C DB]	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15	2,95	0,98	3,68	1,07	3,83	1,15	4,45	1,24	5,99	1,35	6,57	1,41
20	2,76	1,03	3,48	1,12	3,66	1,21	4,29	1,29	5,80	1,40	6,38	1,47
22	2,68	1,05	3,41	1,14	3,59	1,23	4,22	1,31	5,72	1,42	6,30	1,49
24	2,61	1,08	3,33	1,16	4,05	1,25	4,15	1,34	5,65	1,44	6,22	1,51
25	2,57	1,09	3,29	1,17	4,01	1,26	4,12	1,35	5,61	1,45	6,19	1,52
27	2,49	1,11	3,21	1,19	3,94	1,28	4,05	1,37	5,53	1,47	6,11	1,54

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

Indoor air temperature	Outdoor temperature [°C WB]													
	-20		-15		-10		-5		0		**6**		10	
[°C DB]	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
20	3,20	1,41	3,84	1,47	4,47	1,53	4,44	1,58	4,99	1,64	6,50	1,71	7,01	1,76

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

Symbols

AFR	Air flow rate [m³/min]
BF	Bypass factor
°C WB	Wet-bulb temperature [°C WB]
°C DB	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.

4D150088

FVXM50A / RXM50A
FVXM50A9 / RXM50A

AFR	11,6
BF	0,11

Cooling ·50· Hz ·220 - 240· V

Indoor temperature		Outdoor temperature [°C DB]																	
EWB	EDB	20			25			30			32			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14,0	20	4,34	3,70	0,95	4,28	3,70	1,07	4,18	3,69	1,18	4,11	3,69	1,23	4,06	3,69	1,29	4,01	3,69	1,39
16,0	22	5,15	3,63	1,01	5,02	3,59	1,11	4,86	3,55	1,21	4,79	3,53	1,25	4,65	3,50	1,30	4,42	3,45	1,40
18,0	25	5,48	3,87	1,02	5,32	3,84	1,12	5,12	3,80	1,21	5,02	3,79	1,25	4,88	3,78	1,31	4,65	3,77	1,41
19,0	27	5,67	4,23	1,02	5,47	4,21	1,12	5,23	4,22	1,22	5,14	4,22	1,25	5,00	4,25	1,31	4,77	4,31	1,41
22,0	30	6,04	3,82	1,03	5,81	3,78	1,13	5,58	3,75	1,22	5,49	3,75	1,26	5,35	3,74	1,32	5,11	3,76	1,42
24,0	32	6,27	3,57	1,04	6,04	3,53	1,13	5,81	3,49	1,23	5,72	3,48	1,27	5,58	3,46	1,33	5,34	3,45	1,42

AFR	12,8

Heating ·50· Hz ·220 - 240· V

Indoor temperature	Outdoor temperature [°C WB]											
EDB	-15		-10		-5		0		7		10	
°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15,0	2,44	0,95	3,26	1,07	4,07	1,19	4,05	1,31	6,02	1,47	6,51	1,54
20,0	2,22	1,01	3,04	1,12	3,85	1,24	3,86	1,36	5,80	1,52	6,29	1,59
22,0	2,13	1,03	2,95	1,14	3,76	1,26	3,79	1,38	5,71	1,55	6,20	1,61
24,0	2,05	1,05	2,86	1,16	3,67	1,28	3,72	1,40	5,62	1,56	6,11	1,63
25,0	2,00	1,06	2,82	1,17	3,63	1,29	3,68	1,41	5,58	1,57	6,07	1,64
27,0	1,91	1,08	2,73	1,20	3,54	1,31	3,61	1,43	5,49	1,58	5,98	1,67

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. The bold cells indicate the standard conditions.
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.

4D134323B

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FVXM50A / RXM50A

Cooling 50Hz 220-240V

AFR	11,6
BF	0,11

Indoor		Outdoor temperature [°C DB]																	
EWB	EDB	20			25			30			32			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14	20	4,34	3,70	0,95	4,28	3,70	1,07	4,18	3,69	1,18	4,11	3,69	1,23	4,06	3,69	1,29	4,01	3,69	1,39
16	22	5,15	3,63	1,01	5,02	3,59	1,11	4,86	3,55	1,21	4,79	3,53	1,25	4,65	3,50	1,30	4,42	3,45	1,40
18	25	5,48	3,87	1,02	5,32	3,84	1,12	5,12	3,80	1,21	5,02	3,79	1,25	4,88	3,78	1,31	4,65	3,77	1,41
19	27	5,67	4,23	1,02	5,47	4,21	1,12	5,23	4,22	1,22	5,14	4,22	1,25	5,00	4,25	1,31	4,77	4,31	1,41
22	30	6,04	3,82	1,03	5,81	3,78	1,13	5,58	3,75	1,22	5,49	3,75	1,26	5,35	3,74	1,32	5,11	3,76	1,42
24	32	6,27	3,57	1,04	6,04	3,53	1,13	5,81	3,49	1,23	5,72	3,48	1,27	5,58	3,46	1,33	5,34	3,45	1,42

Heating 50Hz 220-240V

AFR	12,8

Indoor	Outdoor temperature [°C WB]											
EDB	-15		-10		-5		0		6		10	
°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15	2,44	0,95	3,26	1,07	4,07	1,19	4,05	1,31	6,02	1,47	6,51	1,54
20	2,22	1,01	3,04	1,12	3,85	1,24	3,86	1,36	5,80	1,52	6,29	1,59
22	2,13	1,03	2,95	1,14	3,76	1,26	3,79	1,38	5,71	1,55	6,20	1,61
24	2,05	1,05	2,86	1,16	3,67	1,28	3,72	1,40	5,62	1,56	6,11	1,63
25	2,00	1,06	2,82	1,17	3,63	1,29	3,68	1,41	5,58	1,57	6,07	1,64
27	1,91	1,08	2,73	1,20	3,54	1,31	3,61	1,43	5,49	1,58	5,98	1,67

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) The bold cells indicate the standard conditions.
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: 0m
6) The air flow rate and bypass factor are mentioned in the table.

4D134323D

FHA50A9 / RXM50A

Cooling ·50· Hz ·220 - 240· V

AFR	15,0
BF	0,18

Indoor temperature		Outdoor temperature [°C DB]																	
EWB	EDB	20			25			30			32			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14,0	20	5,05	3,73	1,18	4,89	3,65	1,31	4,66	3,53	1,43	4,56	3,49	1,47	4,42	3,42	1,54	4,19	3,30	1,66
16,0	22	5,35	3,70	1,20	5,12	3,59	1,32	4,89	3,48	1,43	4,79	3,44	1,48	4,65	3,37	1,55	4,42	3,27	1,66
18,0	25	5,58	3,87	1,21	5,35	3,77	1,32	5,12	3,66	1,44	5,02	3,62	1,49	4,88	3,56	1,55	4,65	3,47	1,67
19,0	27	5,70	4,08	1,21	5,47	3,98	1,33	5,23	3,88	1,44	5,14	3,84	1,49	5,00	3,78	1,56	4,77	3,69	1,67
22,0	30	6,04	3,93	1,22	5,81	3,84	1,34	5,58	3,75	1,45	5,49	3,72	1,50	5,35	3,67	1,57	5,11	3,58	1,68
24,0	32	6,27	3,82	1,23	6,04	3,74	1,34	5,81	3,66	1,46	5,72	3,63	1,51	5,58	3,59	1,58	5,34	3,51	1,69

AFR	15,0

Heating ·50· Hz ·220 - 240· V

Indoor temperature	Outdoor temperature [°C WB]											
EDB	-15		-10		-5		0		6		10	
°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15,0	2,79	1,44	3,35	1,51	3,91	1,59	4,48	1,66	6,21	1,75	6,75	1,81
20,0	2,62	1,48	3,18	1,56	3,74	1,63	4,31	1,70	6,00	1,79	6,54	1,85
22,0	2,55	1,50	3,11	1,57	3,67	1,64	4,24	1,72	5,92	1,81	6,46	1,87
24,0	2,48	1,51	3,04	1,59	3,61	1,66	4,17	1,73	5,83	1,82	6,38	1,88
25,0	2,45	1,52	3,01	1,60	3,57	1,67	4,13	1,74	5,79	1,83	6,33	1,89
27,0	2,38	1,54	2,94	1,61	3,50	1,69	4,06	1,76	5,71	1,85	6,25	1,91

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. On the figure the ·□· mark shows the rated capacity and rated coefficient of the power 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.

3D110087E

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FNA50A9 / RXM50A

Cooling ·50· Hz ·220 - 240· V

AFR	16,0
BF	0,12

Indoor temperature		Outdoor temperature [°C DB]																	
EWB	EDB	20			25			30			32			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14,0	20	5,12	3,94	1,13	4,89	3,83	1,24	4,66	3,71	1,35	4,56	3,67	1,40	4,42	3,60	1,46	4,19	3,49	1,57
16,0	22	5,35	3,87	1,14	5,12	3,77	1,25	4,89	3,66	1,36	4,79	3,62	1,40	4,65	3,56	1,47	4,42	3,45	1,58
18,0	25	5,58	4,08	1,15	5,35	3,98	1,26	5,12	3,88	1,37	5,02	3,84	1,41	4,88	3,78	1,48	4,65	3,69	1,59
19,0	27	5,70	4,32	1,15	5,47	4,22	1,26	5,23	4,13	1,37	5,14	4,09	1,41	5,00	4,04	1,48	4,77	3,94	1,59
22,0	30	6,04	4,17	1,16	5,81	4,09	1,27	5,58	4,00	1,38	5,49	3,97	1,42	5,35	3,92	1,49	5,11	3,84	1,60
24,0	32	6,27	4,07	1,17	6,04	3,99	1,28	5,81	3,92	1,39	5,72	3,89	1,43	5,58	3,84	1,50	5,34	3,77	1,60

Heating ·50· Hz ·220 - 240· V

AFR	16,0

Indoor temperature	Outdoor temperature [°C WB]											
EDB	-15		-10		-5		0		6		10	
°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15,0	2,70	1,40	3,24	1,47	3,78	1,54	4,33	1,61	6,00	1,70	6,52	1,75
20,0	2,53	1,44	3,07	1,51	3,62	1,58	4,16	1,65	5,80	1,74	6,32	1,79
22,0	2,46	1,45	3,01	1,52	3,55	1,59	4,10	1,67	5,72	1,75	6,24	1,81
24,0	2,40	1,47	2,94	1,54	3,49	1,61	4,03	1,68	5,64	1,77	6,16	1,83
25,0	2,36	1,48	2,91	1,55	3,45	1,62	4,00	1,69	5,60	1,78	6,12	1,83
27,0	2,30	1,49	2,84	1,56	3,39	1,63	3,93	1,71	5,52	1,79	6,04	1,85

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. On the figure the ·□· mark shows the rated capacity and rated coefficient of the power 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.

3D110091D

FBA60A9 / RXM60A

Cooling 50Hz, 220-240V

AFR	18,0
BF	0,15

Indoor temperature		Outdoor temperature [°C DB]																	
EWB	EDB	20			25			30			32			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14	20	5,84	4,42	1,26	5,57	4,28	1,38	5,31	4,16	1,50	5,20	4,10	1,55	5,04	4,03	1,62	4,78	3,90	1,74
16	22	6,10	4,34	1,26	5,84	4,22	1,38	5,57	4,09	1,51	5,47	4,05	1,55	5,31	3,97	1,63	5,04	3,86	1,75
18	25	6,36	4,56	1,27	6,10	4,44	1,39	5,83	4,33	1,51	5,73	4,29	1,56	5,57	4,22	1,63	5,30	4,11	1,76
19	27	6,50	4,82	1,27	6,23	4,71	1,40	5,97	4,60	1,52	5,86	4,56	1,57	5,70	4,49	1,64	5,43	4,39	1,76
22	30	6,89	4,65	1,29	6,62	4,55	1,41	6,36	4,46	1,53	6,25	4,42	1,58	6,09	4,36	1,65	5,83	4,27	1,77
24	32	7,15	4,53	1,29	6,89	4,44	1,41	6,62	4,36	1,54	6,52	4,32	1,58	6,36	4,27	1,66	6,09	4,18	1,78

Heating 50Hz, 220-240V

AFR	18,0

Indoor temperature	Outdoor temperature [°C WB]											
EDB	-15		-10		-5		0		6		10	
°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15	3,39	1,52	4,08	1,60	4,76	1,67	5,44	1,75	7,24	1,84	7,87	1,91
20	3,18	1,56	3,87	1,64	4,55	1,72	5,23	1,79	7,00	1,89	7,63	1,95
22	3,10	1,58	3,78	1,66	4,47	1,73	5,15	1,81	6,90	1,90	7,54	1,97
24	3,02	1,59	3,70	1,67	4,38	1,75	5,07	1,83	6,81	1,92	7,44	1,98
25	2,97	1,60	3,66	1,68	4,34	1,76	5,03	1,84	6,76	1,93	7,39	1,99
27	2,89	1,62	3,57	1,70	4,26	1,78	4,94	1,85	6,66	1,95	7,29	2,01

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. The bold cells indicate the standard conditions.
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: 0m
6. The air flow rate and bypass factor are mentioned in the table.

4D151962

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FCAG60B / RXM60A

Cooling 50Hz, 220-240V

AFR	13,6
BF	0,2

Indoor temperature		Outdoor temperature [°C DB]																	
EWB	EDB	20			25			30			32			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14	20	4,47	3,30	1,12	4,47	3,30	1,28	4,47	3,30	1,44	4,47	3,30	1,51	4,47	3,30	1,61	4,47	3,30	1,78
16	22	5,68	3,73	1,27	5,68	3,73	1,43	5,57	3,68	1,58	5,47	3,63	1,63	5,31	3,55	1,71	5,04	3,42	1,84
18	25	6,36	4,09	1,34	6,10	3,96	1,16	5,83	3,83	1,59	5,73	3,78	1,64	5,57	3,71	1,72	5,30	3,59	1,85
19	27	6,50	4,26	1,34	6,23	4,14	1,47	5,97	4,01	1,59	5,86	3,97	1,65	5,70	3,89	1,72	5,43	3,78	1,85
22	30	6,89	4,09	1,35	6,62	3,98	1,48	6,36	3,87	1,61	6,25	3,83	1,66	6,09	3,76	1,73	5,83	3,66	1,86
24	32	7,15	3,96	1,36	6,89	3,86	1,49	6,62	3,76	1,61	6,52	3,73	1,66	6,36	3,67	1,74	6,09	3,57	1,87

Heating 50Hz, 220-240V

AFR	13,6

Indoor temperature	Outdoor temperature [°C WB]											
EDB	-15		-10		-5		0		6		10	
°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15	3,39	1,67	4,08	1,75	4,76	1,84	5,44	1,92	7,24	2,02	7,87	2,09
20	3,18	1,71	3,87	1,80	4,55	1,88	5,23	1,97	7,00	2,07	7,63	2,14
22	3,10	1,73	3,78	1,82	4,47	1,90	5,15	1,99	6,90	2,09	7,54	2,16
24	3,02	1,75	3,70	1,84	4,38	1,92	5,07	2,01	6,81	2,11	7,38	2,18
25	2,97	1,76	3,66	1,84	4,34	1,93	5,03	2,02	6,76	2,12	7,13	2,19
27	2,89	1,78	3,57	1,86	4,26	1,95	4,94	2,03	6,64	2,14	6,64	2,20

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. The bold cells indicate the standard conditions.
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: 0m
6. The air flow rate and bypass factor are mentioned in the table.

