

Air Conditioning Technical Data RXM-A



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RXM-A

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1 Features

1 - 1 RXM-A

- › 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	m³/min	39.1			40.1	58	-	-
cfm					1,381			1,416	2,048	-	-	
Nom.				m³/min	38.5	39.1	40.1	58	46.6	-		
				cfm	1,360	1,381	1,416	2,048	1,645	1,730		
Medium				m³/min	36.5		38.5	56.3	-	49		
				cfm	1,289		1,360	1,988	-	-		
Low			m³/min	26.4			56.3	-	-			
			cfm	932			1,988	-	-			
Silent operation			m³/min	26.4			36.6	-	-			
			cfm	932			1,293	-	-			
Heating			High	m³/min	39.1			40.1	54.7	-	-	
				cfm	1,381			1,416	1,932	-	-	
		Nom.	m³/min	35.0	38.0	38	54.7	44.1	-			
			cfm	1,236	1,342	1,932	1,557	1,632				
		Medium	m³/min	21.3	35.0	36.6	-	46.2				
			cfm	752	1,236	1,293	-	-				
Fan		Air flow rate	Heating	Low	m³/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	870	720		740		
		Low		rpm	400		600	500	660	680		
		Medium	rpm	500		770	500	-	-			
Compressor	Model					1Y091BKBX1P#D		2YC40JXD#D	2YC40JXD#D	2Y147BKBX1P#D	2Y260BKBX1P#C	
	Oil Amount	cm³		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				50 (1) / 46 (1)		50	46
			Max.	°CDB	50				-21 (1) / -15 (1)		-21	-15
	Heating	Ambient	Min.	°CWB	-21				-21 (1) / -15 (1)		-21	-15
			Max.	°CWB	-20				-20 (1) / -15 (1)		-20	-15
				°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

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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			50						
	Voltage			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

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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	Cooling		A	
	Directive	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
Space cooling	Required back up heating cap at design conditions	kW		0.00	0
	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
	C Condition	Pdc	kW	2.37	2.71
	(25°C - 27/19)	EERd		8.41	7.97
	Power input	kW		0.28	0.34
Space cooling	D Condition	Pdc	kW	1.98	2.13
	(20°C - 27/19)	EERd		10.52	8.54
	Power input	kW		0.19	0.25
	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
Space heating (Average climate)	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
Space heating (Warm climate)	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
	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
Space heating (Warm climate)	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)			1.61	1.6
		COPd (declared COP)			4.55	4.41
		Power input			0.35	0.36
	D Condition (12°C)	Pdh (declared heating cap)			1.58	1.79
		COPd (declared COP)			5.23	5.32
		Power input			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			0	
		Off mode	POFF			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	
	Pd _h 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	Pdesign _h	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

2 - 1 Specifications

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		
		Pdh (declared heating cap)		kW	3.86		4.12		
		COPd (declared COP)			2.04		2.08		
	TBivalent	Power input		kW	1.89		1.94		
		Tbiv (bivalent temperature)		°C	-7				
		Pdh (declared heating cap)		kW	3.86		4.17		
	A Condition (-7°C)	COPd (declared COP)			2.81		2.56		
		Power input		kW	1.37		1.63		
		Pdh (declared heating cap)		kW	3.86		4.17		
	B Condition (2°C)	COPd (declared COP)			2.81		2.56		
		Power input		kW	1.37		1.63		
		Pdh (declared heating cap)		kW	2.35		2.56		
	C Condition (7°C)	COPd (declared COP)			4.39		4.31		
		Power input		kW	0.54		0.59		
		Pdh (declared heating cap)		kW	1.54		1.64		
	D Condition (12°C)	COPd (declared COP)			5.31		5.28		
		Power input		kW	0.29		0.31		
		Pdh (declared heating cap)		kW	1.79		1.46		
	Space heating (Warm climate)	TOL	Tol (temperature operating limit)		°C	-15			
			Pdh (declared heating cap)		kW	3.86		4.04	
			COPd (declared COP)			2.04		2.08	
TBivalent		Power input		kW	1.89		1.94		
		Tbiv (bivalent temperature)		°C	2				
		Pdh (declared heating cap)		kW	2.35		2.54		
B Condition (2°C)		COPd (declared COP)			4.39		4.31		
		Power input		kW	0.54		0.59		
		Pdh (declared heating cap)		kW	2.35		2.54		
C Condition (7°C)		COPd (declared COP)			4.39		4.31		
		Power input		kW	0.54		0.59		
		Pdh (declared heating cap)		kW	1.54		1.64		
D Condition (12°C)	COPd (declared COP)			5.31		5.28			
	Power input		kW	0.29		0.31			
	Pdh (declared heating cap)		kW	1.79		1.46			
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.	dB(A)	62		63		
		Heating	Nom.	dB(A)	49		51		
	Piping lenath	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

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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	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

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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	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.	dB(A)	62		63		
		Cooling	Nom.	dB(A)	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	Cooling		A	B
	Directive	Heating			
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	Pdc	kW	5.00	5.7
	(35°C - 27/19)	EERd		3.24	3.05
		Power input	kW	1.54	1.86
	B Condition	Pdc	kW	3.69	4.2
	(30°C - 27/19)	EERd		5.38	5.34
		Power input	kW	0.69	0.79
Space cooling	C Condition	Pdc	kW	2.37	2.71
	(25°C - 27/19)	EERd		7.85	7.24
		Power input	kW	0.30	0.37
	D Condition	Pdc	kW	2.15	2.27
	(20°C - 27/19)	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	Pdh (declared heating cap)	kW	3.40	3.51
	(-10°C)	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	Pdh (declared heating cap)	kW	3.40	3.51
	(-7°C)	COPd (declared COP)		2.62	2.84
		Power input	kW	1.30	1.24
	B Condition	Pdh (declared heating cap)	kW	2.09	2.14
	(2°C)	COPd (declared COP)		3.97	4.12
		Power input	kW	0.53	0.52
	C Condition	Pdh (declared heating cap)	kW	1.47	1.49
	(7°C)	COPd (declared COP)		4.81	4.74
		Power input	kW	0.31	
	D Condition	Pdh (declared heating cap)	kW	1.71	1.74
	(12°C)	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
		Heating	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	Cooling			A	D
	labeling Directive	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

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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
			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	

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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.	dB(A)	62	63
	Sound power level indoor	Cooling	Nom.	dB(A)	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	Cooling		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					

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Technical specifications					FTXM20A + RXM20A	FTXM25A + RXM25A	FTXM35A + RXM35A	FTXM42A + RXM42A	FTXM50A + RXM50A	FTXM60A + RXM60A
Eurovent	Sound power level outdoor	Cooling	Nom.	dB(A)	58			61	62	63
	Sound power level indoor	Cooling	Nom.	dB(A)	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					
Heating capacity	Max.			kcal/h	7,309					
	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					
Power input	Max.			Btu/h	34,800					
	Max.			kcal/h	8,770					
Nominal efficiency	Cooling	Nom.		kW	2.34					
	Heating	Nom.		kW	2.57					
Space cooling	EER				3.03					
	COP				3.19					
	Annual energy consumption			kWh	1,172					
	Energy labeling	Cooling			B					
	Energy labeling	Heating			D					
Space heating (Average climate)	Energy efficiency class				A++					
	Capacity	Pdesign		kW	7.1					
	SEER				6.2					
	Annual energy consumption			kWh/a	401					
Space heating (Warm 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					
Space heating (Warm climate)	Required back up heating cap at design conditions			kW	1.19					
	Energy efficiency class				A+++					
	Capacity	Pdesignh		kW	3.34					
	SCOP				5.74					
	SCOPnet				5.81					
	Annual energy consumption			kWh/a	814					
Space heating (Warm climate)	Required back up heating cap at design conditions			kW	3.34					
	Required back up heating cap at design conditions			kW	3.34					

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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	

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Technical specifications					FTXM71A + RXM71A
Eurovent	Sound power level outdoor	Cooling	Nom.	dB(A)	66
	Sound power level indoor	Cooling	Nom.	dB(A)	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
Heating capacity	Max.		kcal/h	2,236	2,752	3,439	4,299	5,159	6,019
	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
Power input	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
	Cooling	Nom.	kW	0.44	0.56	0.8	1.39	1.36	1.77
Nominal efficiency	Heating	Nom.	kW	0.5	0.56	0.99	1.36	1.45	1.94
	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	Cooling Heating Directive		A			B	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
	Energy efficiency class			A+++					
Space heating (Warm climate)	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			

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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.	dB(A)	59	58	61		62	63
	Sound power level indoor	Cooling	Nom.	dB(A)	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)			0.96 - 4.94	0.94 - 4.97	0.93 - 4.98	1.39 - 4.77	---	
	SCOPnet/A									

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					
Heating capacity	Max.			kcal/h	7,309					
	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					
Power input	Max.			Btu/h	34,800					
	Max.			kcal/h	8,770					
Nominal efficiency	Cooling	Nom.		kW	2.34					
	Heating	Nom.		kW	2.57					
Space cooling	EER				3.03					
	COP				3.19					
	Annual energy consumption			kWh	1,172					
	Energy labeling Directive	Cooling			B					
		Heating			D					
Space heating (Average climate)	Energy efficiency class				A++					
	Capacity	Pdesign		kW	7.1					
	SEER				6.2					
	Annual energy consumption			kWh/a	401					
Space heating (Warm climate)	Energy efficiency class				A+					
	Capacity	Pdesignh		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	

2 Specifications

2 - 1 Specifications

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	
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
	Capacity	Pdesignh	kW	2.35	2.54
Space heating (Warm climate)	Energy efficiency class			A+	A++
	SCOP			4.59	4.61
	SCOPnet			4.64	4.67
	Annual energy consumption		kWh/a	716	771
Space cooling	Required back up heating cap at design conditions		kW	0.00	0
	A Condition	Pdc	kW	5.00	5.7
	(35°C - 27/19)	EERd		3.21	3.29
		Power input	kW	1.56	1.73
	B Condition	Pdc	kW	3.69	4.2
	(30°C - 27/19)	EERd		5.04	4.88
		Power input	kW	0.73	0.86
	C Condition	Pdc	kW	2.37	2.71
Space cooling	(25°C - 27/19)	EERd		8.25	8.34
		Power input	kW	0.29	0.33
	D Condition	Pdc	kW	2.31	2.26
	(20°C - 27/19)	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	
Space heating (Warm climate)	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	
	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	
		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 consumption in other than active mode		Power input	kW	-	1.95		1.99	
	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	Nom. dBA		62		63	
		Sound power level indoor	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	Cooling		A
	Directive	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

2

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.	dB(A)	62		
		Cooling	Nom.	dB(A)	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	Cooling		A
	Directive	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
	Capacity	Pdesignh	kW	2.21
Space heating (Warm climate)	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
	Capacity	Pdc	kW	5.00
Space cooling	A Condition (35°C - 27/19)	EERd		3.81
		Power input	kW	1.31
	B Condition (30°C - 27/19)	EERd		3.69
		Power input	kW	0.67
	C Condition (25°C - 27/19)	EERd		8.59
		Power input	kW	0.28
	D Condition (20°C - 27/19)	EERd		12.51
		Power input	kW	0.18
	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
Space heating (Average climate)		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
	TOL	Tol (temperature operating limit)	°C	-15

2 Specifications

2 - 1 Specifications

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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.	dB(A)	62	
		Heating	Nom.	dB(A)	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				

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	14.54	16	58	5.3	0.066	0.83	0.037	0.14
		50	230	MIN. 50Hz 198V				5.1				
		50	240					4.9				
ARXM71A5V1B	FHA71AVEB9	50	220	MAX. 50Hz 264V	15.81	16	83	8.3	0.066	0.83	0.110	0.80
		50	230	MIN. 50Hz 198V				7.9				
		50	240					7.6				
ARXM71A5V1B	FHA71AVEB99	50	220	MAX. 50Hz 264V	15.81	16	83	8.3	0.066	0.83	0.110	0.80
		50	230	MIN. 50Hz 198V				7.9				
		50	240					7.6				
ARXM71A5V1B	FHA71AVEB98	50	220	MAX. 50Hz 264V	15.81	16	83	8.3	0.066	0.83	0.110	0.80
		50	230	MIN. 50Hz 198V				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
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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	
[°C DB]		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

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

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

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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
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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	
[°C DB]		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

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

- The ratings shown are net capacities which include a deduction for indoor fan motor heat.
- | |
|--|
| |
|--|

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

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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
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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	
[°C DB]		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

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

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

4D150087

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FBA50A9 / RXM50A

Cooling -50· Hz -220 - 240· V

AFR	15,0
BF	0,13

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

Heating -50· Hz -220 - 240· V

AFR	15,0
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Indoor temperature		Outdoor temperature [°C WB]											
EDB		-15		-10		-5		0		6		10	
°C	°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

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

3D110073D

FDXM50F9 / RXM50A

Cooling -50· Hz -220 - 240· V

AFR	15,8
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
14,0	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

Heating -50· Hz -220 - 240· V

AFR	15,8
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Indoor temperature		Outdoor temperature [°C WB]											
EDB		-15		-10		-5		0		6		10	
°C	°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

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

3D110080D

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FCAG50B / RXM50A

Cooling -50· Hz -220 - 240· V

AFR	12,6
BF	0,22

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

Heating -50· Hz -220 - 240· V

AFR	12,6
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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

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

3D110076E

FFA50A9 / RXM50A

Cooling -50· Hz -220 - 240· V

AFR	12,7
BF	0,16

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

Heating -50· Hz -220 - 240· V

AFR	12,7
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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	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

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

3D110085D

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FTXM50A / RXM50A

Cooling ·50Hz 220-240V·

AFR	12,7
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	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

Heating ·50Hz 220-240V·

AFR	14,5
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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

- The ratings shown are net capacities which include a deduction for indoor fan motor heat.
- 5,80** Nominal capacity and nominal input
- The total capacity, power input and sensible heat capacity must be calculated by interpolation, using the figures in the table (figures not in the table may not be used in the calculation).
- In case the sensible heat capacity is not mentioned in the table, please calculate it using an approximation between two values in direct proportion.
- The capacities are based on the following conditions:
Corresponding refrigerant piping length: ·5· m
Level difference: ·0·m
- The air flow rate and bypass factor are mentioned in the table.