4D151962

FDXM60F9 / RXM60A

Cooling 50Hz, 220-240V

AFR	16,0
BF	0,12

Indoor temperature		Outdoor temperature [°C DB]																	
EWB	EDB	20			25			30			32			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14	20	5,78	4,27	1,53	5,78	4,27	1,72	5,59	4,17	1,89	5,48	4,11	1,95	5,31	4,03	2,03	4,37	3,58	2,01
16	22	6,42	4,38	1,59	6,14	4,24	1,74	5,86	4,11	1,90	5,75	4,06	1,96	5,59	3,98	2,04	4,59	3,53	2,01
18	25	6,70	4,57	1,60	6,42	4,44	1,75	6,14	4,32	1,91	6,03	4,27	1,97	5,86	4,20	2,05	4,81	3,75	2,01
19	27	6,84	4,80	1,60	6,56	4,68	1,76	6,28	4,56	1,91	6,17	4,51	1,97	6,00	4,44	2,05	4,92	4,00	2,01
22	30	7,25	4,62	1,62	6,97	4,52	1,77	6,69	4,41	1,92	6,58	4,37	1,98	6,41	4,31	2,07	5,24	3,89	2,01
24	32	7,53	4,50	1,63	7,25	4,40	1,78	6,97	4,30	1,93	6,86	4,26	1,99	6,69	4,21	2,07	5,46	3,80	2,01

Heating 50Hz, 220-240V

AFR	16,0

Indoor temperature	Outdoor temperature [°C WB]											
EDB	-15		-10		-5		0		6		10	
°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15	3,39	1,75	4,08	1,84	4,76	1,93	5,44	2,02	7,24	2,13	7,87	2,20
20	3,18	1,80	3,87	1,89	4,55	1,98	5,23	2,07	7,00	2,18	7,63	2,25
22	3,10	1,82	3,78	1,91	4,47	2,00	5,15	2,09	6,90	2,20	7,54	2,27
24	3,02	1,84	3,70	1,93	4,38	2,02	5,07	2,11	6,81	2,22	7,44	2,29
25	2,97	1,85	3,66	1,94	4,34	2,03	5,03	2,12	6,76	2,23	7,39	2,30
27	2,89	1,87	3,57	1,96	4,26	2,05	4,94	2,14	6,66	2,25	7,29	2,32

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. The bold cells indicate the standard conditions.
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: 0m
6. The air flow rate and bypass factor are mentioned in the table.

4D151962

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FFA60A9 / RXM60A

Cooling 50Hz, 220-240V

AFR	19,5
BF	0,2

Indoor temperature		Outdoor temperature [°C DB]																	
EWB	EDB	20			25			30			32			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14	20	5,84	4,45	1,33	5,57	4,32	1,46	5,31	4,19	1,59	5,20	4,13	1,64	5,04	4,06	1,71	4,78	3,93	1,84
16	22	6,10	4,37	1,34	5,84	4,25	1,47	5,57	4,13	1,59	5,47	4,08	1,64	5,31	4,01	1,72	5,04	3,89	1,85
18	25	6,36	4,59	1,34	6,10	4,48	1,47	5,83	4,37	1,60	5,73	4,32	1,65	5,57	4,26	1,73	5,30	4,15	1,86
19	27	6,50	4,86	1,35	6,23	4,75	1,48	5,97	4,64	1,60	5,86	4,60	1,66	5,70	4,54	1,73	5,43	4,43	1,86
22	30	6,89	4,69	1,36	6,62	4,60	1,49	6,36	4,50	1,62	6,25	4,46	1,67	6,09	4,41	1,74	5,83	4,31	1,87
24	32	7,15	4,57	1,37	6,89	4,49	1,50	6,62	4,40	1,62	6,52	4,36	1,68	6,36	4,31	1,75	6,09	4,23	1,88

Heating 50Hz, 220-240V

AFR	19,5

Indoor temperature	Outdoor temperature [°C WB]											
EDB	-15		-10		-5		0		6		10	
°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15	3,49	1,74	4,19	1,83	4,90	1,92	5,60	2,01	7,45	2,12	8,10	2,19
20	3,27	1,79	3,98	1,88	4,68	1,97	5,38	2,06	7,20	2,17	7,85	2,24
22	3,19	1,81	3,89	1,90	4,59	1,99	5,30	2,08	7,10	2,19	7,75	2,26
24	3,10	1,83	3,81	1,92	4,51	2,01	5,21	2,10	7,00	2,21	7,65	2,28
25	3,06	1,84	3,76	1,93	4,47	2,02	5,17	2,11	6,95	2,22	7,60	2,29
27	2,97	1,86	3,68	1,95	4,38	2,04	5,08	2,13	6,85	2,24	7,50	2,31

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. The bold cells indicate the standard conditions.
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: 0m
6. The air flow rate and bypass factor are mentioned in the table.

4D151962

FHA60A9 / RXM60A

Cooling 50Hz, 220-240V

AFR	14,5
BF	0,11

Indoor temperature		Outdoor temperature [°C DB]																	
EWB	EDB	20			25			30			32			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14	20	5,30	3,91	1,36	5,30	3,91	1,53	5,30	3,91	1,71	5,20	3,86	1,77	5,04	3,78	1,85	4,78	3,65	1,99
16	22	6,10	4,12	1,44	5,84	3,99	1,58	5,57	3,86	1,72	5,47	3,81	1,77	5,31	3,73	1,86	5,04	3,61	1,99
18	25	6,36	4,29	1,45	6,10	4,17	1,59	5,83	4,05	1,73	5,73	4,00	1,78	5,57	3,93	1,86	5,30	3,82	2,00
19	27	6,50	4,50	1,45	6,23	4,38	1,59	5,97	4,27	1,73	5,86	4,22	1,79	5,70	4,16	1,87	5,43	4,05	2,01
22	30	6,89	4,33	1,47	6,62	4,23	1,61	6,36	4,13	1,74	6,25	4,09	1,80	6,09	4,03	1,88	5,78	3,91	2,01
24	32	7,15	4,21	1,48	6,89	4,12	1,61	6,62	4,02	1,75	6,52	3,99	1,81	6,36	3,93	1,89	6,01	3,82	2,01

Heating 50Hz, 220-240V

AFR	14,5

Indoor temperature	Outdoor temperature [°C WB]											
EDB	-15		-10		-5		0		6		10	
°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15	3,39	1,65	4,08	1,74	4,76	1,82	5,44	1,91	7,24	2,01	7,87	2,07
20	3,18	1,70	3,87	1,78	4,55	1,87	5,23	1,95	7,00	2,05	7,63	2,12
22	3,10	1,72	3,78	1,80	4,47	1,89	5,15	1,97	6,90	2,07	7,54	2,14
24	3,02	1,73	3,70	1,82	4,38	1,90	5,07	1,99	6,81	2,09	7,44	2,16
25	2,97	1,74	3,66	1,83	4,34	1,91	5,03	2,00	6,76	2,10	7,39	2,17
27	2,89	1,76	3,57	1,85	4,26	1,93	4,94	2,02	6,66	2,12	7,29	2,19

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. The bold cells indicate the standard conditions.
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: 0m
6. The air flow rate and bypass factor are mentioned in the table.

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4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FNA60A9 / RXM60A

AFR	16,0
BF	0,12

Cooling 50Hz, 220-240V

Indoor temperature		Outdoor temperature [°C DB]																	
EWB	EDB	20			25			30			32			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14	20	5,78	4,27	1,66	5,78	4,27	1,86	5,59	4,17	2,03	5,48	4,11	2,10	5,31	4,03	2,20	3,82	3,32	2,01
16	22	6,42	4,38	1,71	6,14	4,24	1,88	5,86	4,11	2,04	5,75	4,06	2,11	5,59	3,98	2,21	4,02	3,28	2,01
18	25	6,70	4,57	1,72	6,42	4,44	1,89	6,14	4,32	2,05	6,03	4,27	2,12	5,86	4,20	2,22	4,22	3,51	2,01
19	27	6,84	4,80	1,73	6,56	4,68	1,89	6,28	4,56	2,06	6,17	4,51	2,12	6,00	4,44	2,22	4,32	3,77	2,01
22	30	7,25	4,62	1,74	6,97	4,52	1,91	6,69	4,41	2,07	6,58	4,37	2,14	6,41	4,31	2,24	4,62	3,67	2,01
24	32	7,53	4,50	1,75	7,25	4,40	1,92	6,97	4,30	2,08	6,86	4,26	2,15	6,69	4,21	2,25	4,82	3,60	2,01

AFR	16,0

Heating 50Hz, 220-240V

Indoor temperature	Outdoor temperature [°C WB]											
EDB	-15		-10		-5		0		6		10	
°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15	3,39	1,81	4,08	1,90	4,76	2,00	5,44	2,09	7,24	2,20	7,87	2,27
20	3,18	1,86	3,87	1,95	4,55	2,05	5,23	2,14	7,00	2,25	7,63	2,32
22	3,10	1,88	3,78	1,97	4,47	2,07	5,15	2,16	6,90	2,27	7,54	2,35
24	3,02	1,90	3,70	1,99	4,38	2,09	5,07	2,18	6,81	2,29	7,44	2,37
25	2,97	1,91	3,66	2,00	4,34	2,10	5,03	2,19	6,76	2,30	7,39	2,38
27	2,89	1,93	3,57	2,03	4,26	2,12	4,94	2,21	6,66	2,32	7,29	2,40

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. The bold cells indicate the standard conditions.
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: 0m
6. The air flow rate and bypass factor are mentioned in the table.

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FTXM60A / RXM60A

AFR	15,6
BF	0,23

Cooling 50Hz, 220-240V

Indoor temperature		Outdoor temperature [°C DB]																	
EWB	EDB	20			25			30			32			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14	20	6,15	4,26	1,36	5,87	4,12	1,49	5,59	3,99	1,62	5,48	3,94	1,67	5,31	3,87	1,75	5,03	3,76	1,88
16	22	6,42	4,11	1,37	6,14	3,97	1,50	5,86	3,84	1,63	5,75	3,79	1,68	5,59	3,72	1,76	5,31	3,60	1,89
18	25	6,70	4,23	1,37	6,42	4,10	1,50	6,14	3,99	1,64	6,03	3,95	1,69	5,86	3,89	1,77	5,58	3,79	1,90
19	27	6,84	4,43	1,38	6,56	4,33	1,51	6,28	4,23	1,64	6,17	4,20	1,69	6,00	4,15	1,77	5,72	4,08	1,90
22	30	7,25	4,11	1,39	6,97	4,00	1,52	6,69	3,90	1,65	6,58	3,87	1,70	6,41	3,81	1,78	6,14	3,73	1,91
24	32	7,53	3,91	1,40	7,25	3,80	1,53	6,97	3,70	1,66	6,86	3,66	1,71	6,69	3,60	1,79	6,41	3,52	1,92

AFR	15,9

Heating 50Hz, 220-240V

Indoor temperature	Outdoor temperature [°C WB]											
EDB	-15		-10		-5		0		7		10	
°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15	3,33	1,24	4,01	1,31	4,68	1,38	5,04	1,81	7,24	1,90	7,87	1,97
20	3,13	1,29	3,80	1,35	4,48	1,41	4,87	1,85	7,00	1,94	7,63	2,01
22	3,04	1,30	3,72	1,37	4,39	1,43	4,80	1,86	6,90	1,95	7,53	2,02
24	2,97	1,31	3,63	1,38	4,31	1,45	4,73	1,87	6,81	1,98	7,43	2,03
25	2,92	1,33	3,60	1,38	4,27	1,45	4,69	1,89	6,76	1,98	7,39	2,05
27	2,84	1,34	3,51	1,39	4,19	1,46	4,62	1,90	6,66	2,01	7,29	2,06

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

Indoor air temperature	Outdoor temperature [°C WB]											
	-15		-10		-5		0		6		10	
[°C DB]	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
20	4,60	1,71	5,41	1,93	5,16	2,14	5,83	2,35	8,00	2,61	8,65	2,78

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. The bold cells indicate the standard conditions.
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: 0m
6. The air flow rate and bypass factor are mentioned in the table.

4D151962

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FTXM71R / RXM71A

4

Cooling 50Hz 220-240V

AFR	15,95
BF	0,06

Indoor		Outdoor temperature [°C DB]																	
EWB	EDB	20			25			30			32			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14	20	7,27	5,06	1,80	6,94	4,90	1,97	6,61	4,74	2,14	6,48	4,69	2,21	6,28	4,61	2,32	5,95	4,48	2,49
16	22	7,60	4,88	1,81	7,27	4,72	1,98	6,94	4,57	2,15	6,81	4,51	2,22	6,61	4,42	2,33	6,28	4,29	2,50
18	25	7,93	5,02	1,82	7,60	4,88	1,99	7,27	4,75	2,16	7,13	4,70	2,23	6,94	4,63	2,34	6,61	4,52	2,51
19	27	8,09	5,28	1,82	7,76	5,16	2,00	7,43	5,05	2,17	7,30	5,01	2,24	7,10	4,95	2,34	6,77	4,88	2,52
22	30	8,58	4,89	1,84	8,25	4,76	2,01	7,92	4,65	2,19	7,79	4,60	2,25	7,59	4,54	2,36	7,26	4,45	2,53
24	32	8,91	4,64	1,85	8,58	4,52	2,02	8,25	4,40	2,20	8,12	4,35	2,27	7,92	4,29	2,37	7,59	4,19	2,54

Heating 50Hz 220-240V

AFR	17,35

Indoor	Outdoor temperature [°C WB]											
EDB	-15		-10		-5		0		7		10	
°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15	4,59	1,77	5,52	1,85	6,45	1,92	6,63	2,00	8,50	2,53	9,22	2,60
20	4,31	1,81	5,24	1,88	6,16	1,95	6,38	2,07	8,20	2,57	8,94	2,64
22	4,20	1,83	5,12	1,90	6,05	1,98	6,28	2,08	8,09	2,60	8,83	2,67
24	4,08	1,84	5,01	1,92	5,94	1,99	6,17	2,11	7,97	2,61	8,71	2,68
25	4,03	1,85	4,95	1,93	5,88	2,01	6,13	2,12	7,92	2,63	8,66	2,70
27	3,91	1,86	4,84	1,94	5,77	2,01	6,02	2,14	7,80	2,64	8,54	2,71

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) The bold cells indicate the standard conditions.
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: 0m
6) The air flow rate and bypass factor are mentioned in the table.