4D150088

FVXM50A / RXM50A

FVXM50A9 / RXM50A

Cooling

·50· Hz

·220 - 240· V

AFR	11,6
BF	0,11

Indoor temperature				Outdoor temperature [°C DB]															
		20			25			30			32			35			40		
°C	EDB	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

Heating

·50· Hz

·220 - 240· V

AFR	12,8
-----	------

Indoor temperature		Outdoor temperature [°C WB]											
		-15		-10		-5		0		7		10	
EDB		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

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

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	°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

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

Heating

·50· Hz

·220 - 240· V

AFR	15,0
-----	------

Indoor temperature		Outdoor temperature [°C WB]											
EDB		-15		-10		-5		0		6		10	
°C	°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

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

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	°C	-15		-10		-5		0		6		10	
°C	°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	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	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	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	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	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	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

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

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	°C	-15		-10		-5		0		6		10	
°C	°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	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	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	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	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	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	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

- The ratings shown are net capacities which include a deduction for indoor fan motor heat.
- The bold cells indicate the standard conditions.
- The total capacity, power input and sensible heat capacity must be calculated by interpolation, using the figures in the table (figures not in the table may not be used in the calculation).
- In case the sensible heat capacity is not mentioned in the table, please calculate it using an approximation between two values in direct proportion.
- The capacities are based on the following conditions:
Corresponding refrigerant piping length: 5 m
Level difference: 0m
- 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
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Indoor temperature		Outdoor temperature [°C WB]											
EDB	°C	-15		-10		-5		0		6		10	
°C	°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

- The ratings shown are net capacities which include a deduction for indoor fan motor heat.
- The bold cells indicate the standard conditions.
- The total capacity, power input and sensible heat capacity must be calculated by interpolation, using the figures in the table (figures not in the table may not be used in the calculation).
- In case the sensible heat capacity is not mentioned in the table, please calculate it using an approximation between two values in direct proportion.
- The capacities are based on the following conditions:
Corresponding refrigerant piping length: 5 m
Level difference: 0m
- 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
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Indoor temperature		Outdoor temperature [°C WB]											
EDB	°C	-15		-10		-5		0		6		10	
°C	°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

- The ratings shown are net capacities which include a deduction for indoor fan motor heat.
- The bold cells indicate the standard conditions.
- The total capacity, power input and sensible heat capacity must be calculated by interpolation, using the figures in the table (figures not in the table may not be used in the calculation).
- In case the sensible heat capacity is not mentioned in the table, please calculate it using an approximation between two values in direct proportion.
- The capacities are based on the following conditions:
Corresponding refrigerant piping length: 5 m
Level difference: 0m
- 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
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Indoor temperature		Outdoor temperature [°C WB]											
EDB	°C	-15		-10		-5		0		6		10	
°C	°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

- The ratings shown are net capacities which include a deduction for indoor fan motor heat.
- The bold cells indicate the standard conditions.
- The total capacity, power input and sensible heat capacity must be calculated by interpolation, using the figures in the table (figures not in the table may not be used in the calculation).
- In case the sensible heat capacity is not mentioned in the table, please calculate it using an approximation between two values in direct proportion.
- The capacities are based on the following conditions:
Corresponding refrigerant piping length: 5 m
Level difference: 0m
- 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
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Indoor temperature		Outdoor temperature [°C WB]											
EDB	°C	-15		-10		-5		0		6		10	
°C	°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

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

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	1,66	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

Heating 50Hz, 220-240V

AFR	16,0
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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

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

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FTXM60A / RXM60A

Cooling 50Hz, 220-240V

AFR	15,6
BF	0,23

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

Heating 50Hz, 220-240V

AFR	15,9
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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]											
[°C DB]		-15		-10		-5		0		6		10	
		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

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

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Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FTXM71R / RXM71A

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
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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	8.56	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

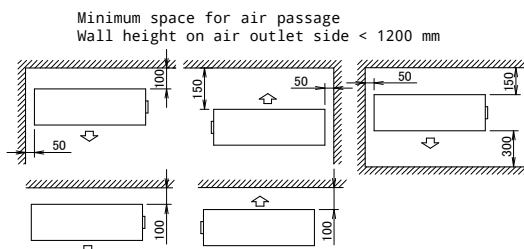
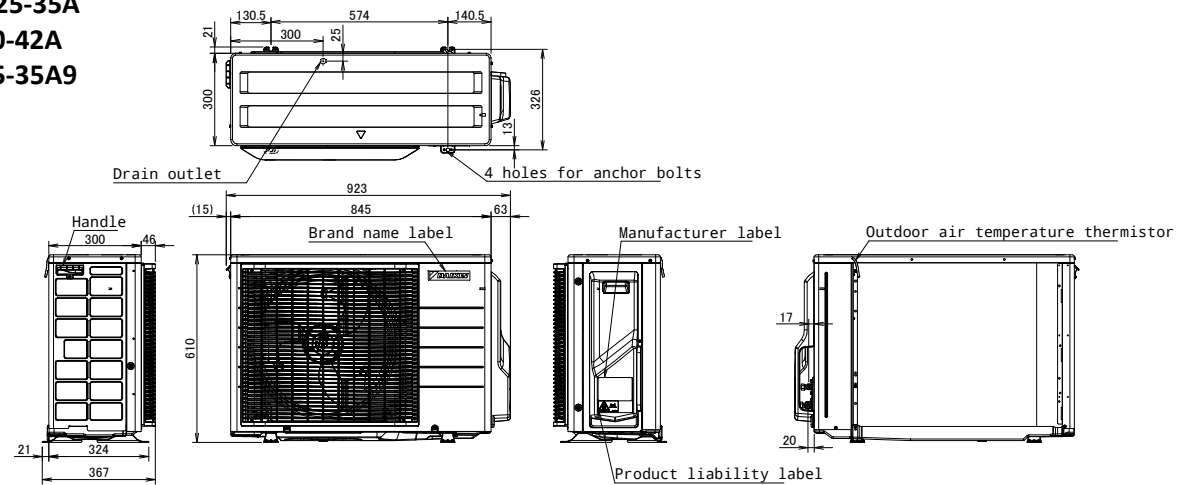
5 Dimensional drawings

5 - 1 Dimensional Drawings

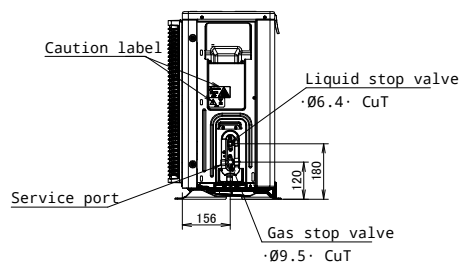
ARXM25-35A

RXM20-42A

RXM25-35A9



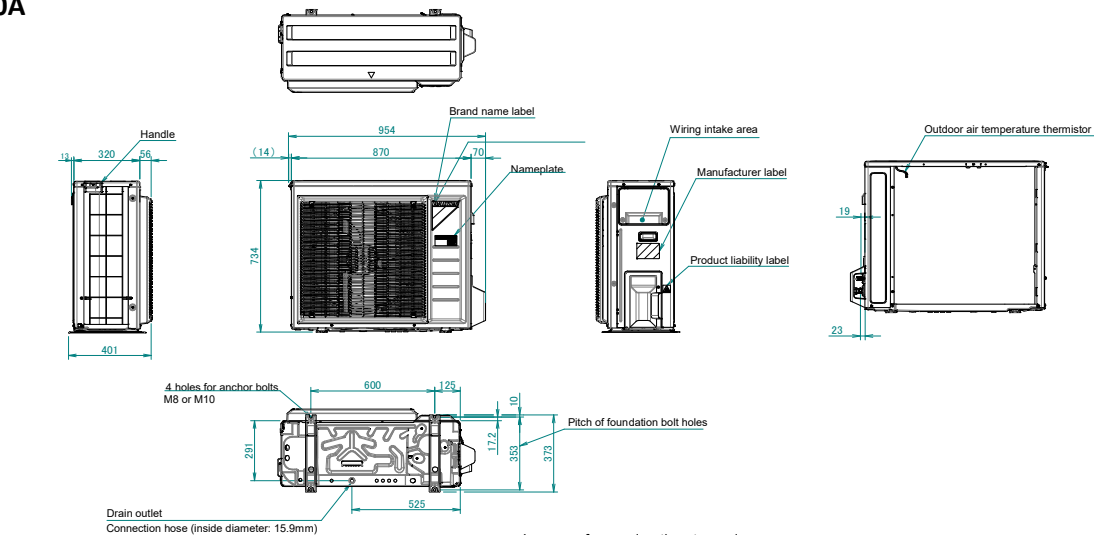
In case of removing the stop valve cover.



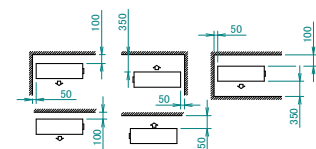
3D147631A

ARXM50A

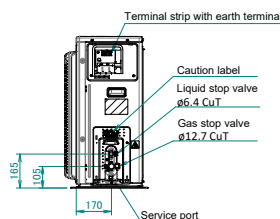
RXM50A



Minimum space for air passage
Wall height on air outlet side < 1200 mm



In case of removing the stop valve cover.



3D148264A

5 Dimensional drawings

5 - 1 Dimensional Drawings

5

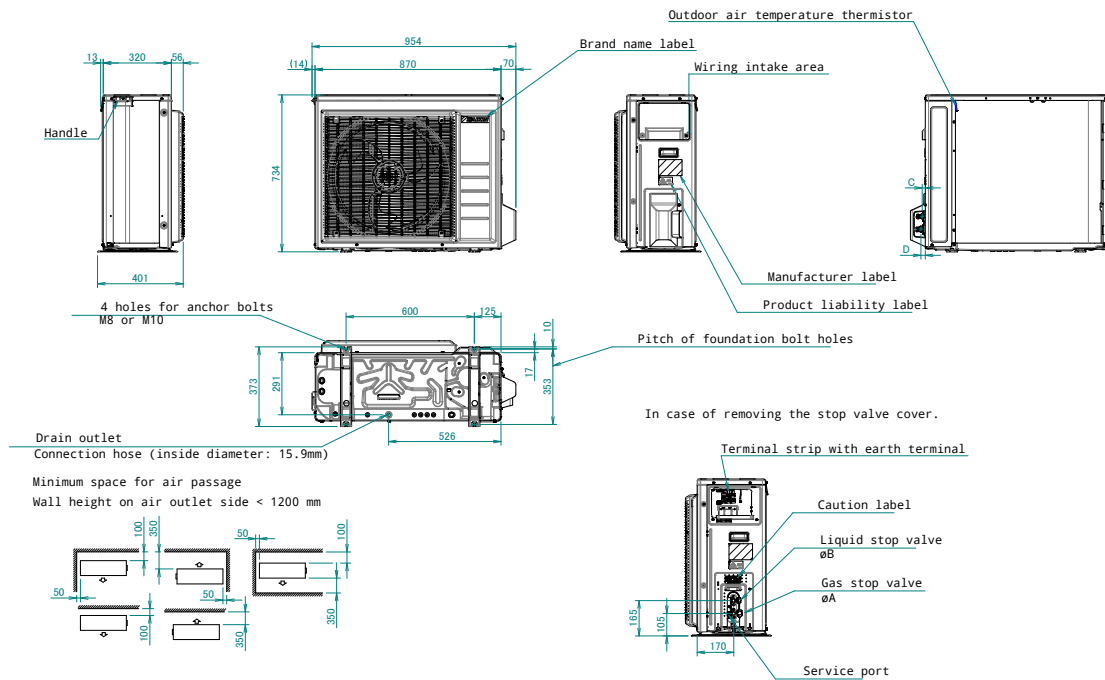
ARXM50A9

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

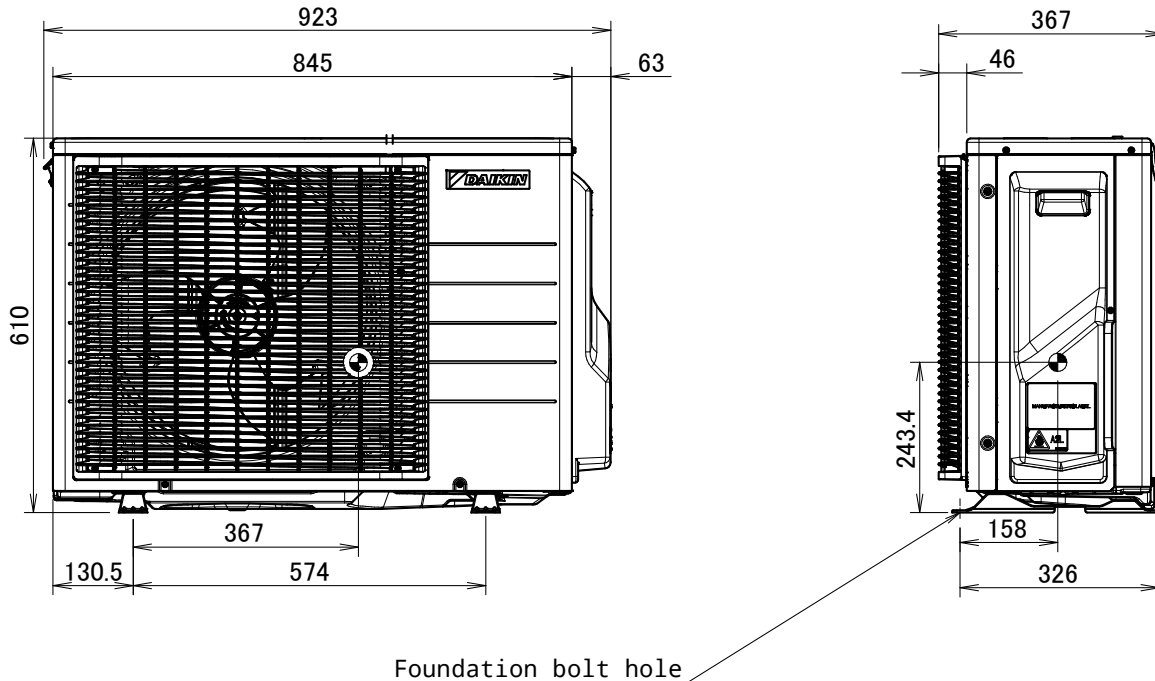
6 Centre of gravity

6 - 1 Centre of Gravity

ARXM25-35A

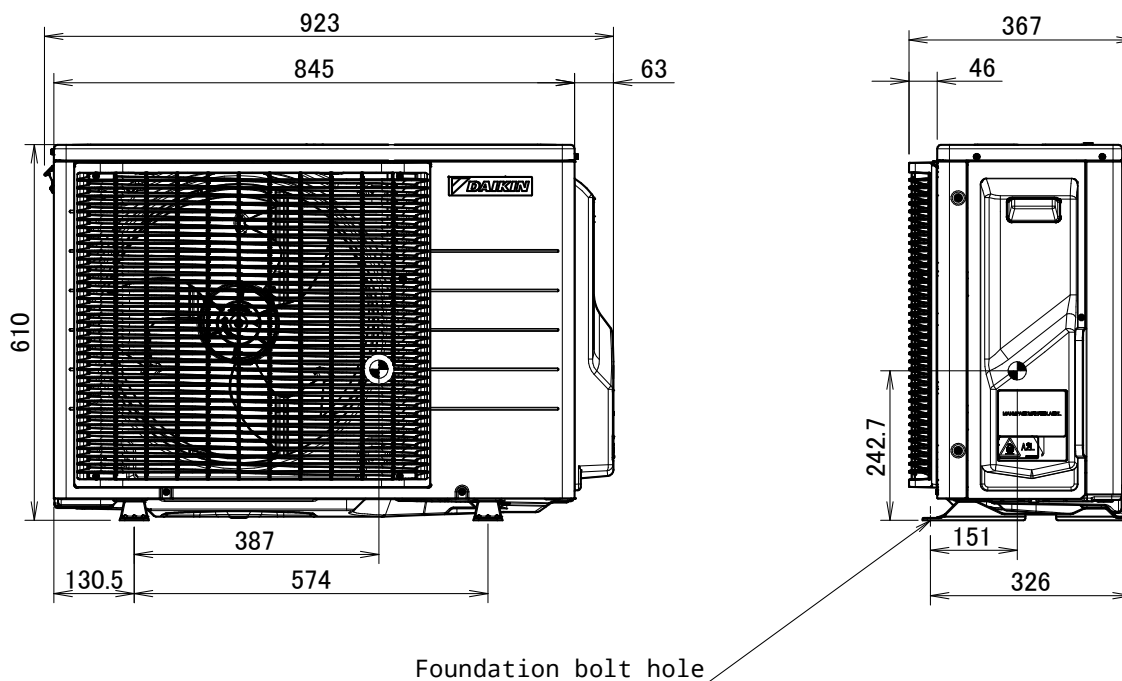
RXM20-35A

RXM20-35A9



4D148194

RXM42A



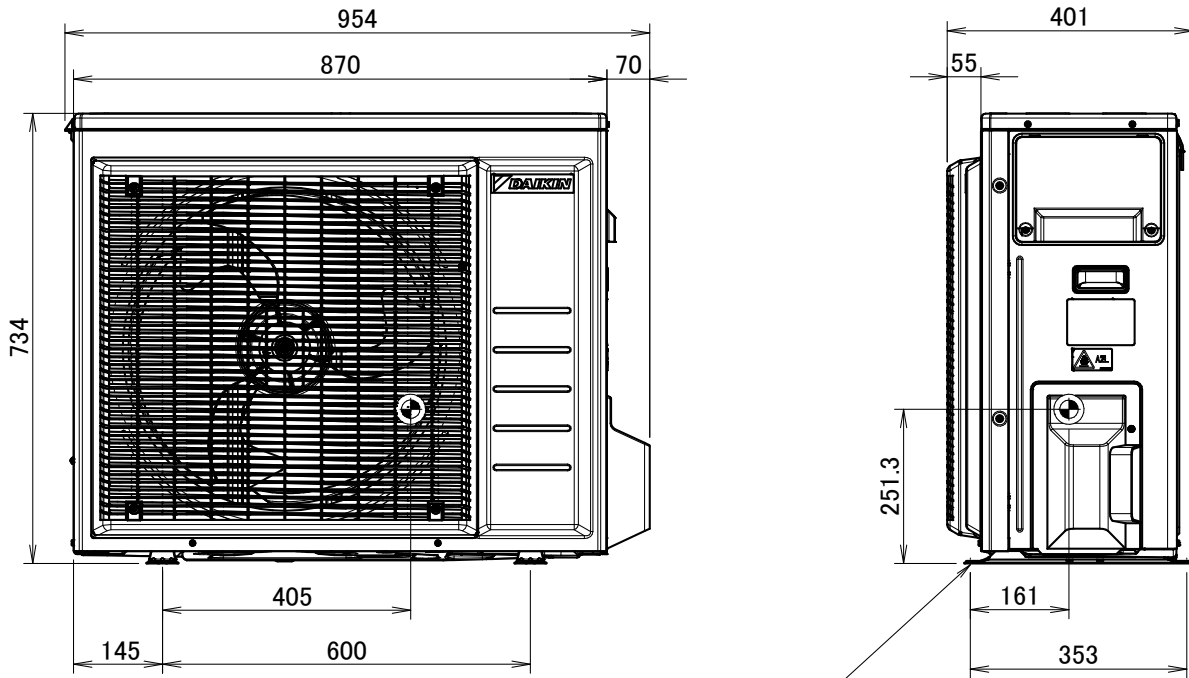
4D148193

6 Centre of gravity

6 - 1 Centre of Gravity

ARXM50A
RXM50A

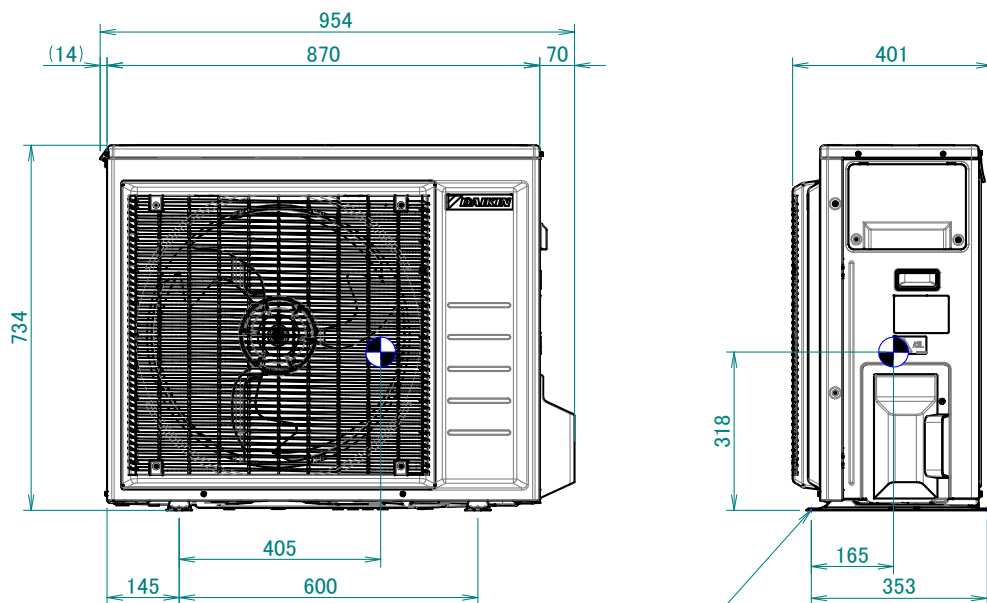
6



Foundation bolt hole

4D148199

ARXM50A9
ARXM60-70A
RXM50A9
RXM60A



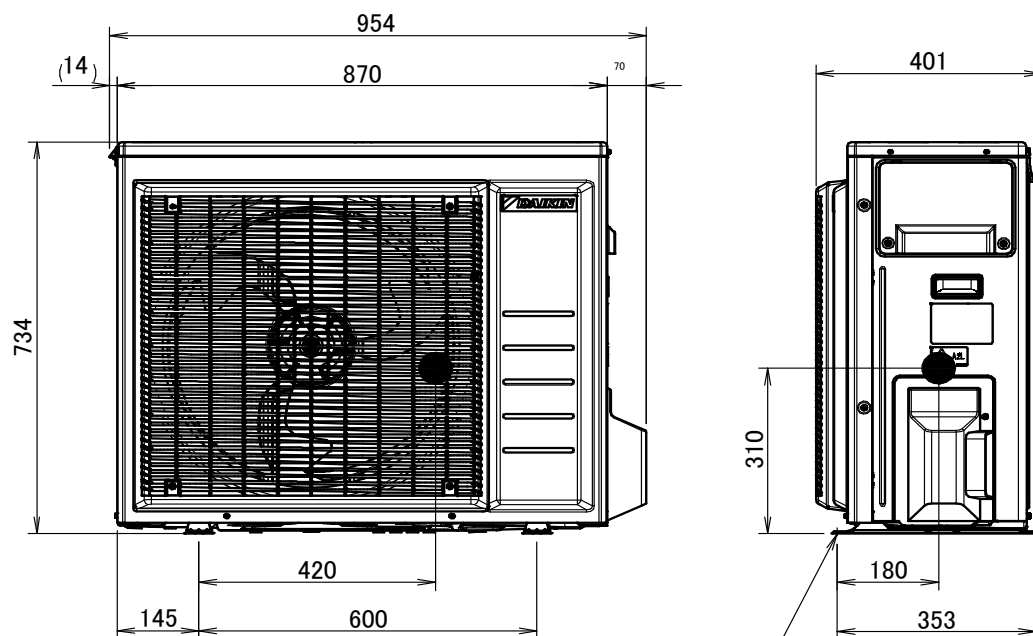
Foundation bolt hole

4D151950

6 Centre of gravity

6 - 1 Centre of Gravity

RXM71A



Foundation bolt hole

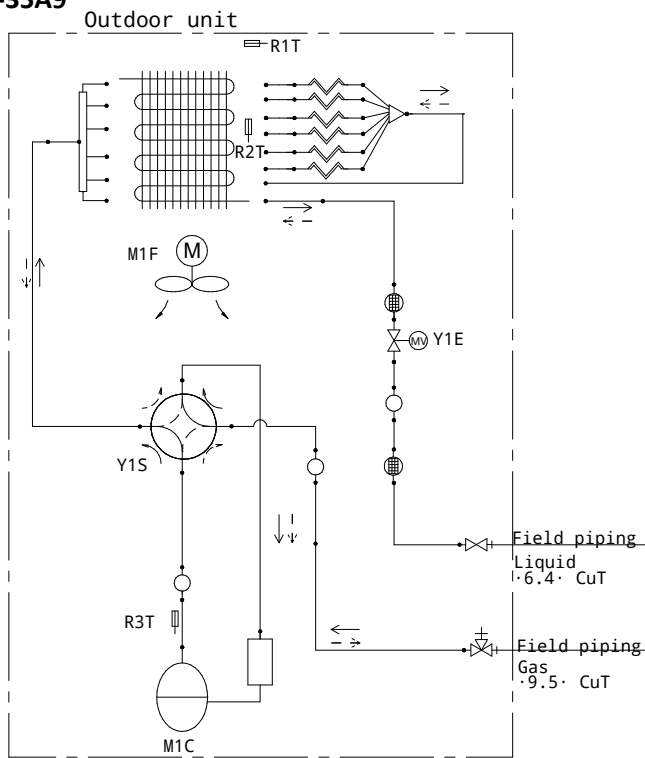
4D151953

7 Piping diagrams

7 - 1 Piping Diagrams

7

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