3D131703A

FTXM71A / RXM71A

Cooling 50Hz, 220 -240V

AFR	15,8
BF	0,15

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	7,27	5,06	1,80	6,94	4,90	1,97	6,61	4,74	2,14	6,48	4,69	2,21	6,28	4,61	2,32	5,95	4,48	2,49
16	22	7,60	4,88	1,81	7,27	4,72	1,98	6,94	4,57	2,15	6,81	4,51	2,22	6,61	4,42	2,33	6,28	4,29	2,50
18	25	7,93	5,02	1,82	7,60	4,88	1,99	7,27	4,75	2,16	7,13	4,70	2,23	6,94	4,63	2,34	6,61	4,52	2,51
19	27	8,09	5,28	1,82	7,76	5,16	2,00	7,43	5,05	2,17	7,30	5,01	2,24	7,10	4,95	2,34	6,77	4,88	2,52
22	30	8,58	4,89	1,84	8,25	4,76	2,01	7,92	4,65	2,19	7,79	4,60	2,25	7,59	4,54	2,36	7,26	4,45	2,53
24	32	8,91	4,64	1,85	8,58	4,52	2,02	8,25	4,40	2,20	8,12	4,35	2,27	7,92	4,29	2,37	7,59	4,19	2,54

Heating 50Hz, 220 -240V

AFR	17,3

Indoor air temperature	Outdoor temperature [°C WB]											
	-15		-10		-5		0		6		10	
[°C DB]	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15	4,59	1,77	5,52	1,85	6,45	1,92	6,63	2,00	8,50	2,53	9,22	2,60
20	4,31	1,81	5,24	1,88	6,16	1,95	6,38	2,07	8,20	2,57	8,94	2,64
22	4,20	1,83	5,12	1,90	6,05	1,98	6,28	2,08	8,09	2,60	8,83	2,67
24	4,08	1,84	5,01	1,92	5,94	1,99	6,17	2,11	7,97	2,61	8,71	2,68
25	4,03	1,85	4,95	1,93	5,88	2,01	6,13	2,12	7,92	2,63	8,66	2,70
27	3,91	1,86	4,84	1,94	5,77	2,01	6,02	2,14	7,80	2,64	8,54	2,71

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

Indoor air temperature	Outdoor temperature [°C WB]											
	-15		-10		-5		0		6		10	
[°C DB]	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
20	5,56	2,28	6,67	2,61	6,45	2,94	7,36	3,28	10,20	3,67	10,50	3,41

Heating peak capacity at maximum operating frequency

Symbols
- AFR: Air flow rate [m³/min]
- BF: Bypass factor
- °C WB: Wet-bulb temperature [°C WB]
- °C DB: Dry-bulb temperature [°C DB]
- TC: Total capacity [kW]
- SHC: Sensible heat capacity [kW]
- PI: Power input [kW]

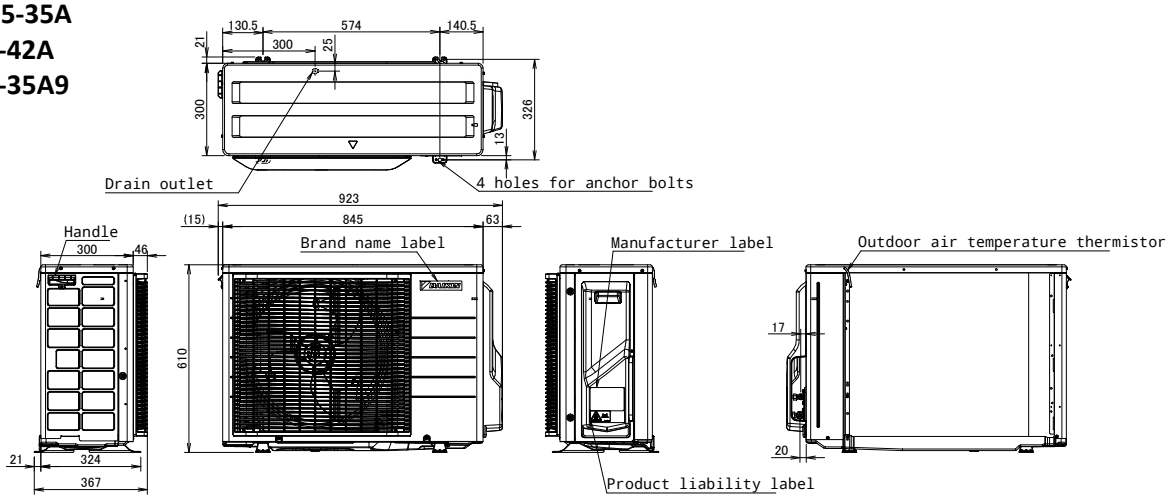
Notes
1. The ratings shown are net capacities which include a deduction for indoor fan motor heat.
2. The bold cells indicate the standard conditions.
3. The total capacity, power input and sensible heat capacity must be calculated by interpolation, using the figures in the table (figures not in the 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: 0m
6. The air flow rate and bypass factor are mentioned in the table.

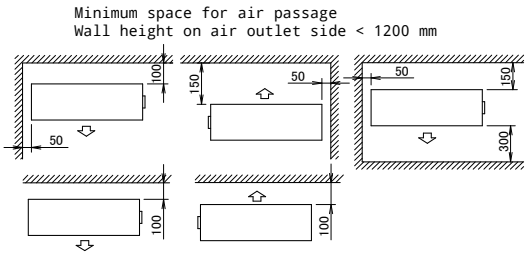
4D151960

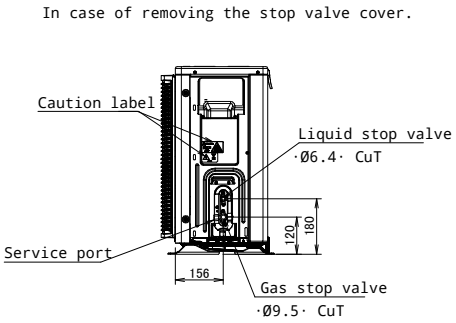
5 Dimensional drawings

5 - 1 Dimensional Drawings

ARXM25-35A
RXM20-42A
RXM25-35A9

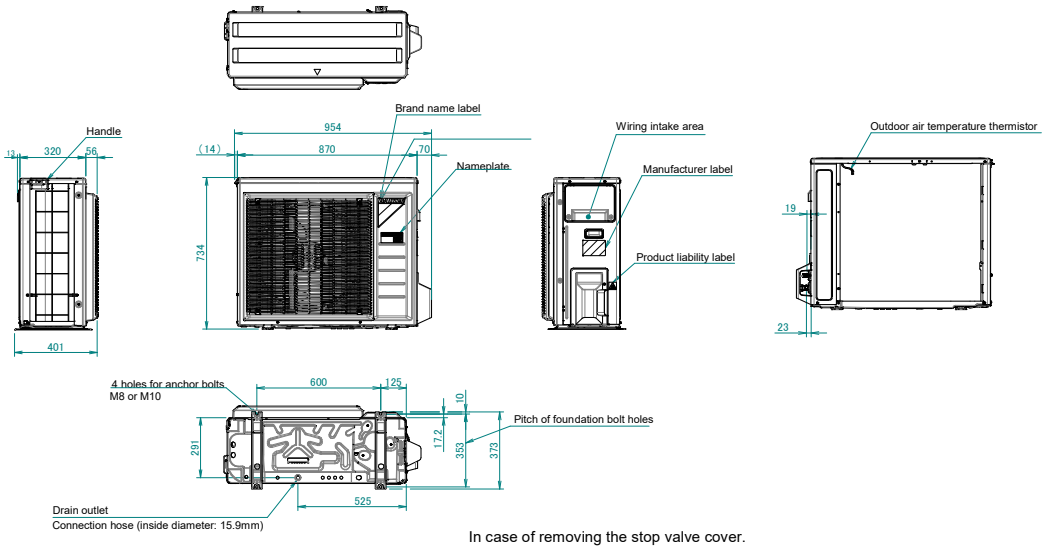






3D147631A

ARXM50A
RXM50A



In case of removing the stop valve cover.

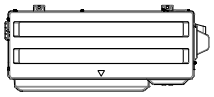
3D148264A

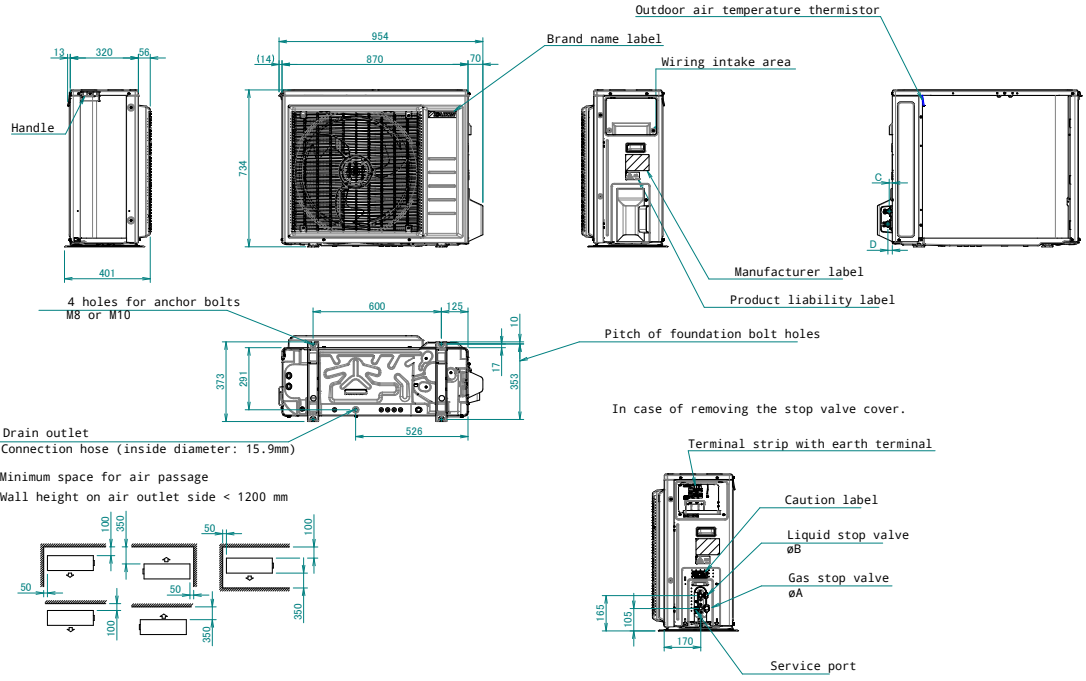
5 Dimensional drawings

5 - 1 Dimensional Drawings

ARXM50A9
ARXM60-70A
RXM50A9
RXM60-71A

Model	øA	øB	C	D
RXM50A5V1B9	12.7	6.4	19	20
RXM60A5V1B	12.7	6.4	19	20
RXM71A5V1B	15.9	6.4	19	22
ARXM50A5V1B9	12.7	6.4	19	20
ARXM60A5V1B	12.7	6.4	19	20
ARXM71A5V1B	15.9	9.5	18	22