Legend

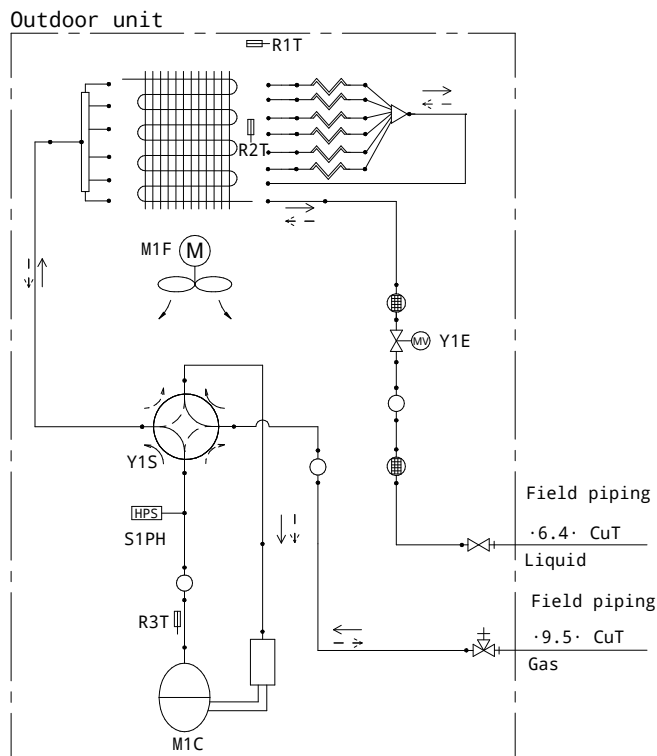
- Liquid stop valve
- Gas stop valve
- Muffler
- Muffler with filter
- Electronic expansion valve
- Refnet header
- Propeller fan
- Thermistor
- Capillary tube
- 4-way valve
- Accumulator
- Compressor
- Heat exchanger
- Distributor

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

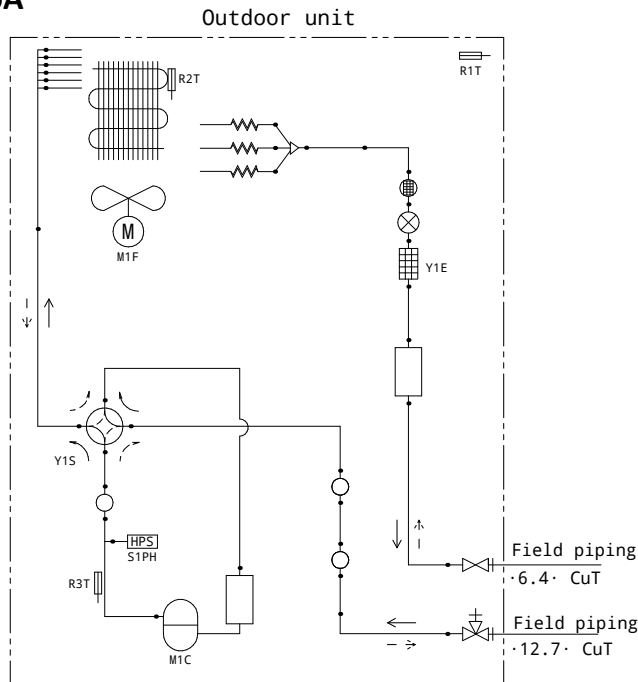
3D147621

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

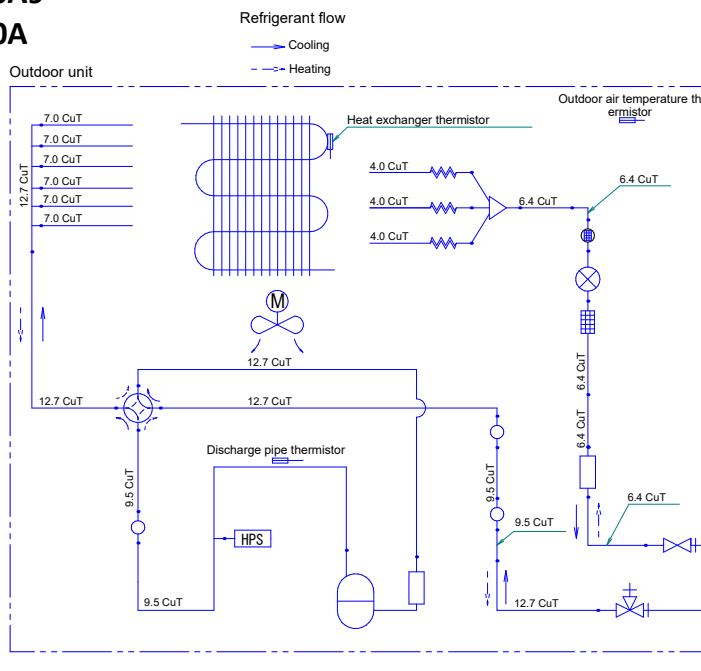
3D128943A

ARXM50A9

ARXM60A

RXM50A9

RXM60A



Legend

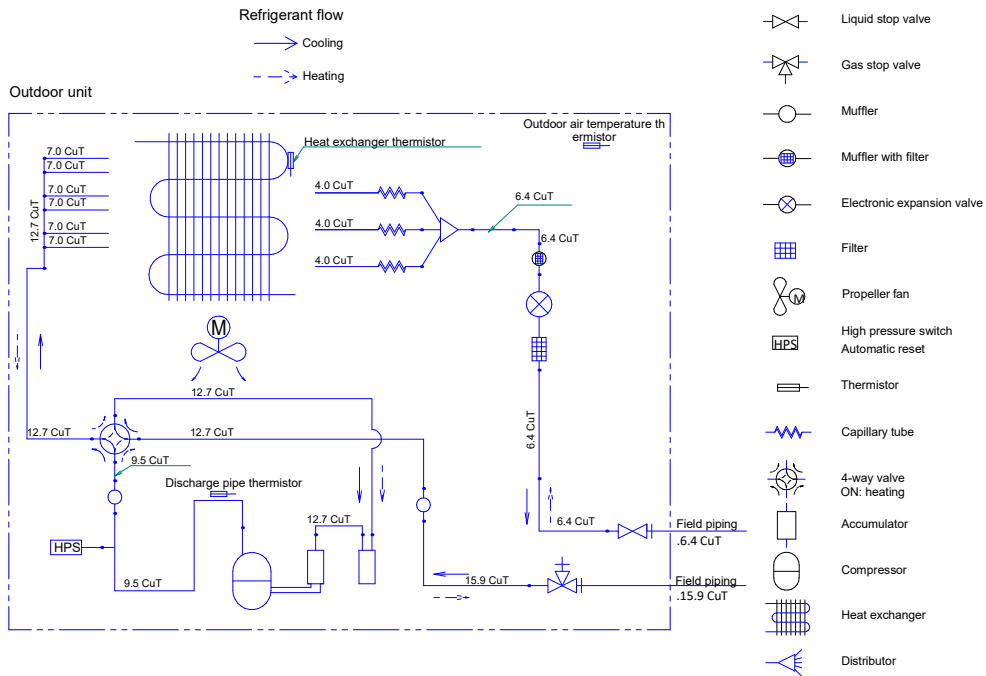
- Liquid stop valve
- Gas stop valve
- Muffler
- Muffler with filter
- Electronic expansion valve
- Filter
- Propeller fan
- High pressure switch Automatic reset
- Thermistor
- Capillary tube
- 4-way valve ON: heating
- Accumulator
- Compressor
- Heat exchanger
- Distributor