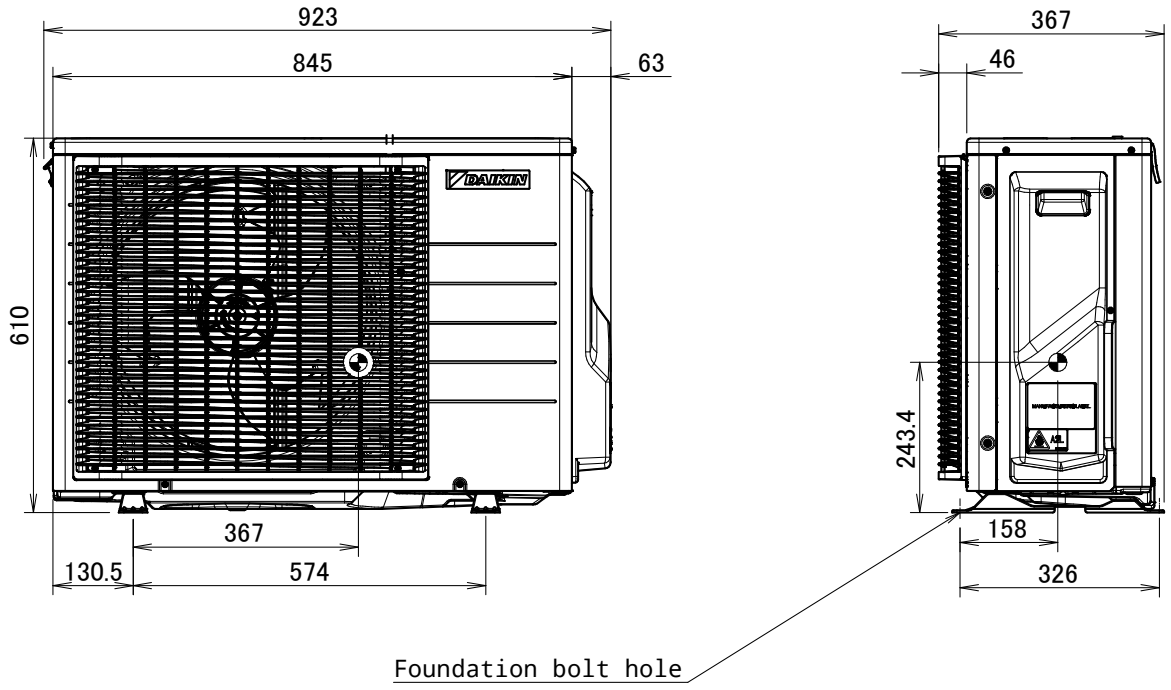


3D151868

6 Centre of gravity

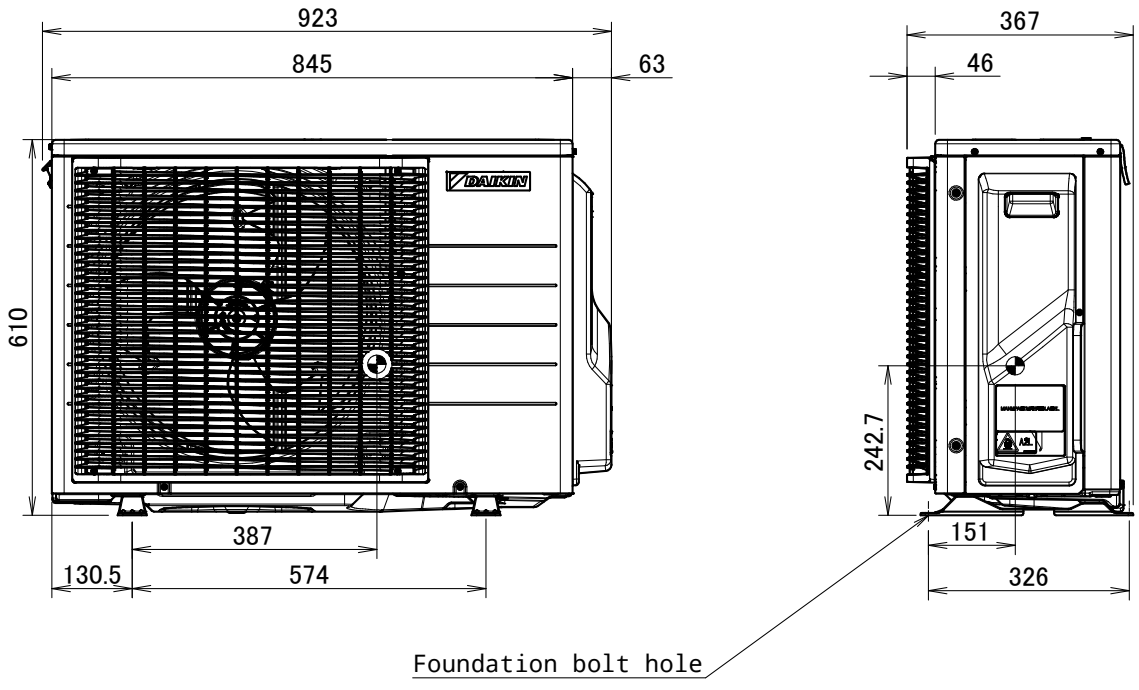
6 - 1 Centre of Gravity

ARXM25-35A
RXM20-35A
RXM20-35A9



4D148194

RXM42A

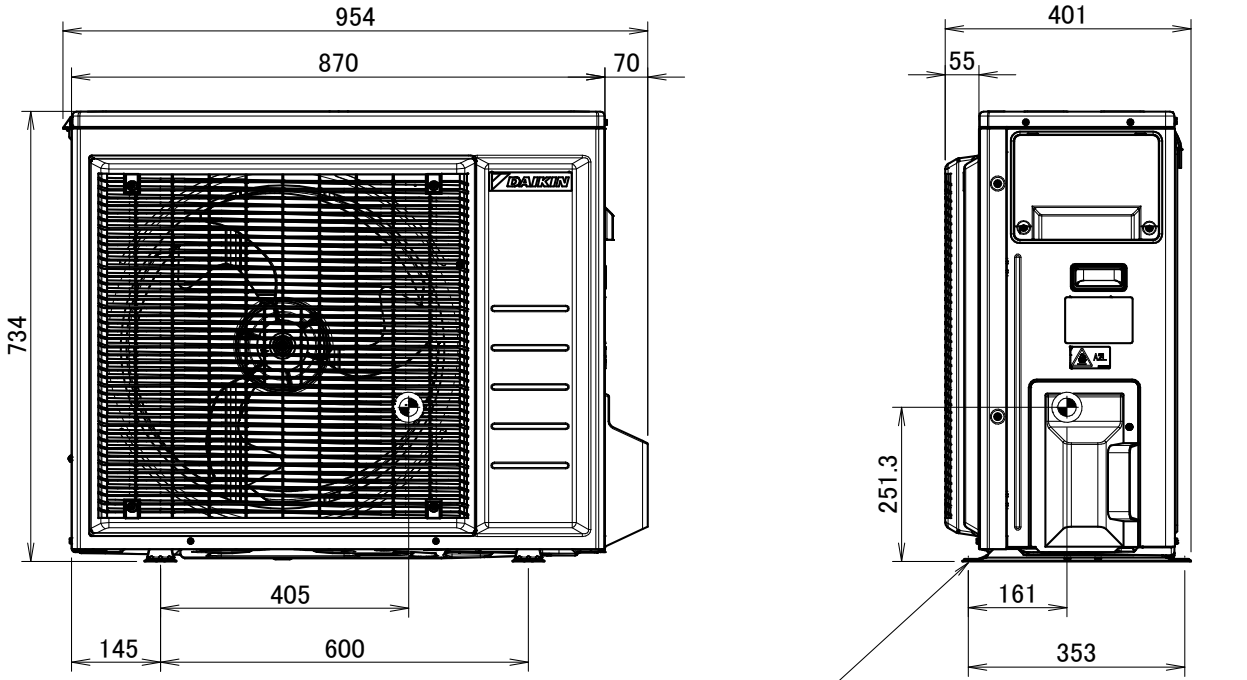


4D148193

6 Centre of gravity

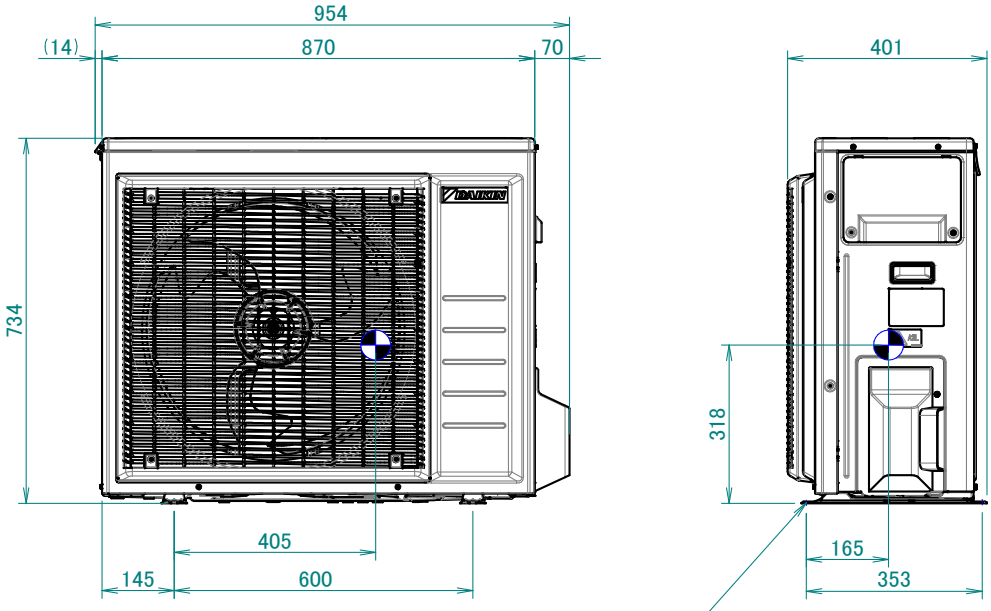
6 - 1 Centre of Gravity

ARXM50A
RXM50A



4D148199

ARXM50A9
ARXM60-70A
RXM50A9
RXM60A

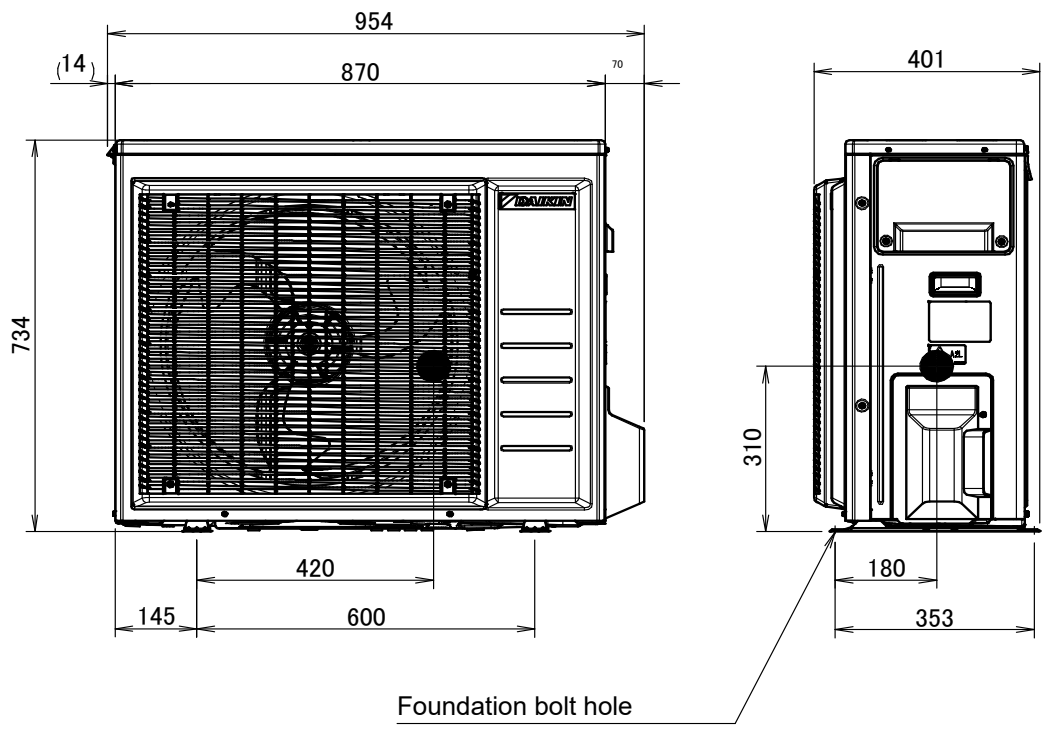


4D151950

6 Centre of gravity

6 - 1 Centre of Gravity

RXM71A

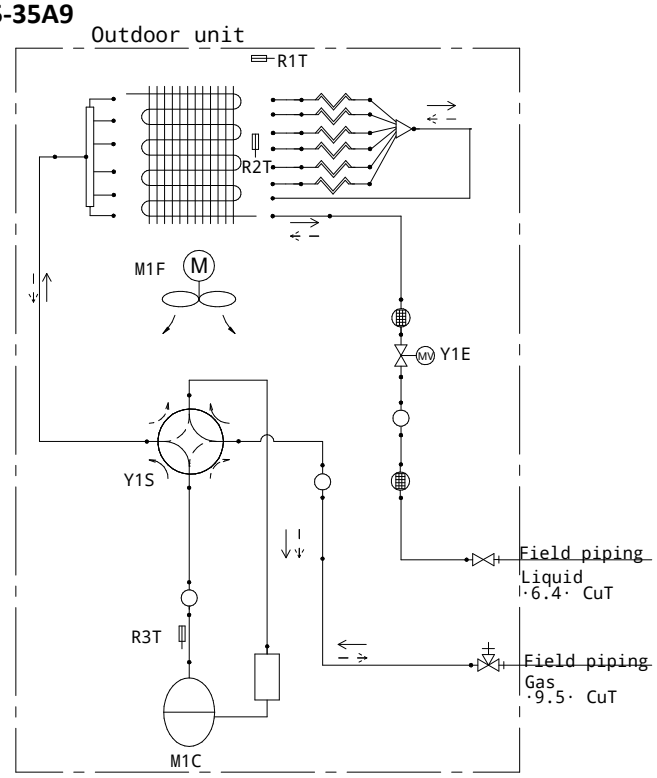


4D151953

7 Piping diagrams

7 - 1 Piping Diagrams

ARXM25-35A
RXM20-35A
RXM25-35A9



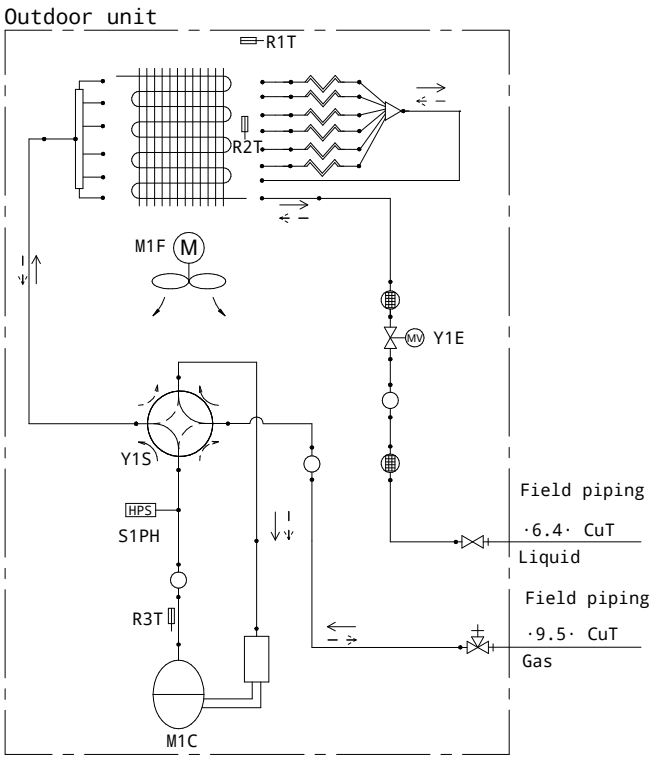
Legend

- Liquid stop valve
- Gas stop valve
- Muffler
- Muffler with filter
- Electronic expansion valve
- Refnet header
- Propeller fan
- Thermistor
- Capillary tube
- 4-way valve
- Accumulator
- Compressor
- Heat exchanger
- Distributor

Refrigerant flow
→ Cooling
– – Heating

3D147593

RXM42A



Legend

- High pressure switch
- Liquid stop valve
- Gas stop valve
- Muffler
- Muffler with filter
- Electronic expansion valve
- Refnet header
- Propeller fan
- Thermistor
- Capillary tube
- 4-way valve
- Accumulator
- Compressor
- Heat exchanger
- Distributor