3D151341

7 Piping diagrams

7 - 1 Piping Diagrams

RXM71A



3D151225

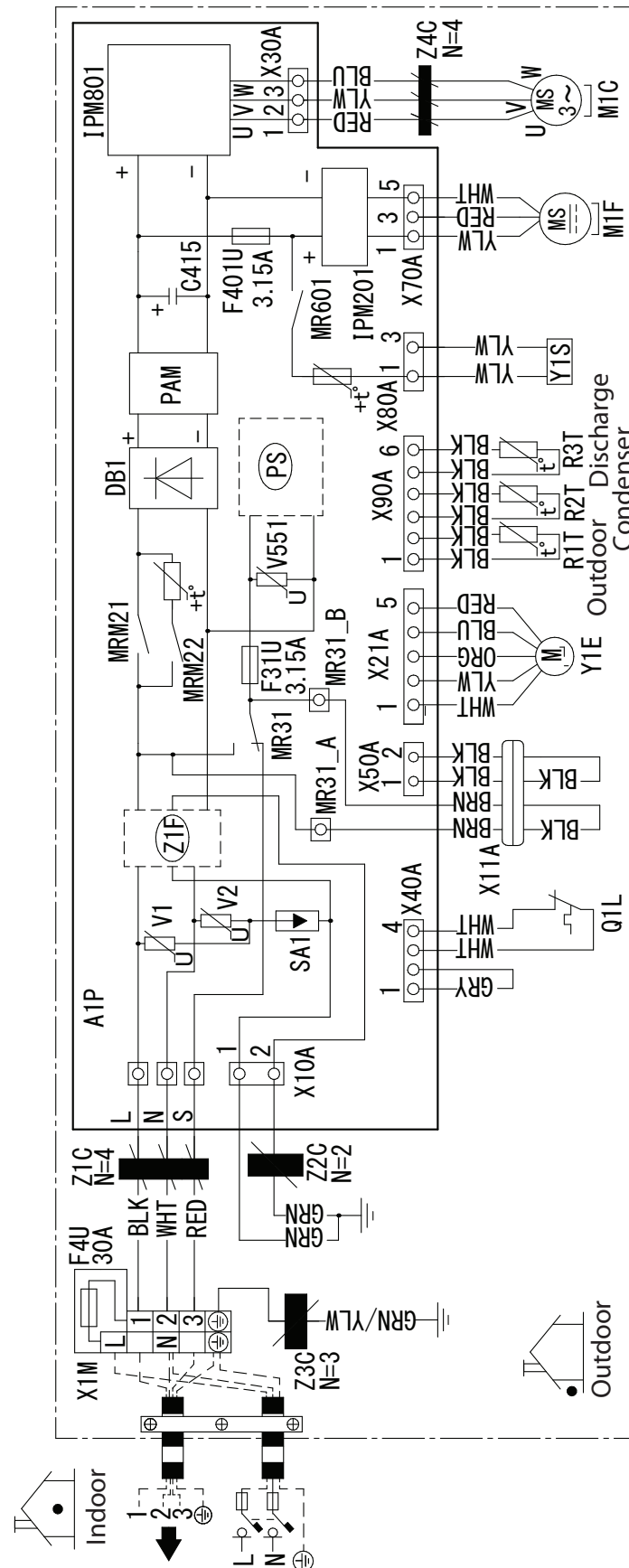
8 Wiring diagrams

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

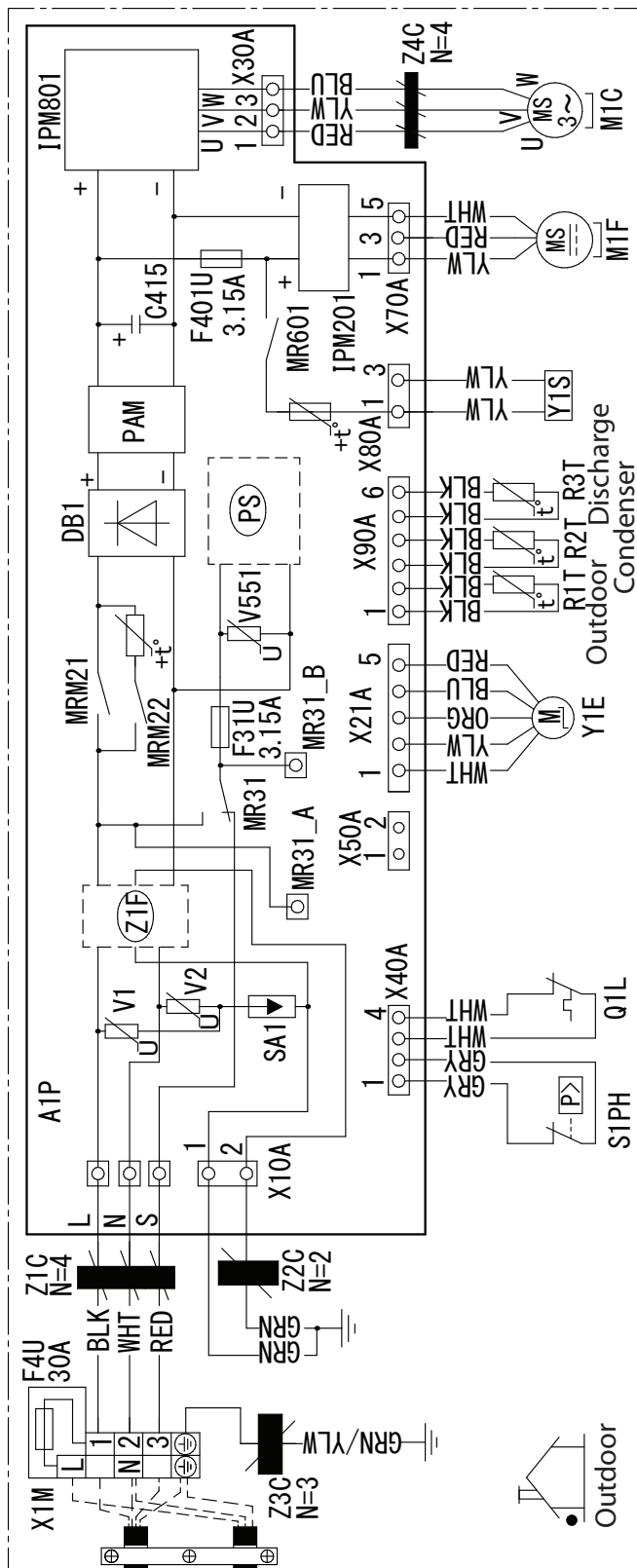
8 Wiring diagrams

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

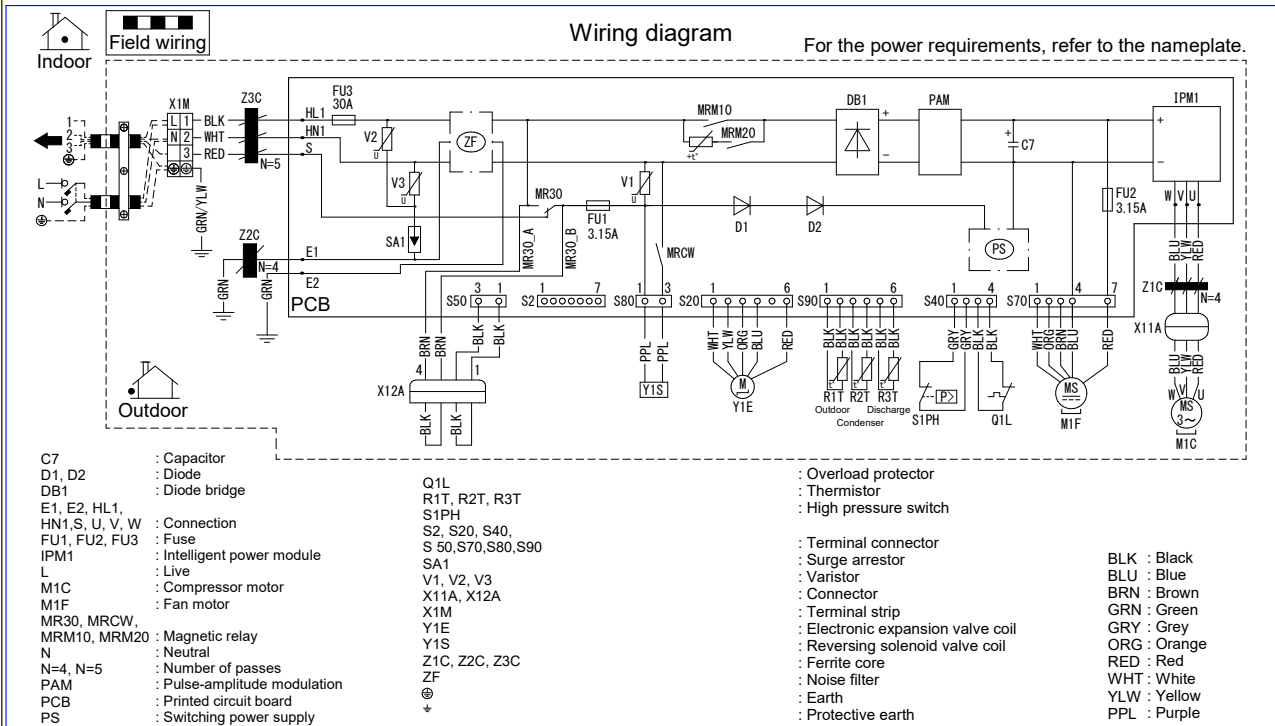
4D147370B

8 Wiring diagrams

8 - 1 Wiring Diagrams - Single Phase

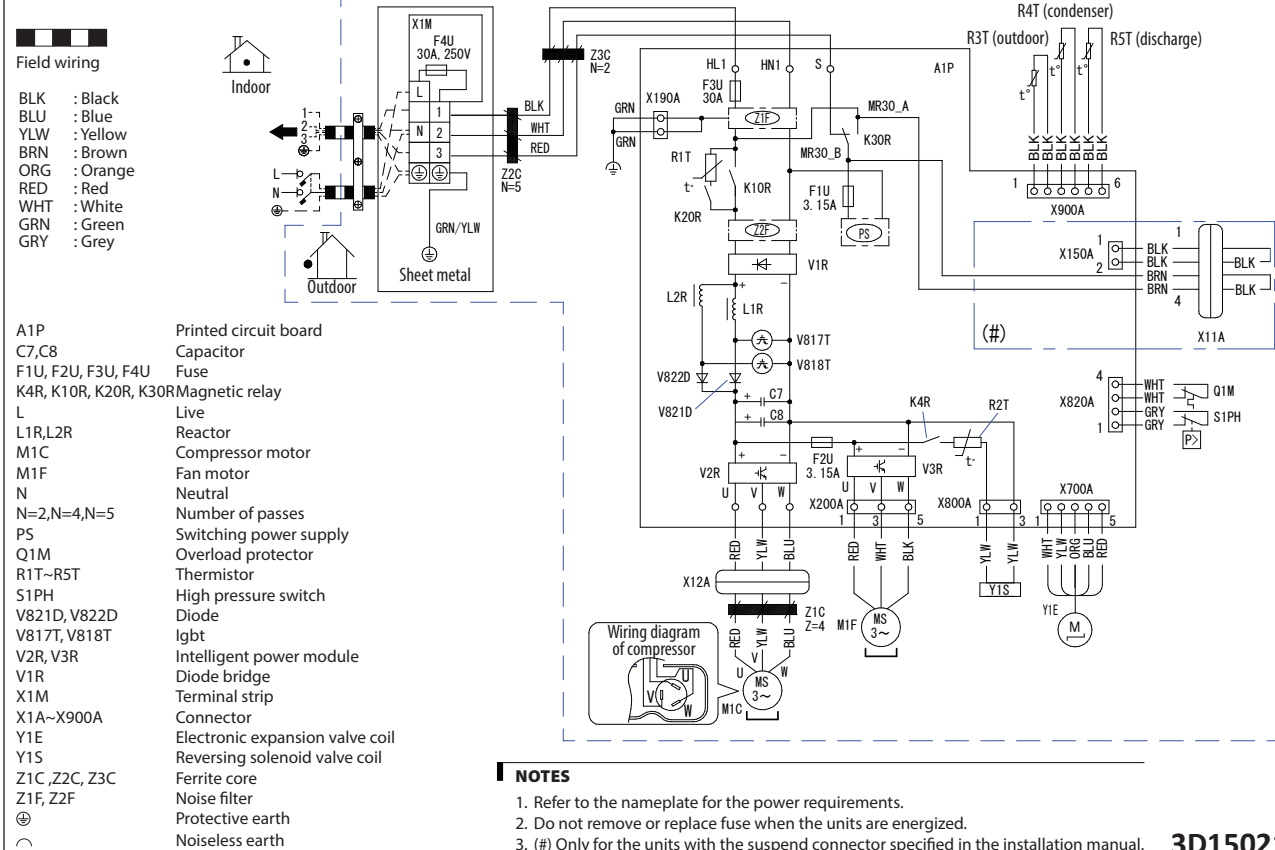
8

RXM50A



3D130906A

RXM60-71A



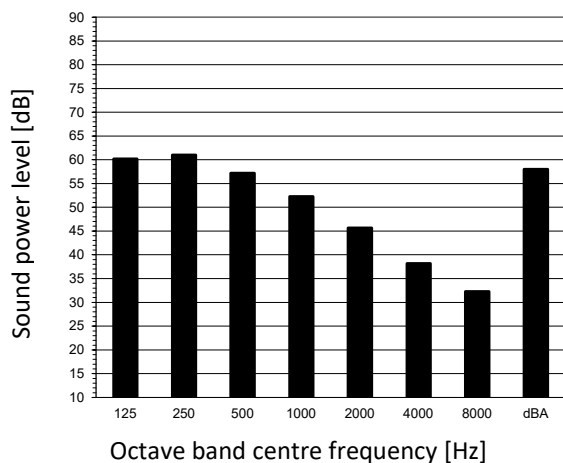
3D150217

9 Sound data

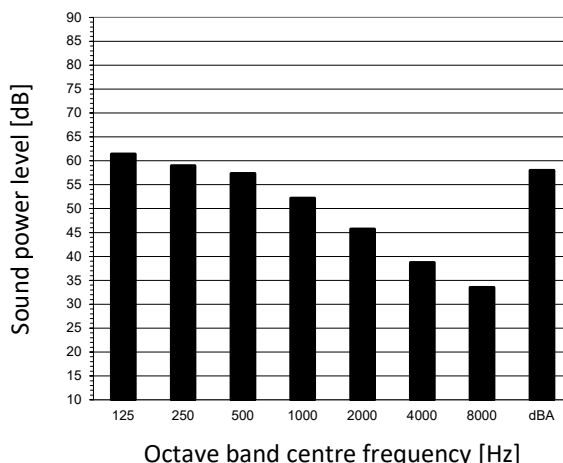
9 - 1 Sound Power Spectrum

RXM20A

Cooling



Heating



■ Fan speed: High

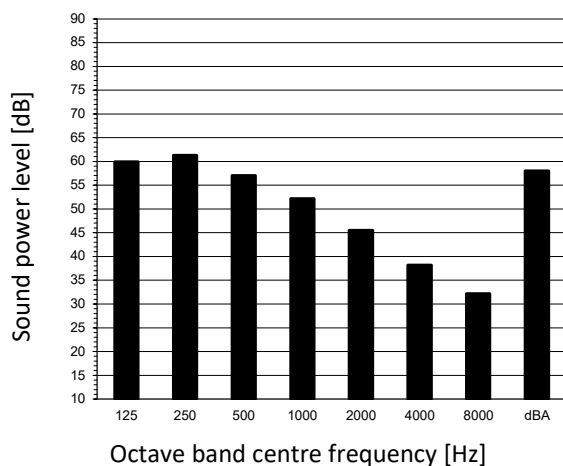
Notes

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

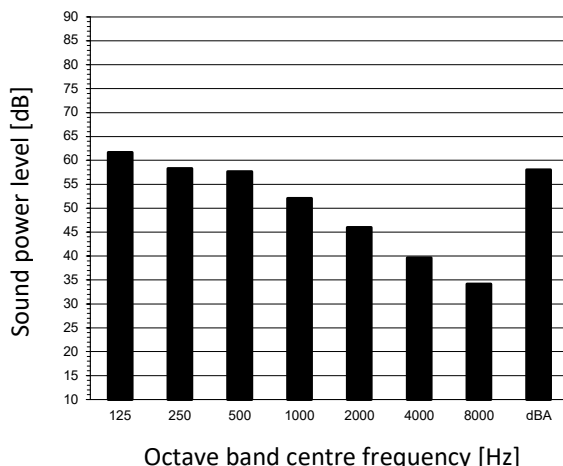
4D148770

RXM25A

Cooling



Heating



■ Fan speed: High

Notes

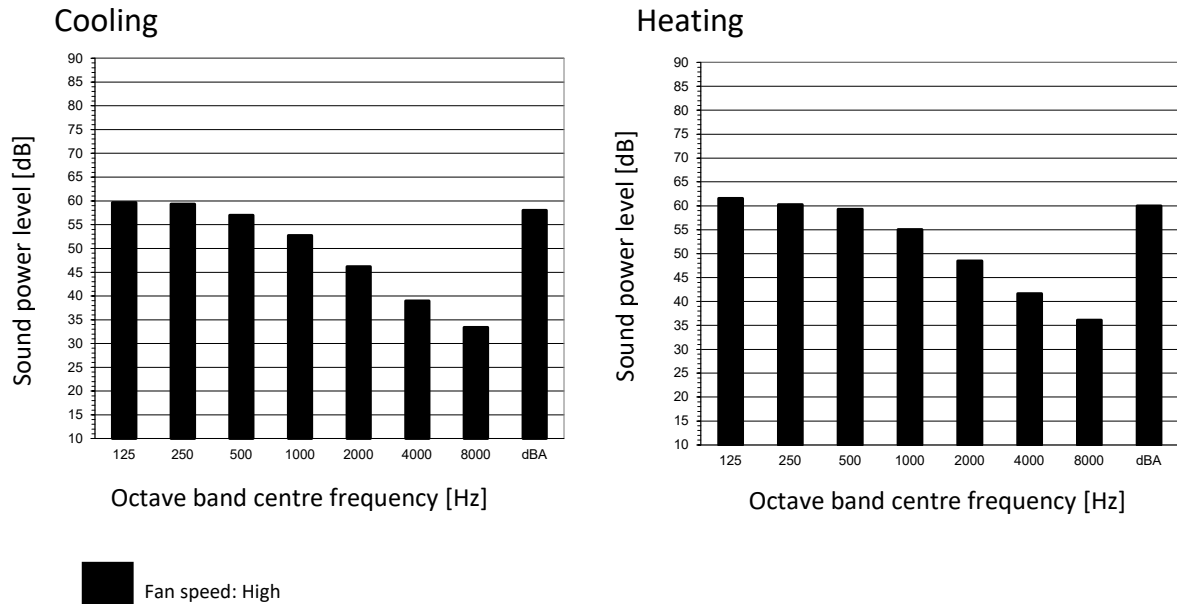
1. dBA = A-weighted sound power level (A scale according to IEC).
2. Reference acoustic intensity $0\text{ dB} = 10^{-12} \text{ W/m}^2$.
3. Measured according to ISO 3744

4D148790

9 Sound data

9 - 1 Sound Power Spectrum

RXM35A

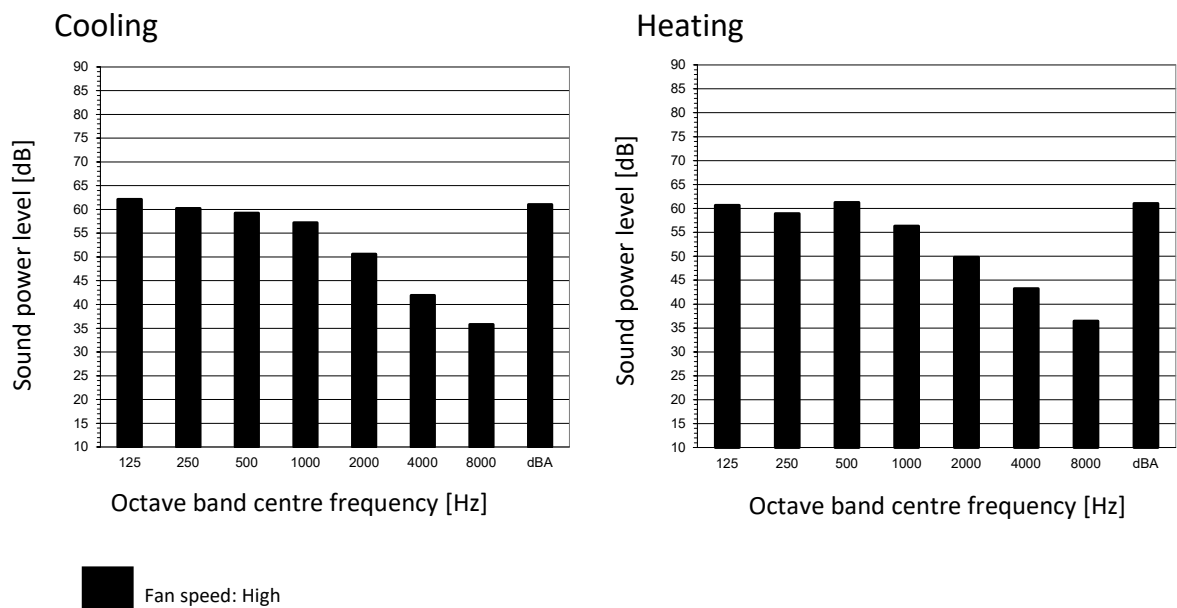


Notes

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

4D148795

RXM42A



Notes

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

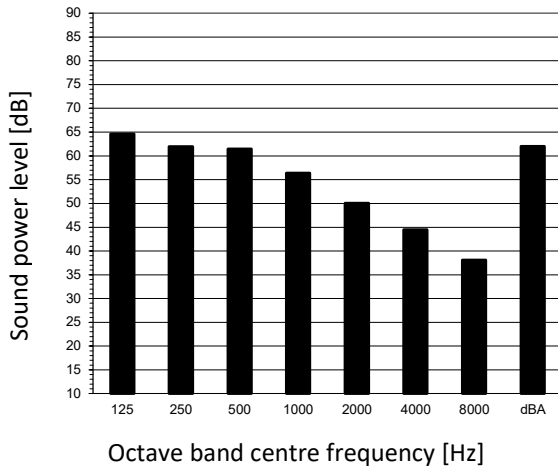
4D148793

9 Sound data

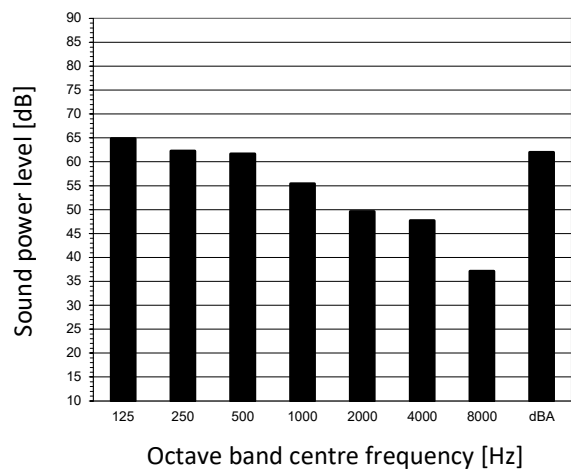
9 - 1 Sound Power Spectrum

RXM50A

Cooling



Heating



Fan speed: High

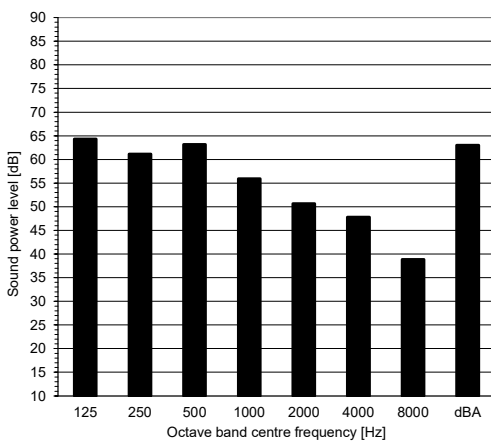
Notes

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

4D148792

RXM60A

Cooling mode

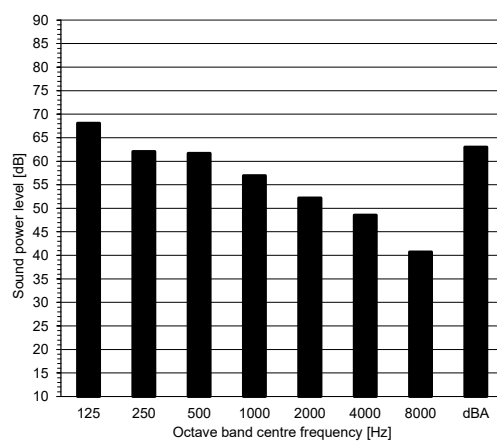


Fan speed: High

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

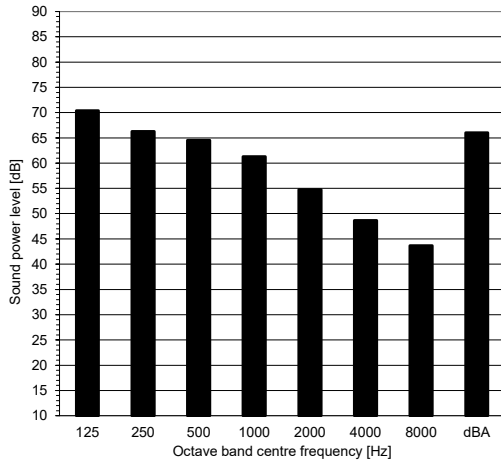
4D154644

9 Sound data

9 - 1 Sound Power Spectrum

RXM71A

Cooling mode

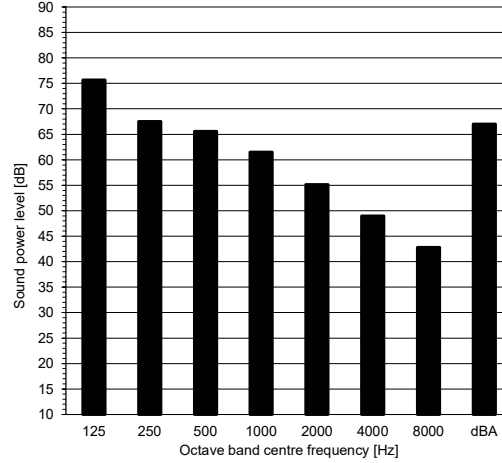


Fan speed: High

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



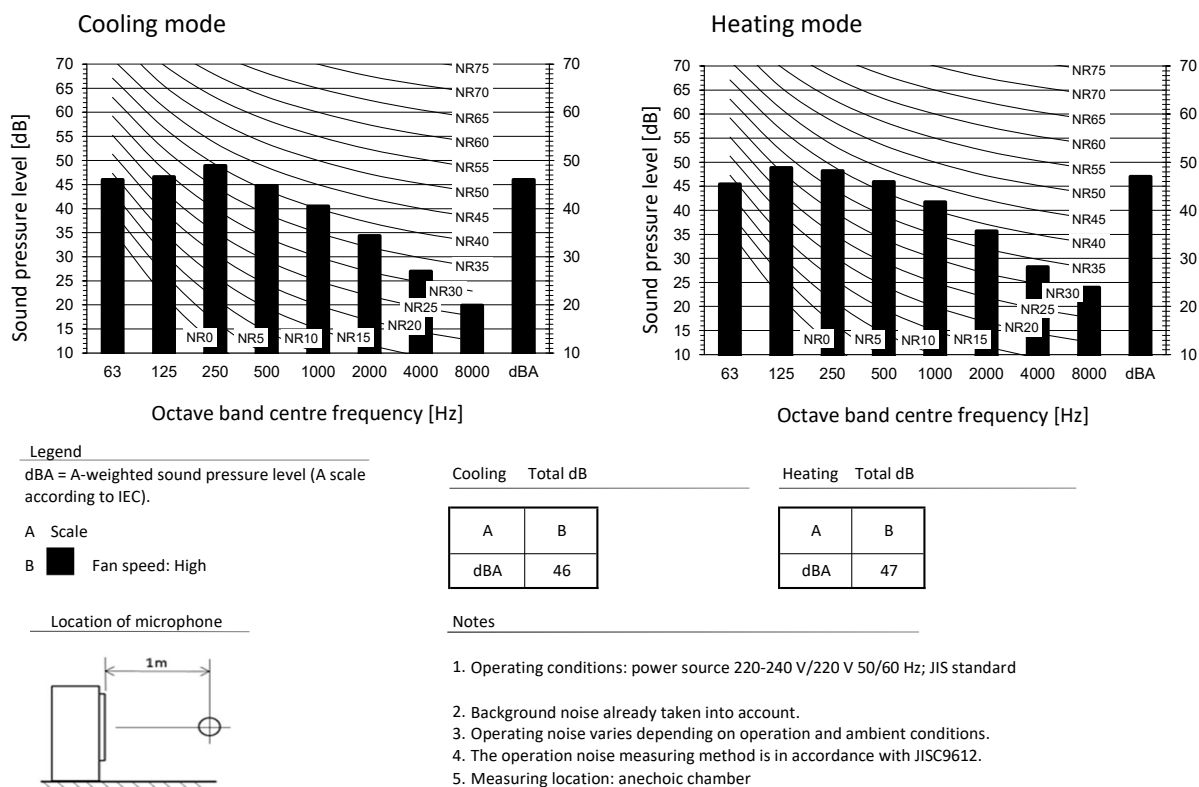
Fan speed: High

4D154647

9 Sound data

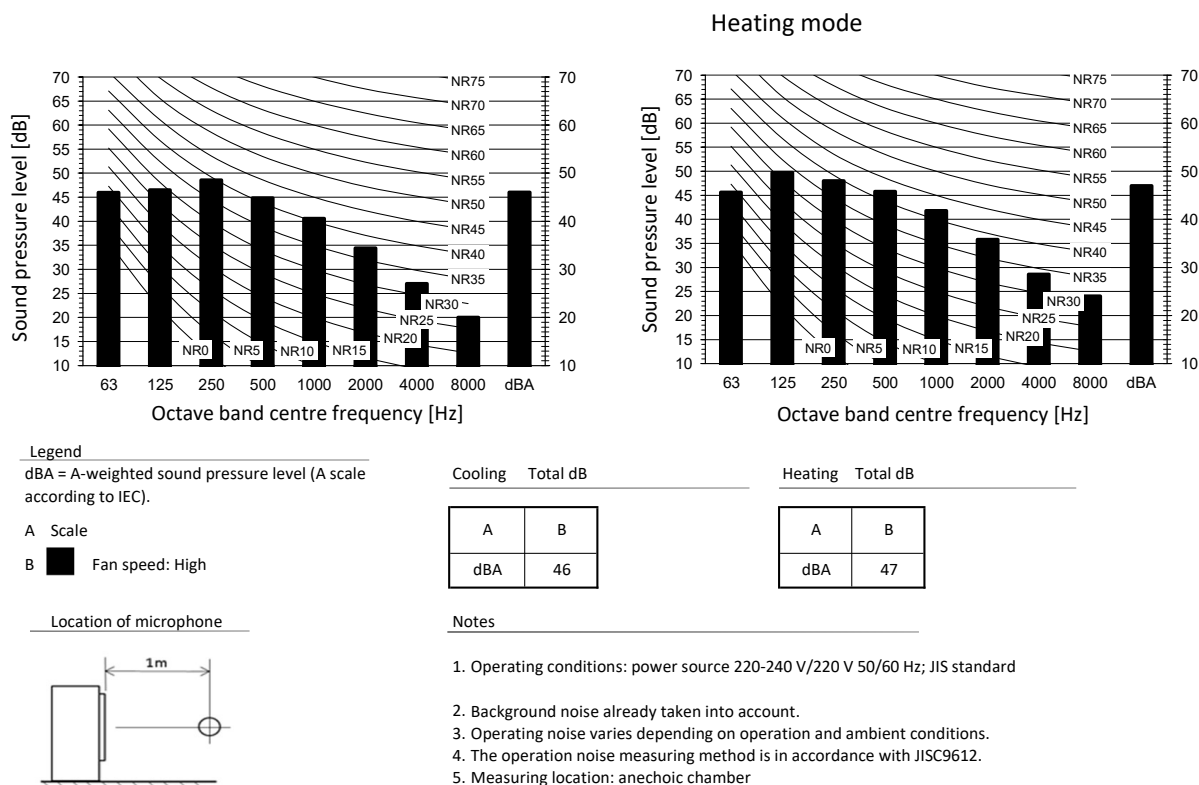
9 - 2 Sound Pressure Spectrum

RXM20A



4D148976

RXM25A Cooling mode



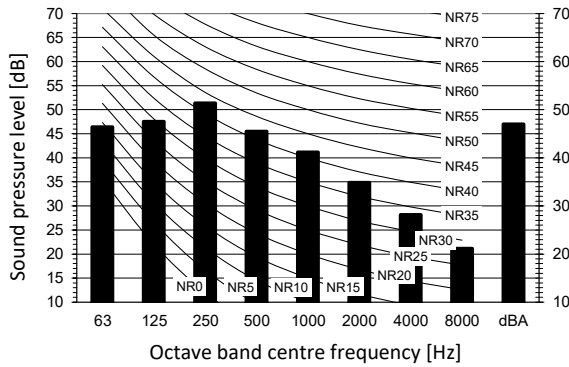
4D148977

9 Sound data

9 - 2 Sound Pressure Spectrum

RXM35A

Cooling mode



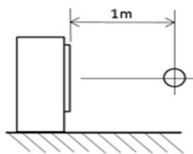
Legend

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

A Scale

B Fan speed: High

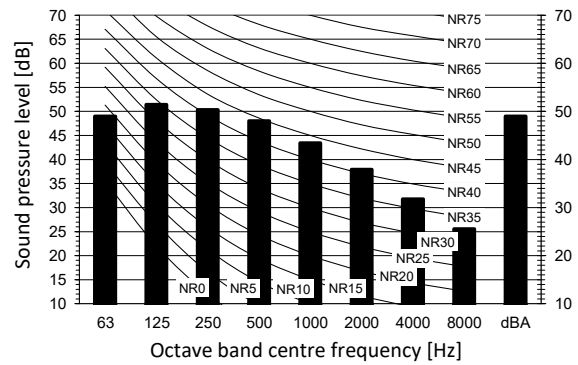
Location of microphone



Cooling Total dB