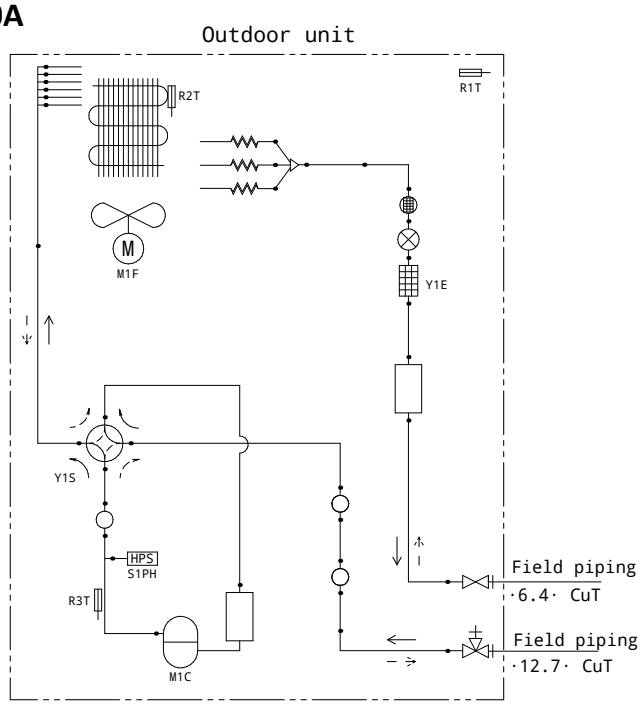
Refrigerant flow
→ Cooling
– – Heating

3D147621

7 Piping diagrams

7 - 1 Piping Diagrams

ARXM50A
RXM50A



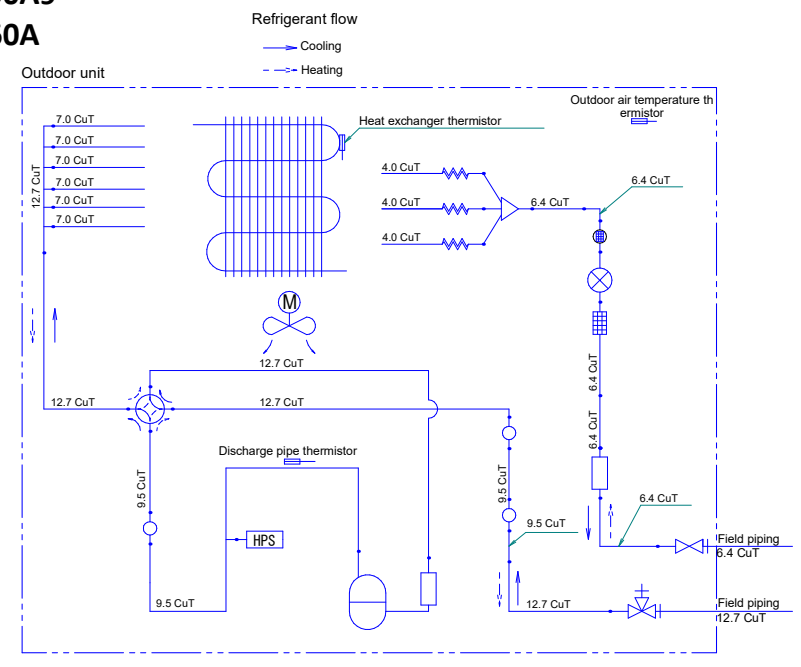
Legend

- Liquid stop valve
- Gas stop valve
- Muffler
- Muffler with filter
- Electronic expansion valve
- Filter
- Propeller fan
- High pressure switch Automatic reset
- Thermistor
- Capillary tube
- 4-way valve
- Accumulator
- Compressor
- Heat exchanger
- Distributor

Refrigerant flow
→ Cooling
– ÷ Heating

3D128943A

ARXM50A9
ARXM60A
RXM50A9
RXM60A



Legend

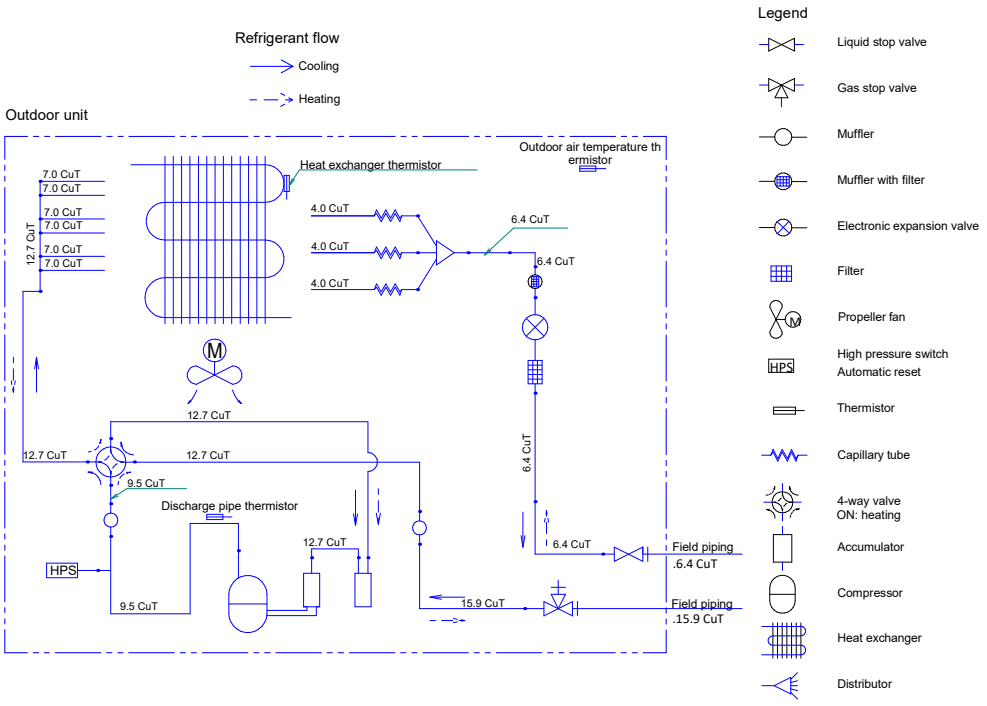
- Liquid stop valve
- Gas stop valve
- Muffler
- Muffler with filter
- Electronic expansion valve
- Filter
- Propeller fan
- High pressure switch Automatic reset
- Thermistor
- Capillary tube
- 4-way valve ON: heating
- Accumulator
- Compressor
- Heat exchanger
- Distributor

3D151341

7 Piping diagrams

7 - 1 Piping Diagrams

RXM71A



3D151225

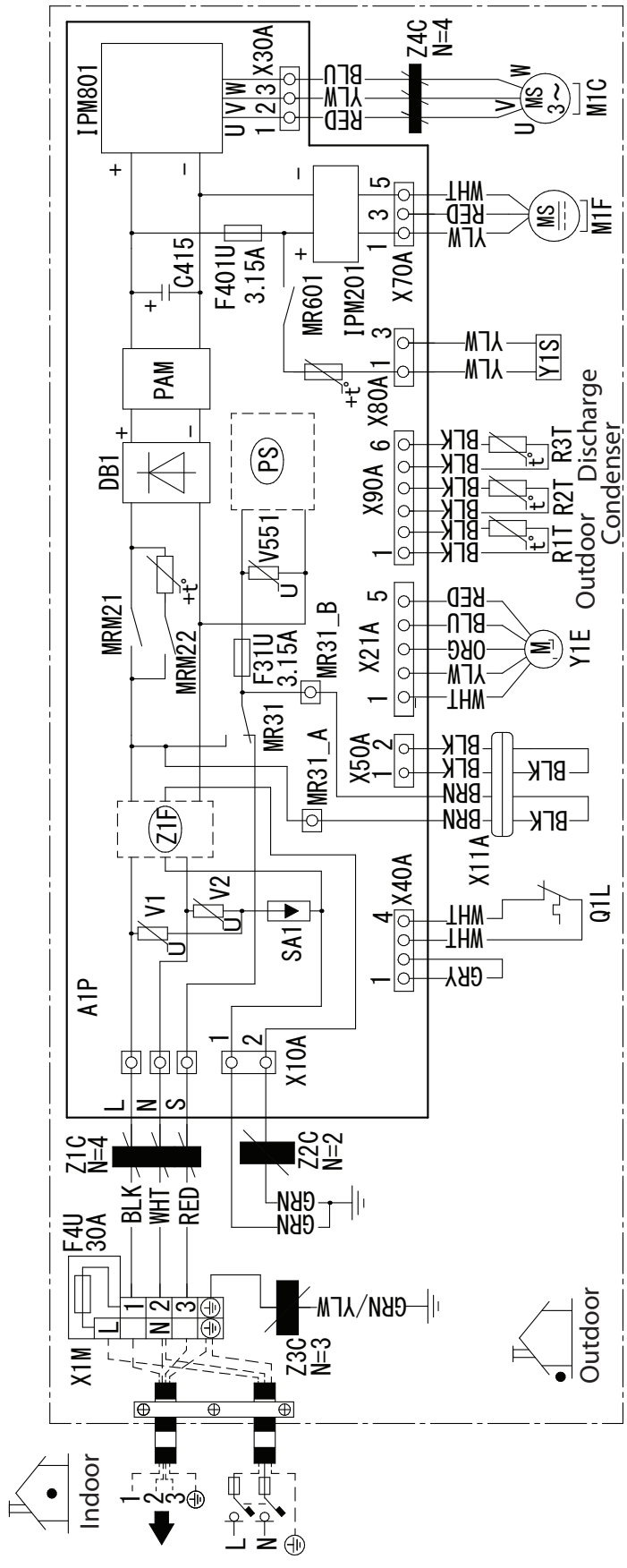
8 Wiring diagrams

8 - 1 Wiring Diagrams - Single Phase

ARXM25-35A
RXM20-35A

Wiring diagram

For the power requirements, refer to the nameplate



A1P	Printed circuit board
C415	Capacitor
DB1	Diode bridge
IPM201, IPM801	Intelligent power module
L	Live
M1C	Compressor motor
M1F	Fan motor
N	Neutral
PAM	Pulse-amplitude modulation
PS	Switching power supply
Q1L	Overload protector
SA1	Surge arrestor
X1M	Terminal strip
Y1E	Electronic expansion valve coil
Y1S	Reversing solenoid valve coil
F4U, F31U, F401U	Fuse
MRM21, MRM22, MR31, MR601,	Magnetic relay
R1T, R2T, R3T	Thermistor
X10A, X11A, X21A, X30A, X40A, X50A, X70A, X80A, X90A	Connector
V1, V2, V551	Varistor
Z1C, Z2C, Z3C, Z4C	Ferrite core
S, MR31_A, MR31_B	Connection
Z1F	Noise filter

BLK : Black
WHT : White
BRN : Brown
RED : Red
GRN : Green
YLW : Yellow
ORG : Orange
BLU : Blue
GRY : Grey
⏚ : Protective earth
⏚ : Earth

: Field wiring

4D147369

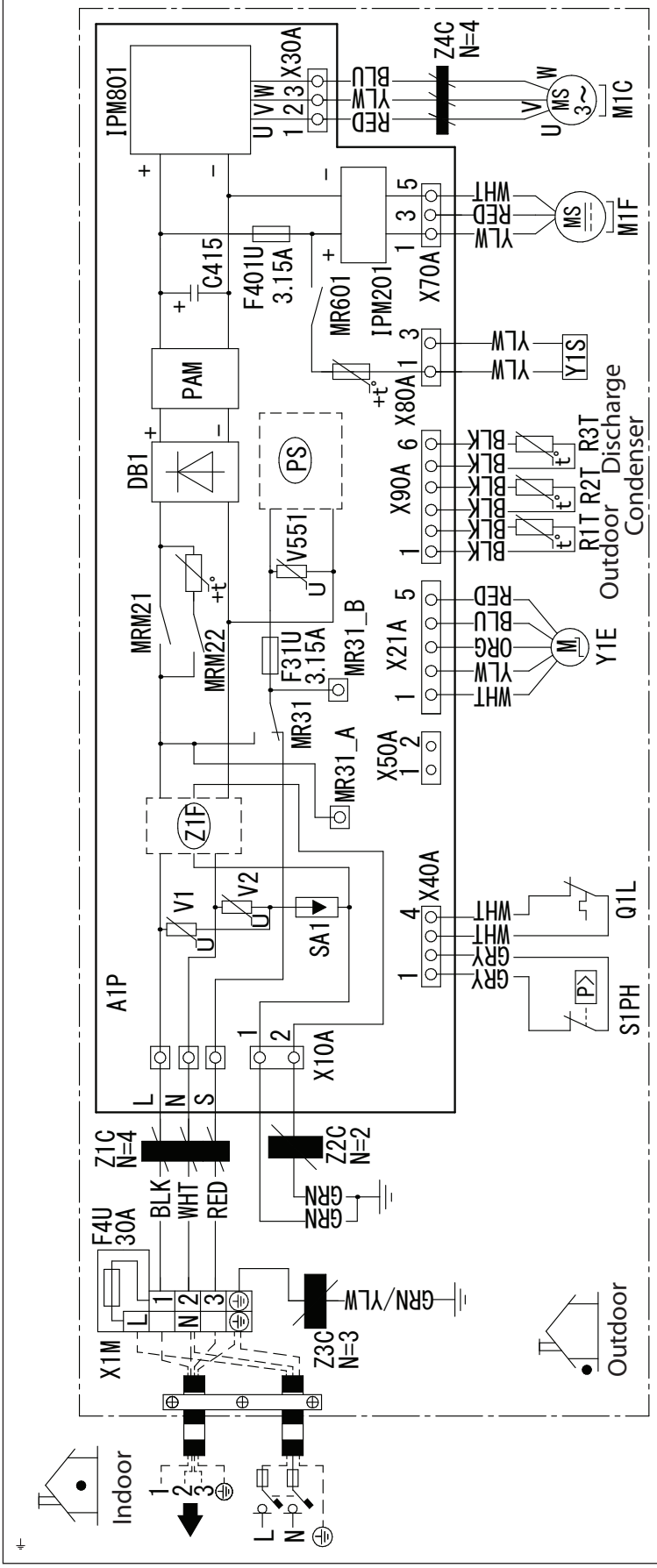
8 Wiring diagrams

8 - 1 Wiring Diagrams - Single Phase

RXM42A

Wiring diagram

For the power requirements, refer to the nameplate



A1P	Printed circuit board
C415	Capacitor
DB1	Diode bridge
IPM201, IPM801	Intelligent power module
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
SA1	Surge arrestor
X1M	Terminal strip
Y1E	Electronic expansion valve coil
Y1S	Reversing solenoid valve coil
F4U, F31U, F401U	Fuse
MRM21, MRM22, MR31, MR601,	Magnetic relay
R1T, R2T, R3T	Thermistor
X10A, X21A, X30A, X40A, X50A, X70A, X80A, X90A	Connector
V1, V2, V551	Varistor
Z1C, Z2C, Z3C, Z4C	Ferrite core
S, MR31_A, MR31_B	Connection
Z1F	Noise filter

BLK : Black
WHT : White
BRN : Brown
RED : Red
GRN : Green
YLW : Yellow
ORG : Orange
BLU : Blue
GRY : Grey
⏚ : Protective earth
⏚ : Earth