A	B
dBA	47

Heating mode



Heating Total dB

A	B
dBA	49

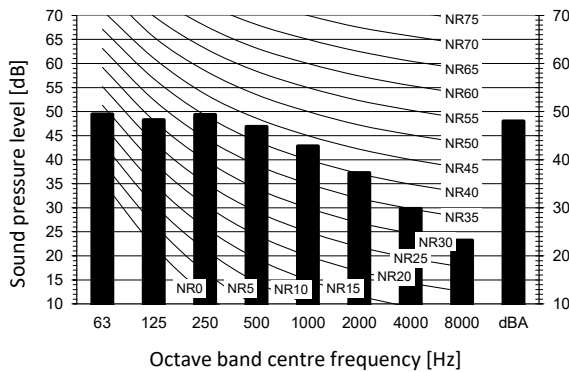
Notes

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



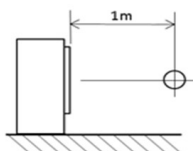
Legend

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

A Scale

B Fan speed: High

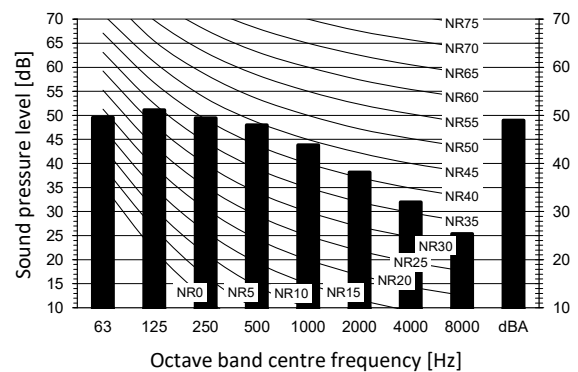
Location of microphone



Cooling Total dB

A	B
dBA	48

Heating mode



Heating Total dB

A	B
dBA	49

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

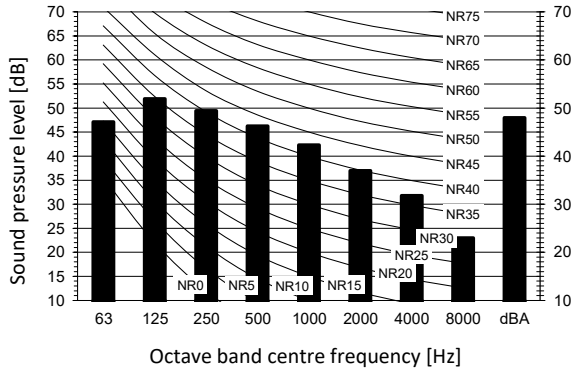
4D148979

9 Sound data

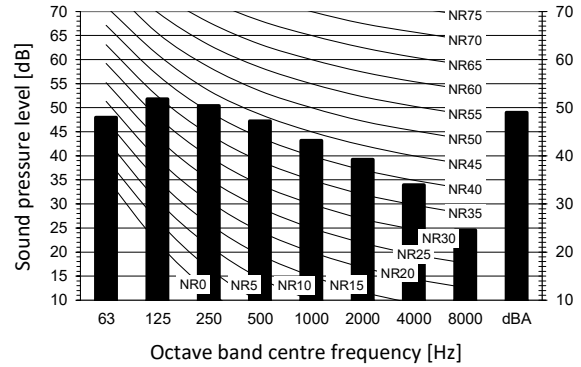
9 - 2 Sound Pressure Spectrum

RXM50A

Cooling mode



Heating mode



Legend

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

A Scale

B Fan speed: High

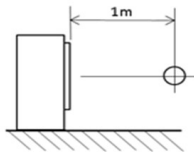
Cooling Total dB

A	B
dBA	48

Heating Total dB

A	B
dBA	49

Location of microphone



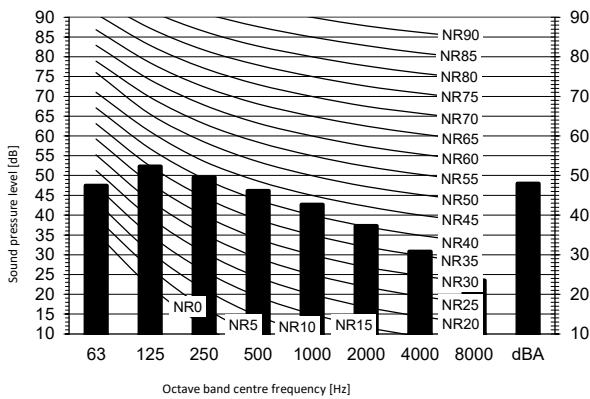
Notes

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

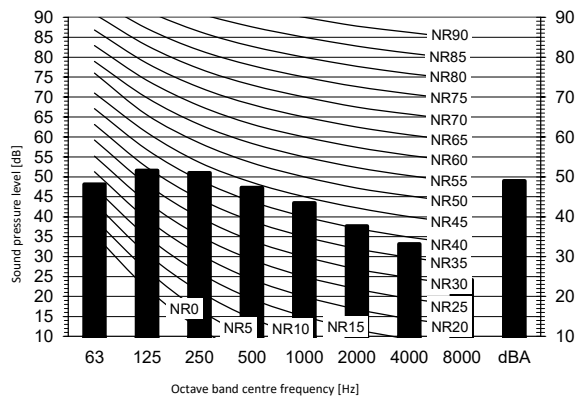
4D148980

RXM60A

Cooling mode



Heating mode



Legend

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

A Scale

B Fan speed: High

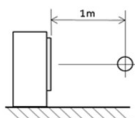
Cooling Total dB

A	B
dBA	48

Heating Total dB

A	B
dBA	49

Location of microphone



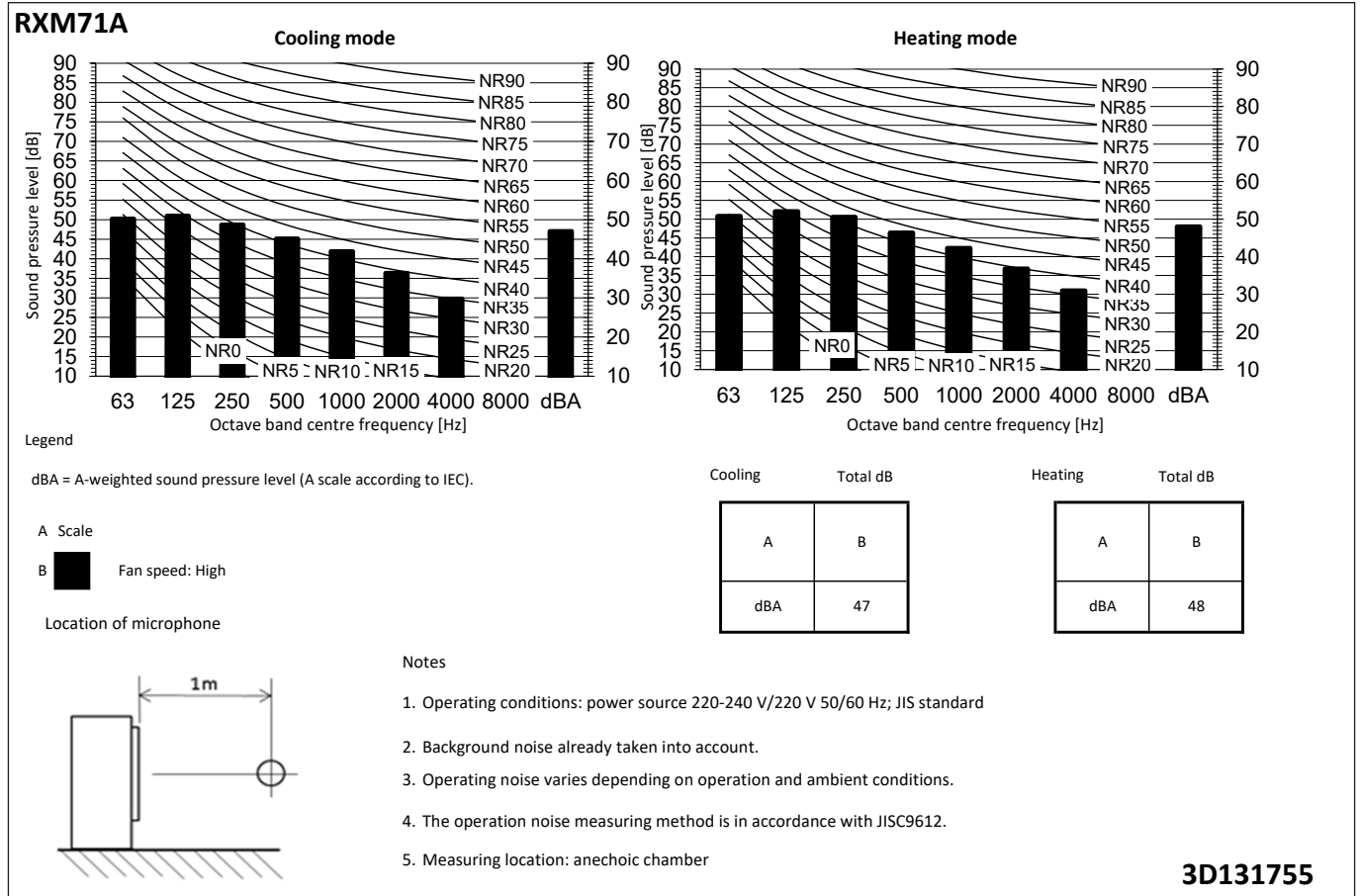
Notes

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

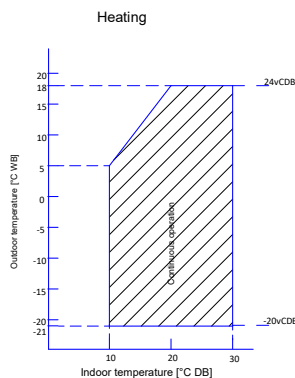