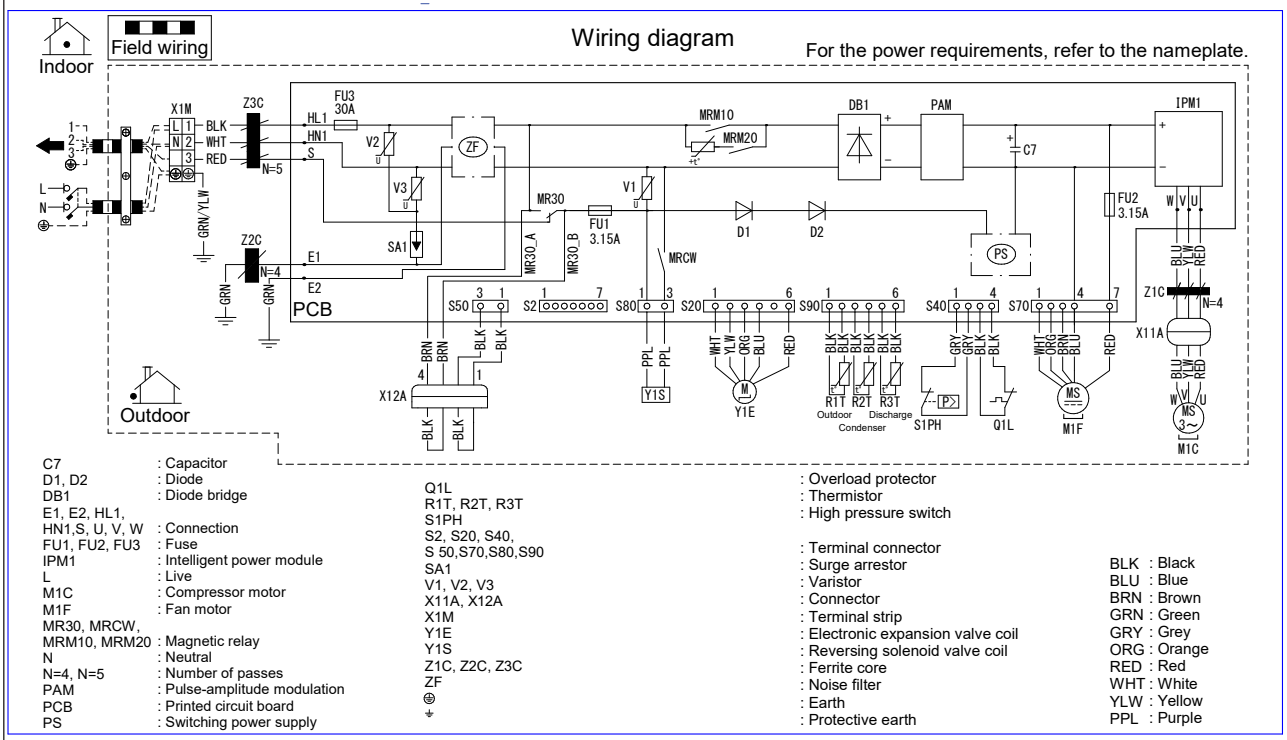
: Field wiring

4D147370B

8 Wiring diagrams

8 - 1 Wiring Diagrams - Single Phase

RXM50A

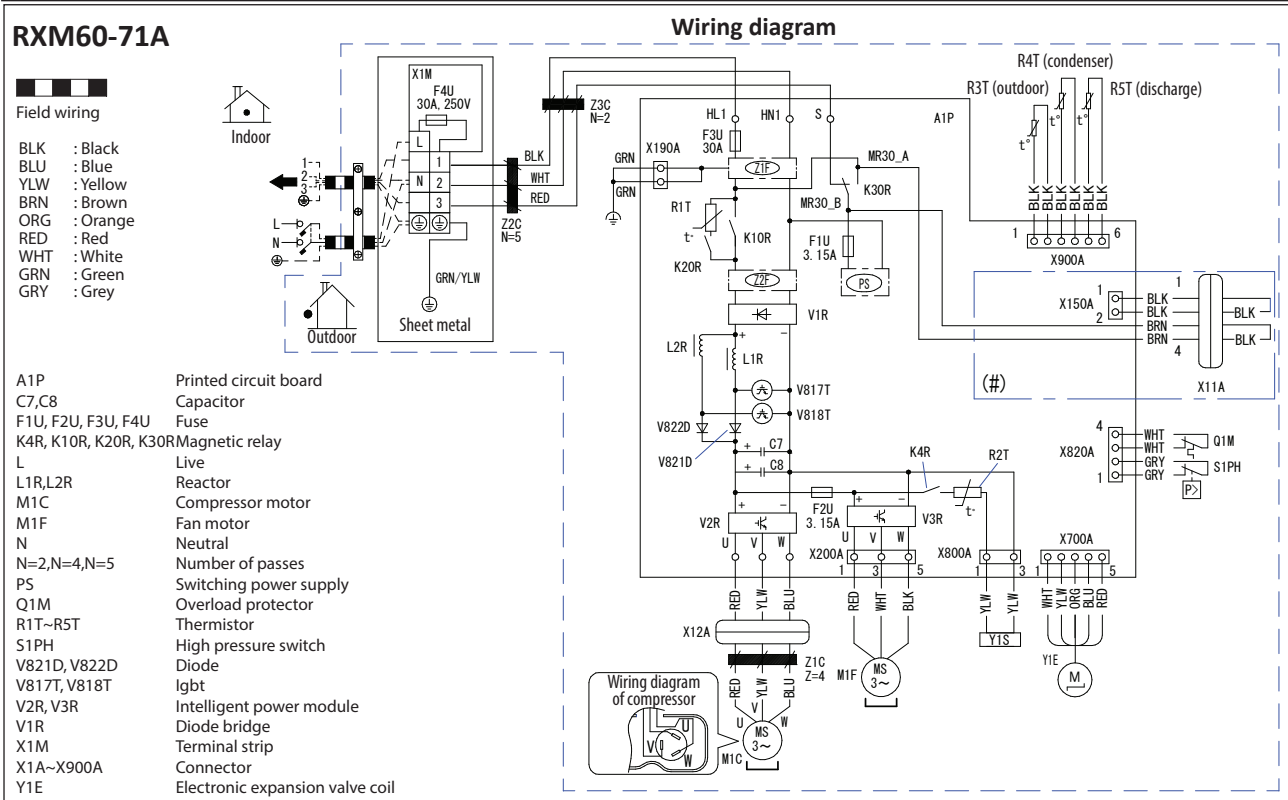


C7	: Capacitor
D1, D2	: Diode
DB1	: Diode bridge
E1, E2, HL1, HN1,S, U, V, W	: Connection
FU1, FU2, FU3	: Fuse
IPM1	: Intelligent power module
L	: Live
M1C	: Compressor motor
M1F	: Fan motor
MR30, MRCW, MRM10, MRM20	: Magnetic relay
N	: Neutral
N=4, N=5	: Number of passes
PAM	: Pulse-amplitude modulation
PCB	: Printed circuit board
PS	: Switching power supply
Q1L	: Overload protector
R1T, R2T, R3T	: Thermistor
S1PH	: High pressure switch
S2, S20, S40, S 50,S70,S80,S90	: Terminal connector
SA1	: Surge arrestor
V1, V2, V3	: Varistor
X11A, X12A	: Connector
X1M	: Terminal strip
Y1E	: Electronic expansion valve coil
Y1S	: Reversing solenoid valve coil
Z1C, Z2C, Z3C	: Ferrite core
ZF	: Noise filter
⏚	: Earth
	: Protective earth

BLK	: Black
BLU	: Blue
BRN	: Brown
GRN	: Green
GRY	: Grey
ORG	: Orange
RED	: Red
WHT	: White
YLW	: Yellow
PPL	: Purple

3D130906A

RXM60-71A



A1P	Printed circuit board
C7,C8	Capacitor
F1U, F2U, F3U, F4U	Fuse
K4R, K10R, K20R, K30R	Magnetic relay
L	Live
L1R,L2R	Reactor
M1C	Compressor motor
M1F	Fan motor
N	Neutral
N=2,N=4,N=5	Number of passes
PS	Switching power supply
Q1M	Overload protector
R1T~R5T	Thermistor
S1PH	High pressure switch
V821D, V822D	Diode
V817T, V818T	Igbt
V2R, V3R	Intelligent power module
V1R	Diode bridge
X1M	Terminal strip
X1A~X900A	Connector
Y1E	Electronic expansion valve coil
Y1S	Reversing solenoid valve coil
Z1C ,Z2C, Z3C	Ferrite core
Z1F, Z2F	Noise filter
⏚	Protective earth
⌒	Noiseless earth

BLK	: Black
BLU	: Blue
YLW	: Yellow
BRN	: Brown
ORG	: Orange
RED	: Red
WHT	: White
GRN	: Green
GRY	: Grey

NOTES

1. Refer to the nameplate for the power requirements.
2. Do not remove or replace fuse when the units are energized.
3. (#) Only for the units with the suspend connector specified in the installation manual.