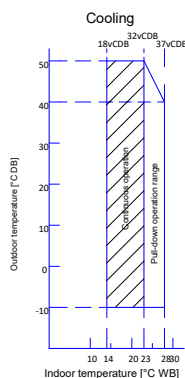


10 Operation range

10 - 1 Operation Range

10

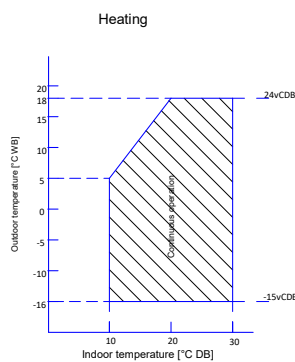
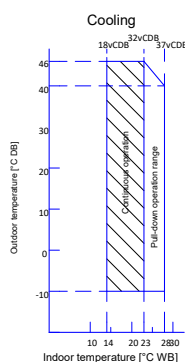
ARXM35A9
ARXM25-35A
RXM25-35A9
RXM20-42A



Notes

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

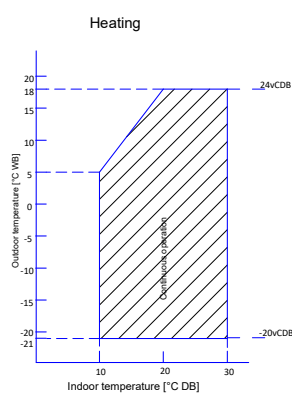
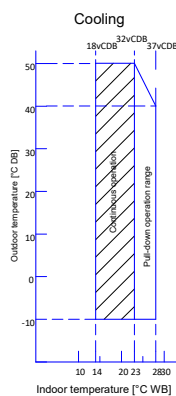
Only possible in combination with ATXM*A2V1B, ATXM*A5V1B, FTXM*A2V1B, FTXM*A5V1B, FVXM*B2V1B



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

3D148983C

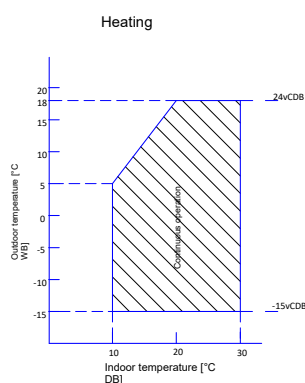
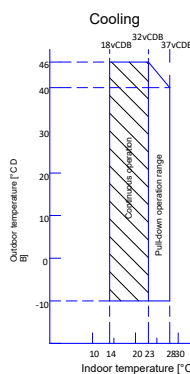
ARXM50A9
ARXM50A
RXM50A9
RXM50A



Notes

- 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



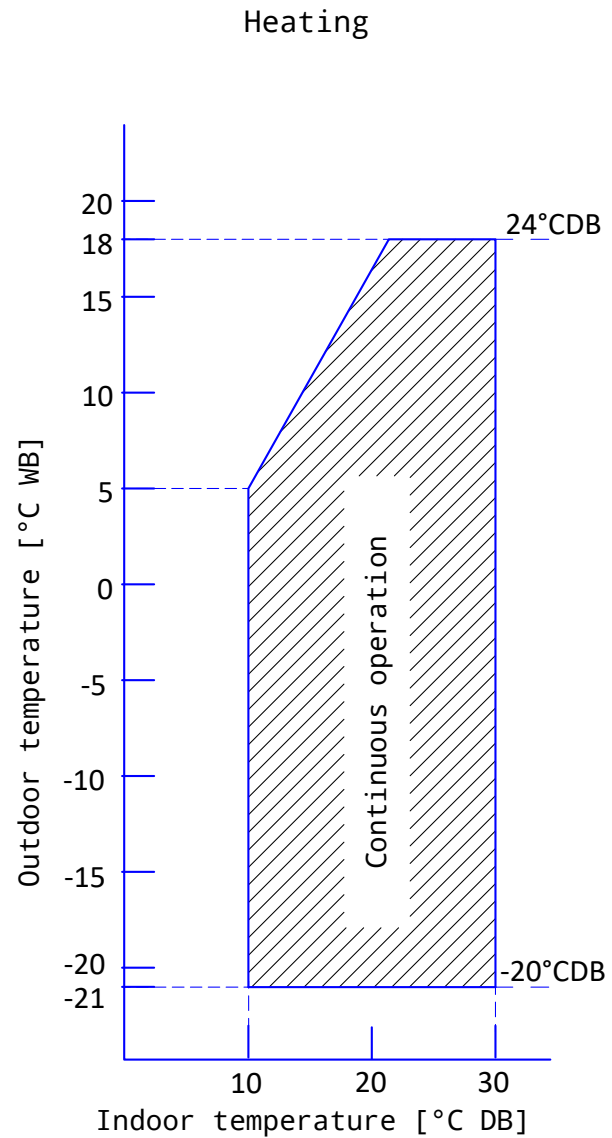
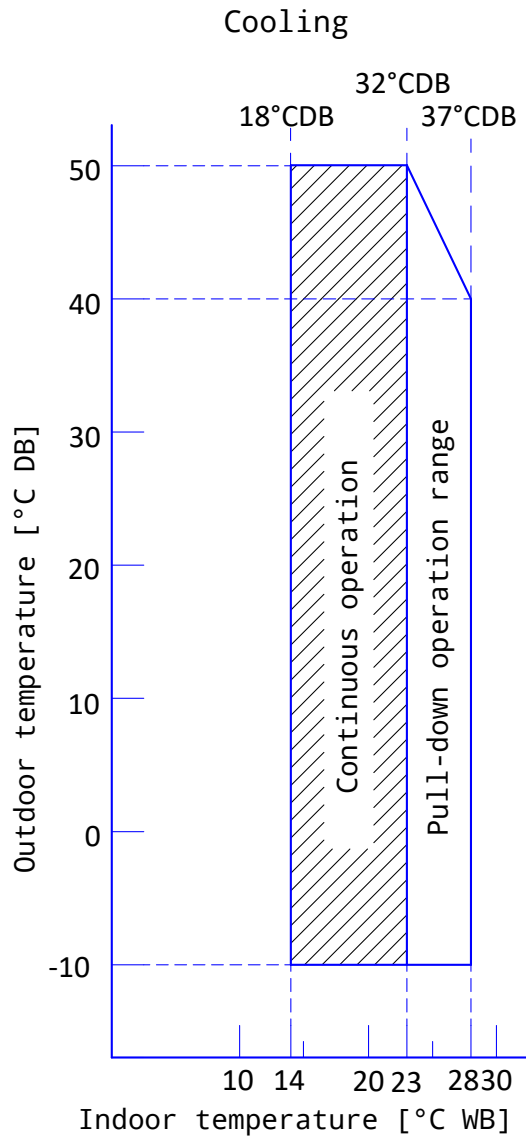
Only possible in combination with FCAG*BVEB, FFA*A2VEB9, FBA*A2VEB9, FHA*AVEB98, FHA*AVEB99, FDXM*F3V1B9, FNA*A2VEB9, ADEA*A2VEB, FVXM*A3V1B, FVXM*A3V1B9, FVXM*B2V1B

3D148981A

10 Operation range

10 - 1 Operation Range

RXM60A



Notes

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

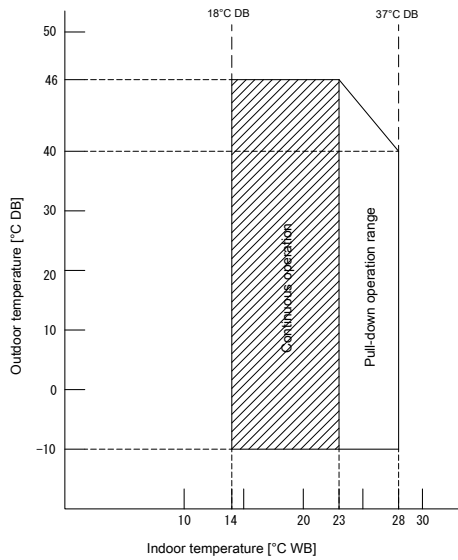
4D132631A

10 Operation range

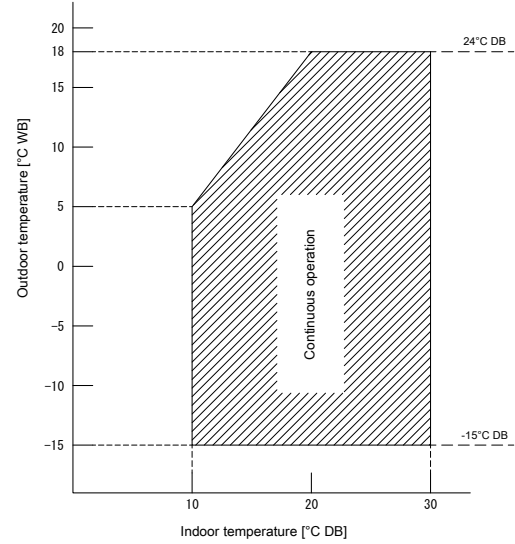
10 - 1 Operation Range

RXM71A

Cooling



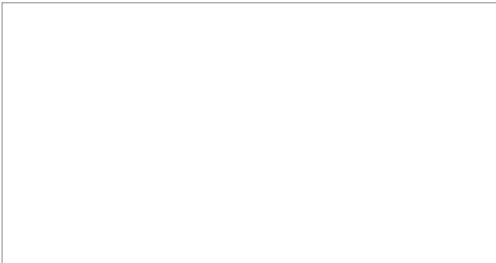
Heating



Notes

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

3D120207



EEDEN24A

11/2024



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