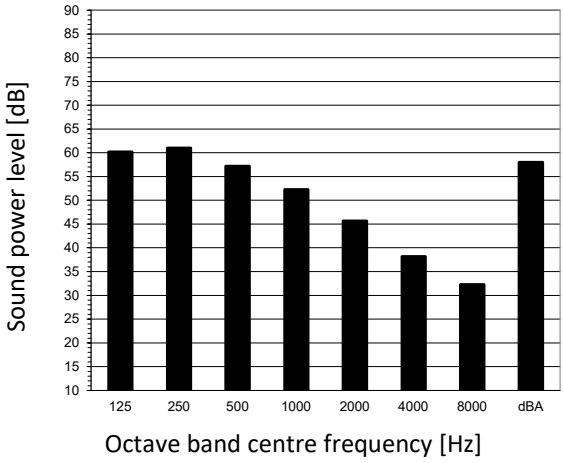
3D150217

9 Sound data

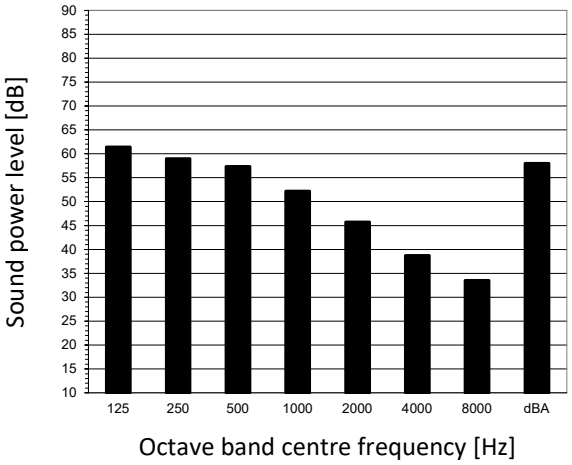
9 - 1 Sound Power Spectrum

RXM20A

Cooling



Heating



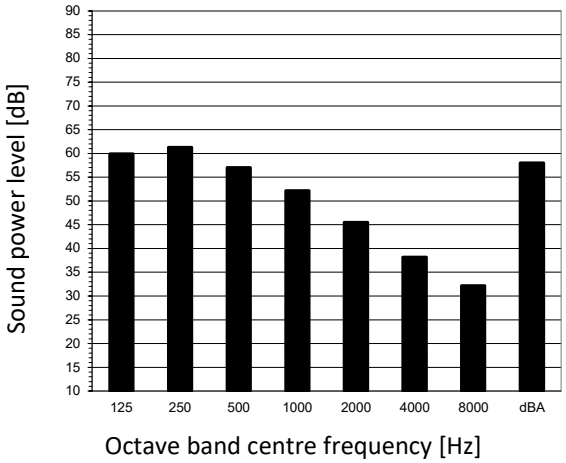
Fan speed: High

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

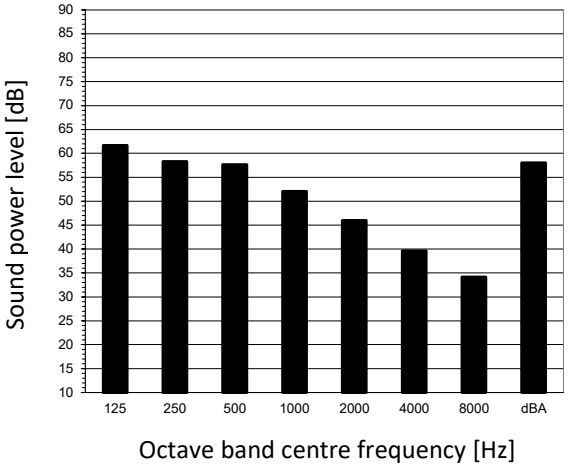
4D148770

RXM25A

Cooling



Heating



Fan speed: High

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

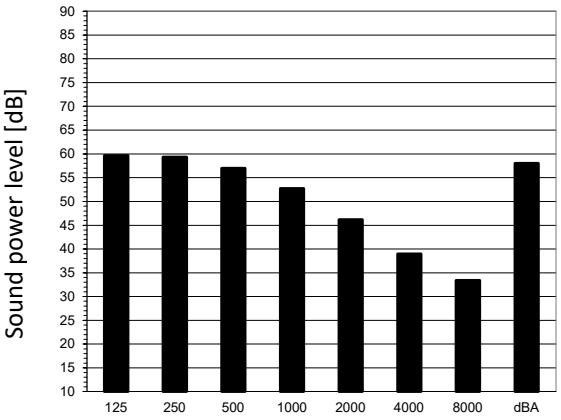
4D148790

9 Sound data

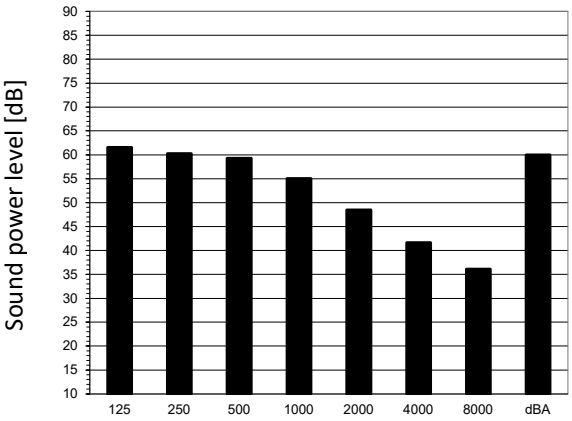
9 - 1 Sound Power Spectrum

RXM35A

Cooling



Heating



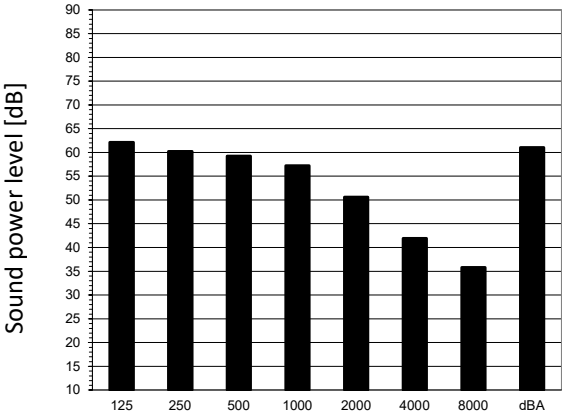
Fan speed: High

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

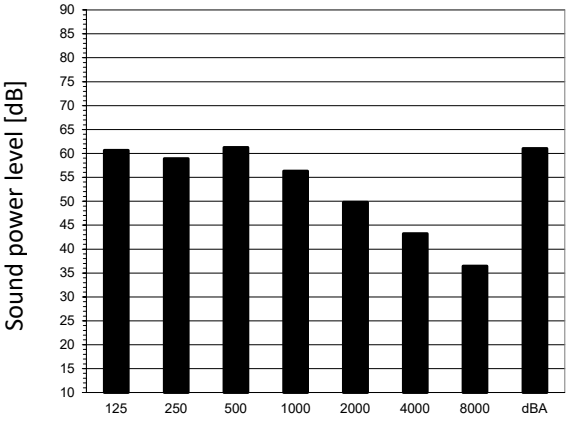
4D148795

RXM42A

Cooling



Heating



Fan speed: High

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

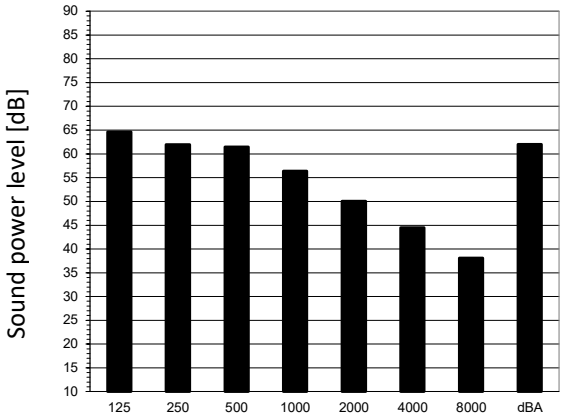
4D148793

9 Sound data

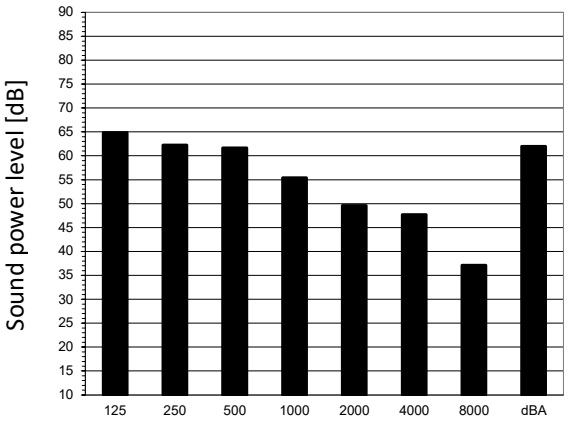
9 - 1 Sound Power Spectrum

RXM50A

Cooling



Heating



Fan speed: High

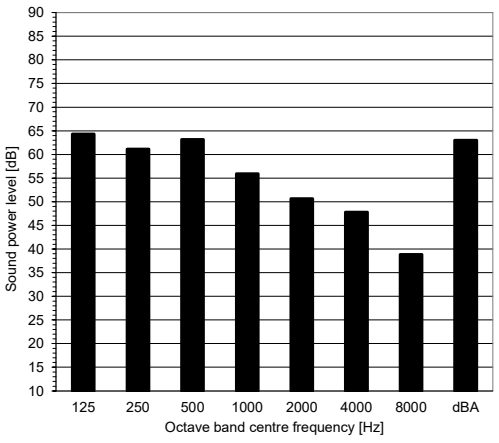
Notes

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

4D148792

RXM60A

Cooling mode



Fan speed: High

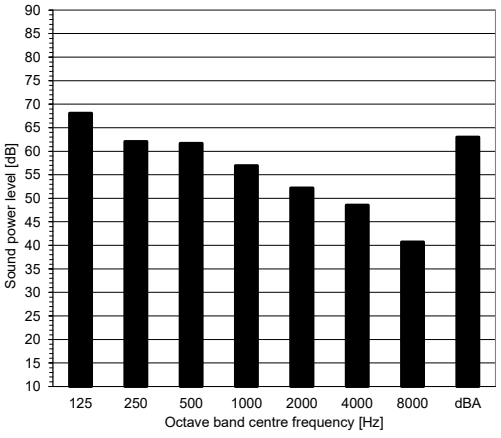
Notes

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

Heating mode



Fan speed: High

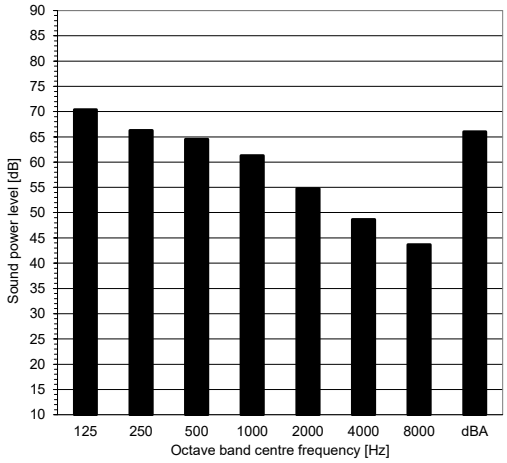
4D154644

9 Sound data

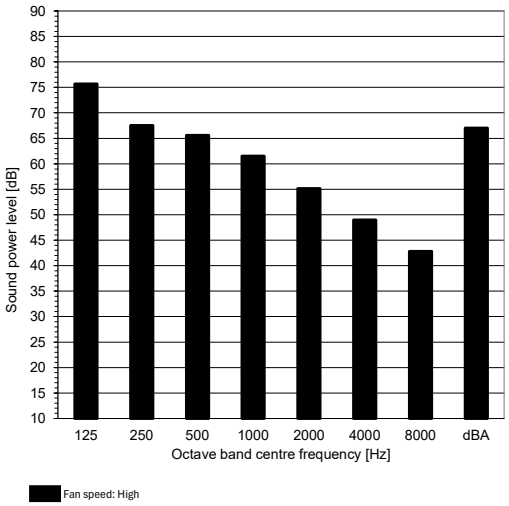
9 - 1 Sound Power Spectrum

RXM71A

Cooling mode



Heating mode



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

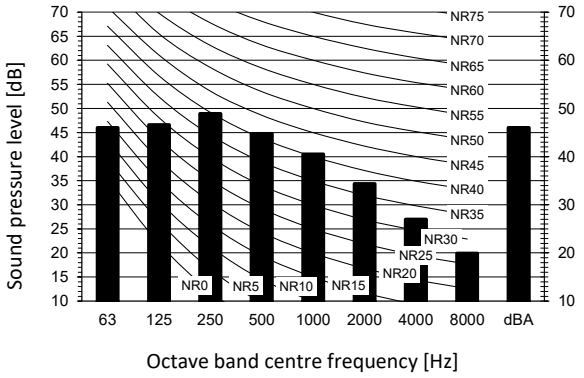
4D154647

9 Sound data

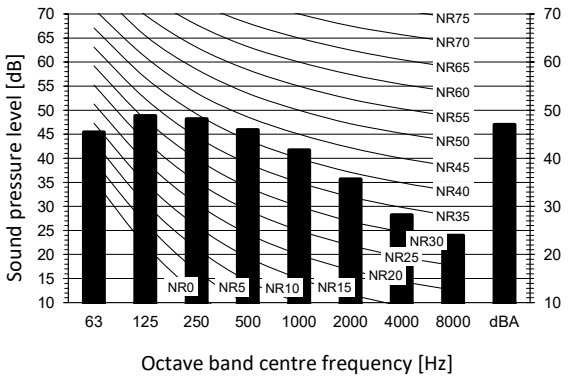
9 - 2 Sound Pressure Spectrum

RXM20A

Cooling mode



Heating mode



Legend

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

A Scale

B Fan speed: High

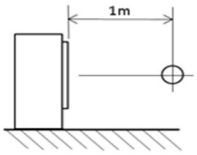
Cooling Total dB

A	B
dBA	46

Heating Total dB

A	B
dBA	47

Location of microphone



Notes

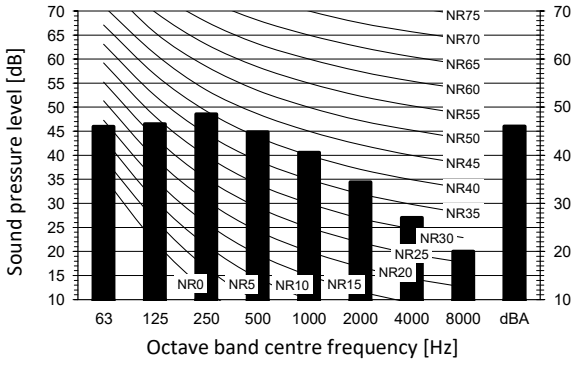
1. Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard

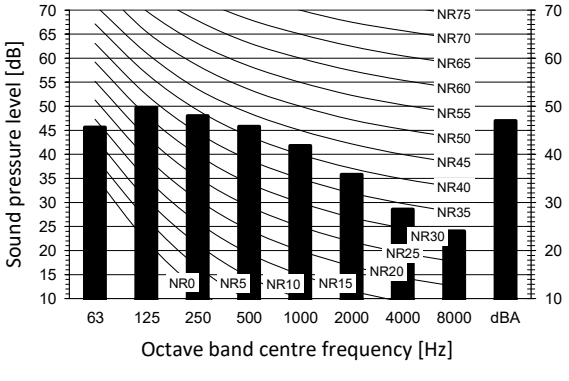
2. Background noise already taken into account.
3. Operating noise varies depending on operation and ambient conditions.
4. The operation noise measuring method is in accordance with JISC9612.
5. Measuring location: anechoic chamber

4D148976

RXM25A Cooling mode

Heating mode





Legend

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

A Scale

B Fan speed: High

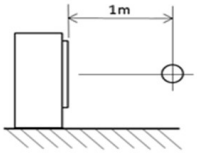
Cooling Total dB

A	B
dBA	46

Heating Total dB

A	B
dBA	47

Location of microphone



Notes

1. Operating conditions: power source 220-240 V/220 V 50/60 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

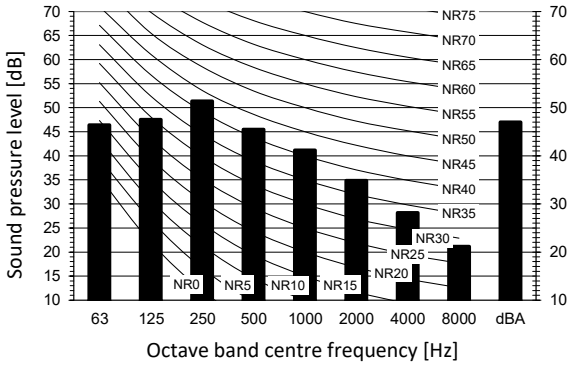
4D148977

9 Sound data

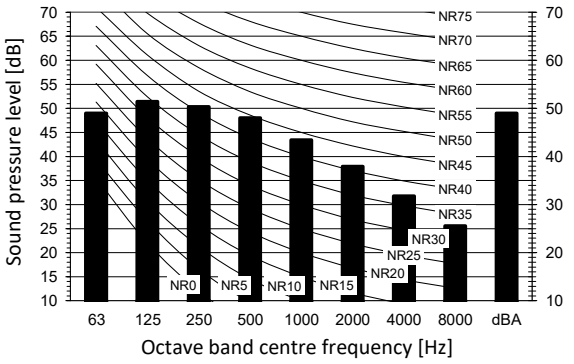
9 - 2 Sound Pressure Spectrum

RXM35A

Cooling mode



Heating mode



Legend

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

A Scale

B Fan speed: High

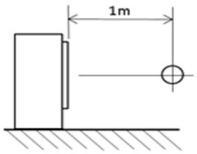
Cooling Total dB

A	B
dBA	47

Heating Total dB

A	B
dBA	49

Location of microphone



Notes

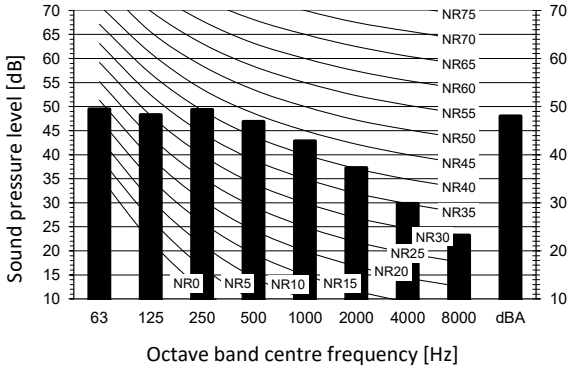
1. Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard

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

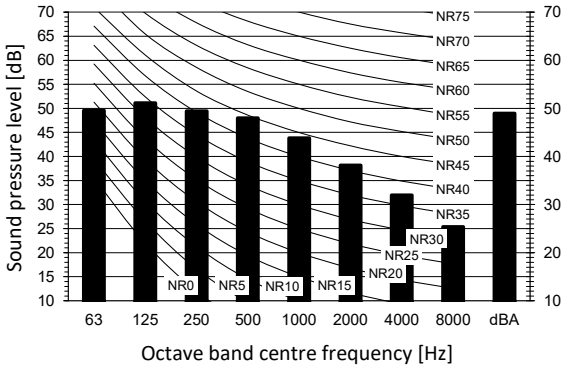
4D148978

RXM42A

Cooling mode



Heating mode



Legend

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

A Scale

B Fan speed: High

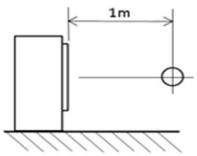
Cooling Total dB

A	B
dBA	48

Heating Total dB

A	B
dBA	49

Location of microphone



Notes

1. Operating conditions: power source 220-240 V/220 V 50/60 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

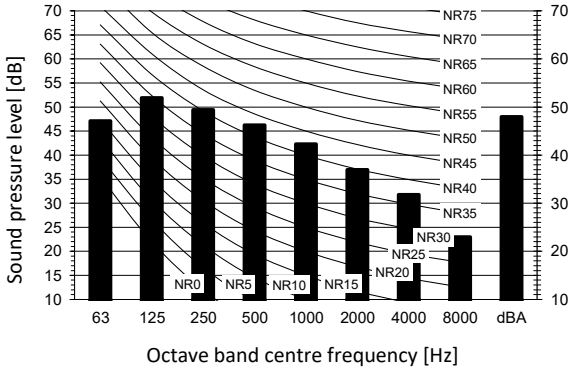
4D148979

9 Sound data

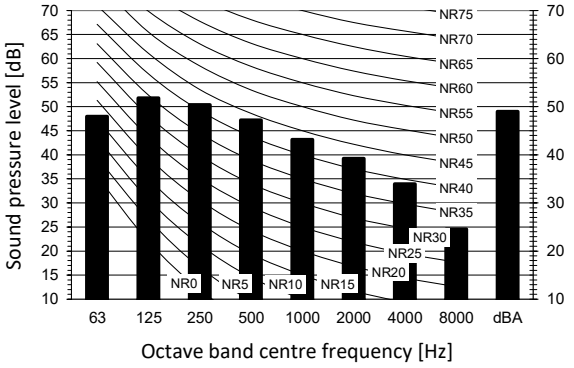
9 - 2 Sound Pressure Spectrum

RXM50A

Cooling mode



Heating mode



Legend

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

A Scale

B Fan speed: High

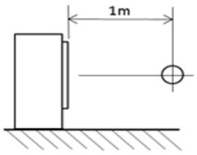
Cooling Total dB

A	B
dBA	48

Heating Total dB

A	B
dBA	49

Location of microphone



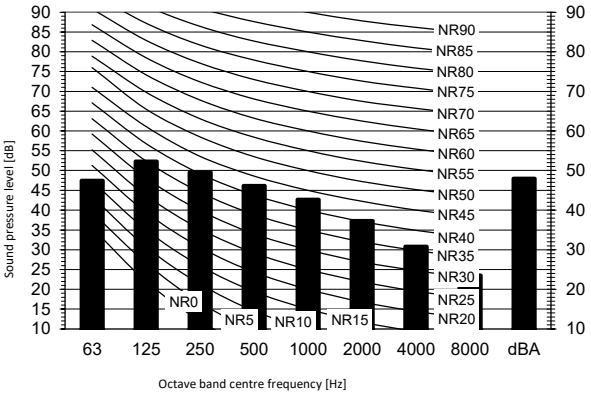
Notes

1. Operating conditions: power source 220-240 V/220 V 50/60 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

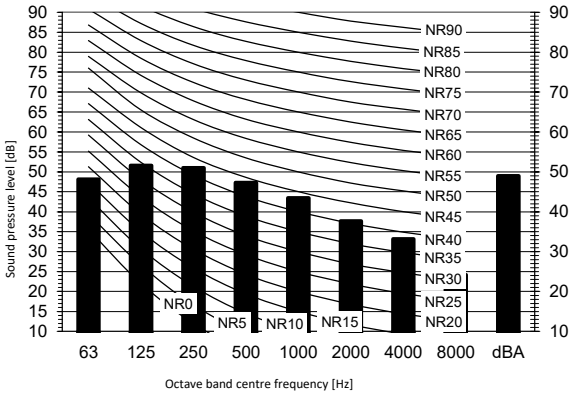
4D148980

RXM60A

Cooling mode



Heating mode



Legend

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

A Scale

B Fan speed: High

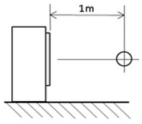
Cooling Total dB

A	B
dBA	48

Heating Total dB

A	B
dBA	49

Location of microphone



Notes

1. Operating conditions: power source 220-240 V/220 V 50/60 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

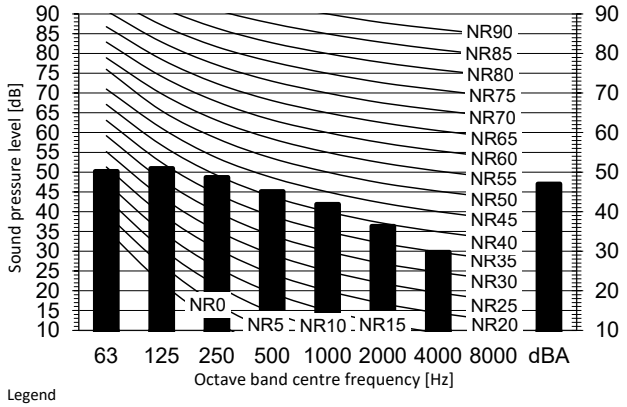
3D131754

9 Sound data

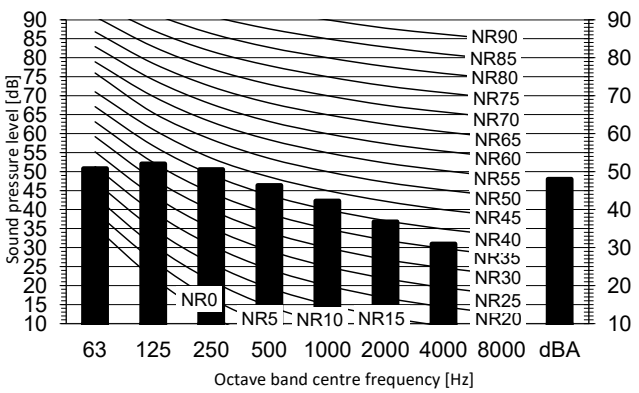
9 - 2 Sound Pressure Spectrum

RXM71A

Cooling mode



Heating mode



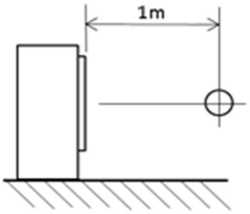
Legend

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

A Scale

B Fan speed: High

Location of microphone



Cooling Total dB

A	B
dBA	47

Heating Total dB

A	B
dBA	48

Notes

1. Operating conditions: power source 220-240 V/220 V 50/60 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

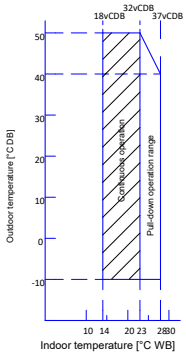
3D131755

10 Operation range

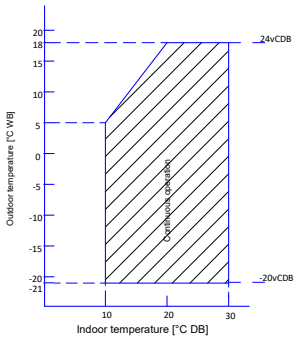
10 - 1 Operation Range

ARXM35A9
ARXM25-35A
RXM25-35A9
RXM20-42A

Cooling



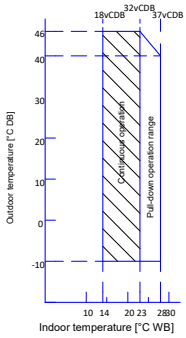
Heating



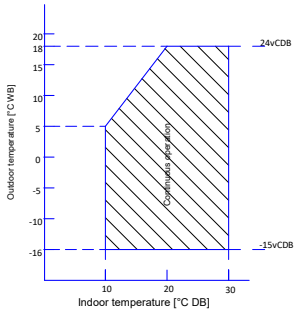
Notes
1. The graphs are based on the following conditions.
Corresponding refrigerant piping length: 5 m
Level difference: 0m
Air flow rate High

Only possible in combination with ATXM*A2V1B, ATXM*A5V1B, FTXM*A2V1B, FTXM*A5V1B, FVXM*B2V1B

Cooling



Heating

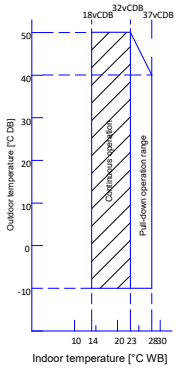


Only possible in combination with FCAG*BVEB, FFA*A2VEB9, FBA*A2VEB9, FHA*AVEB98, FDXM*F3V1B9, FNA*A2VEB9, ADEA*A2VEB, FVXM*A3V1B, FVXM*A3V1B9

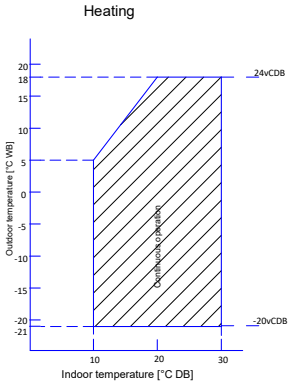
3D148983C

ARXM50A9
ARXM50A
RXM50A9
RXM50A

Cooling



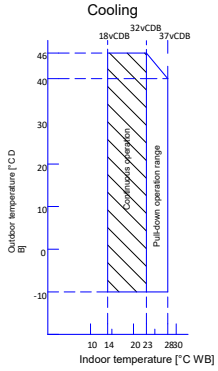
Heating



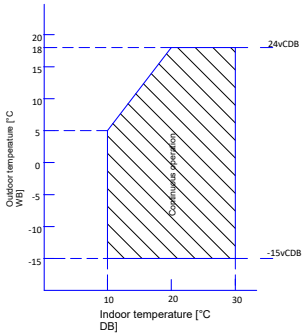
Notes
1. The graph is based on the following conditions.
Corresponding refrigerant piping length: 5 m
Level difference: 0m
Air flow rate High

Only possible in combination with ATXM*A2V1B, ATXM*A5V1B, FTXM*A2V1B, FTXM*A5V1B

Cooling



Heating



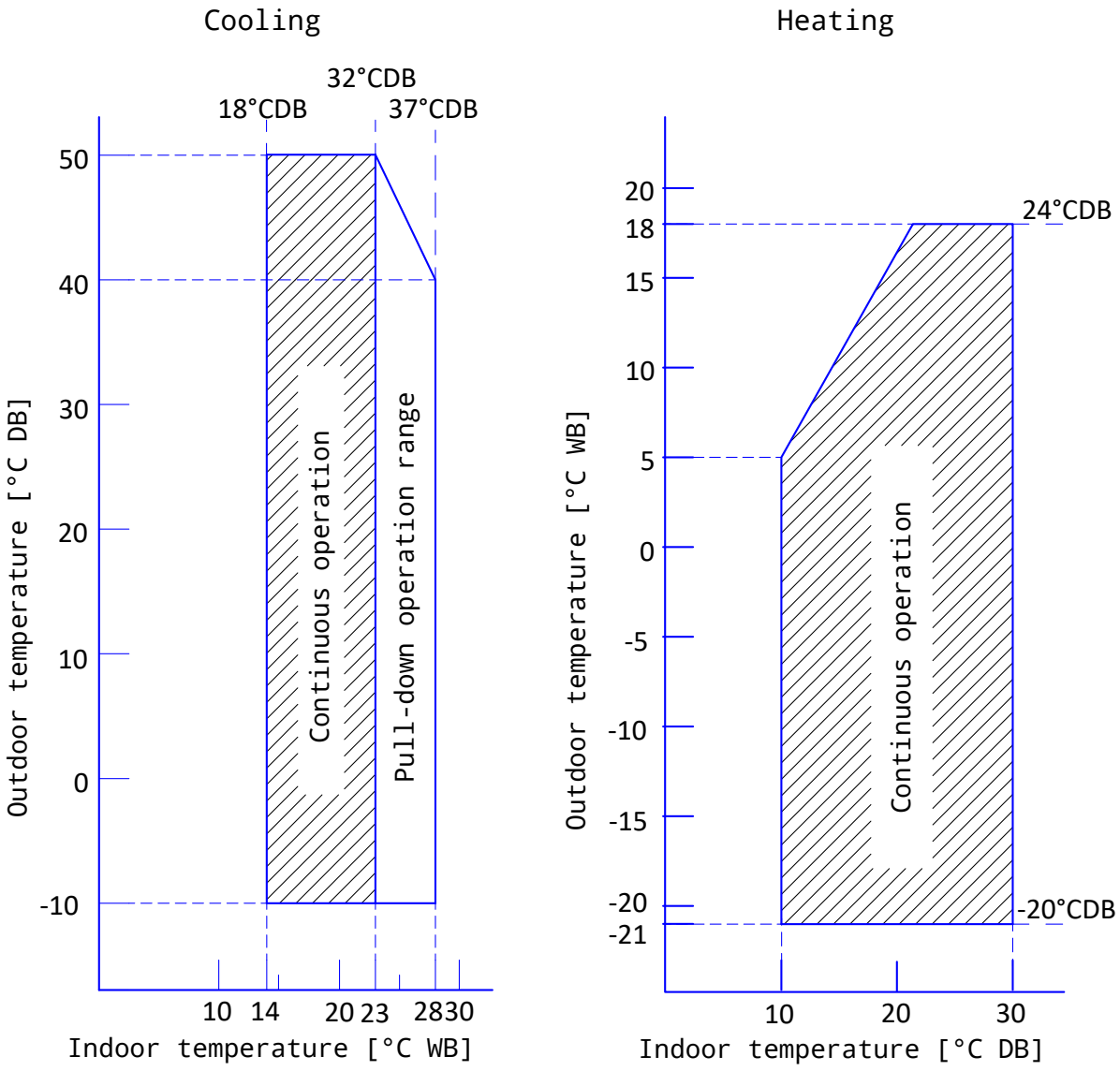
Only possible in combination with FCAG*BVEB, FFA*A2VEB9, FBA*A2VEB9, FHA*AVEB98, FHA*AVEB99, FDXM*F3V1B9, FNA*A2VEB9, ADEA*A2VEB, FVXM*A3V1B, FVXM*A3V1B9, FVXM*B2V1B

3D148981A

10 Operation range

10 - 1 Operation Range

RXM60A



Notes

1. The graphs are based on the following conditions.
   Corresponding refrigerant piping length: 5 m
   Level difference: 0m
   Air flow rate High

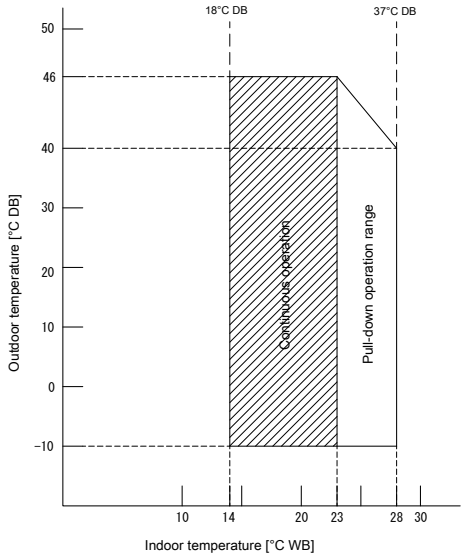
4D132631A

10 Operation range

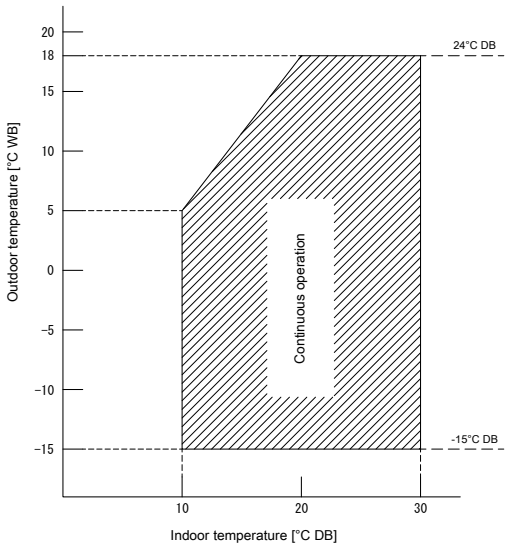
10 - 1 Operation Range

RXM71A

Cooling



Heating



Notes

1. The graphs is based on the following conditions.
   Corresponding refrigerant piping length: 5 m
   Level difference: 0m
   Air flow rate High

3D120207

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EEDEN24**A** 11/2024