

Air Conditioning Technical Data RXM-R



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RXM-R

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1 Features

1 - 1 RXM-R

- › 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
- › Outdoor units are neat, sturdy and can easily be mounted on a roof or terrace or simply placed against an outside wall
- › Outdoor units are fitted with a swing compressor, renowned for its low noise and high energy efficiency
- › Outdoor units for pair application
- › Anti-corrosion treated outdoor heat exchanger fin

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Outdoor
unit silent
operation

2 Specifications

2 - 1 Specifications

Technical Specifications					RXM25R	RXM35R	RXM50R	RXM60R
Casing	Colour	Ivory white						
Dimensions	Unit	Height	mm		552		734	
		Width	mm		840		954	
		Depth	mm		350		401	
	Packed unit	Height	mm		612		820	
		Width	mm		906		1,050	
		Depth	mm		402		480	
Weight	Unit		kg		32		49.0	
	Packed unit		kg		34		53	
Packing	Weight		kg		-		4	
Heat exchanger	Length		mm		805		920	
	Rows	Quantity			2			
	Fin pitch		mm		1.4		1.40	
	Stages	Quantity			24		32	
	Passes	Quantity			3.0		2.0	
	Tube type				ø7 Hi-XD		7.0 Hi-XD	
	Fin	Type			Waffle fin (PE)			
	Type				Propeller fan			
	Air flow rate	Cooling	Nom.	m ³ /min	28.3	36.0	46.6	
Fan motor				cfm	999	1,271	1,645	
		Heating	Nom.	m ³ /min	28.3		44.1	
				cfm	999		1,557	
	Model				DFC05A3VA		D55F-31	
	Output			W	50		55	
	Speed	Cooling	High	rpm	860	920	760	
			Nom.	rpm	800	860	740	
			Low	rpm	400		640	
		Heating	High	rpm	860		720	
			Nom.	rpm	800		720	
			Low	rpm	400		660	
Compressor	Model				1YC25GXD#C		2YC40JXD#C	
	Oil Amount			cm ³	375		650	
	Type				Hermetically sealed swing compressor			
	Output			W	800		1,300.0	
	Oil Type				FW68DA			
Operation range	Cooling	Ambient	Min.	°CDB	-10			
Operation range	Cooling	Ambient	Max.	°CDB	50 (1) / 46 (2)		50 (4) / 46 (5)	
			Min.	°CWB	-15		-21	
	Heating	Ambient		°CDB	-20 (1) / -15 (2)		-20 (4) / -15 (5)	
			Max.	°CWB			18	
				°CDB			24	
Sound power level	Heating	Nom.		dBA	-		62.0	63.0
Sound pressure level	Cooling	Nom.		dBA	46	49	48.0	
	Heating	Nom.		dBA	47	49	49.0	
Refrigerant	Type				R-32			
	Charge		kg		0.76		1.15	
	Charge		TCO2Eq		0.52		-	
	Control				Expansion valve			
	GWP				675		675.0	
Piping connections	Liquid	OD	mm		6			
	Gas	OD	mm		9.50		12.7	
	Drain	OD	mm		18		16	
	Piping length	OU - IU	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		20.0	
	Heat insulation				Both liquid and gas pipes			
	Method				Variable (inverter)			

Technical Specifications					RXM25R	RXM35R	RXM50R	RXM60R	RXM20R	RXM42R	RXM71R
Casing	Colour	Ivory white									
Dimensions	Unit	Height	mm		552		734	552		734	
		Width	mm		840		954	840		954	
		Depth	mm		350		401	350		401	
	Packed unit	Height	mm		612		820	612		820	
		Width	mm		906		1,050	906		1,050	
		Depth	mm		402		480	402		480	
Weight	Unit		kg		32		49.0	32		49.0	55
	Packed unit		kg		34		53	34		53	60
Packing	Weight		kg		-		4	-		4	5

2 Specifications

2 - 1 Specifications

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Technical Specifications					RXM25R		RXM35R		RXM50R		RXM60R		RXM20R		RXM42R		RXM71R		
Heat exchanger	Length		mm		805				920				805				920		
	Rows	Quantity			2														
	Fin pitch		mm		1.4				1.40				1.4				1.40		
	Stages	Quantity			24				32				24				32		
	Passes	Quantity			3.0				2.0				3.0				2.0		
	Tube type				ø7 Hi-XD				7.0 Hi-XD				ø7 Hi-XD		7.0 Hi-XD		ø7 Hi-XD		
	Fin		Type			Waffle fin (PE)													
Fan	Type		Propeller fan																
	Air flow rate	Cooling	Nom.	m³/min	28.3	36.0		46.6				36.0		46.6		-			
					cfm	999	1,271		1,645		1,271		1,645		1,730				
		Heating	Nom.	m³/min	28.3		44.1		28.3		44.1		-						
					cfm	999	1,557		999		1,557		1,632						
			Medium	m³/min	-														
					cfm	46.2													
Fan motor	Model				DFC05A3VA				D55F-31				DFC05A3VA		D55F-31		D90B-37		
	Output		W		50				55				50		55		128		
	Speed	Cooling	High	rpm	860	920		760		920		760		880					
			Nom.	rpm	800	860		740		800		740		780					
			Low	rpm	400		640		400		640		700						
		Heating	High	rpm	860		720		860		720		780						
			Nom.	rpm	800		720		800		690		740						
Low			rpm	400		660		400		500		680							
Compressor	Model				1YC25GXD#C				2YC40JXD#C				1YC25GXD#C		2YC40JXD#C		2YC71DXD#C		
	Oil Amount		cm³		375				650				375		650		900		
	Type		Hermetically sealed swing compressor																
	Output		W		800				1,300.0				800		1,300.0		2,400.0		
Compressor	Oil Type		FW68DA																
Operation range	Cooling	Ambient	Min.	°CDB	-10														
			Max.	°CDB	50 (1) / 46 (2)		50 (4) / 46 (5)		50 (1) / 46 (2)		50 (4) / 46 (5)		46						
	Heating	Ambient	Min.	°CWB	-15		-21		-15		-21		-15						
			°CDB	-20 (1) / -15 (2)		-20 (4) / -15 (5)		-20 (1) / -15 (2)		-20 (4) / -15 (5)		-15							
		Max.	°CWB	18															
				°CDB	24														
Sound power level	Heating	Nom.	dBA		-		62.0		63.0		-		62.0		67.0				
Sound pressure level	Cooling	Nom.	dBA		46	49		48.0		46		48.0		47.0					
	Heating	Nom.	dBA		47	49		49.0		47		48.0							
Refrigerant	Type		R-32																
	Charge	kg		0.76		1.15		0.76		1.10		1.15							
	Charge	TCO2Eq		0.52		-		0.52		-									
	Control		Expansion valve																
	GWP			675		675.0		675		675.0									
Piping connections	Liquid	OD	mm		6														
	Gas	OD	mm		9.50		12.7		9.50		15.9								
	Drain	OD	mm		18		16		18		16		18						
	Piping length	OU - IU	Max.	m	20		30		20		30								
	Additional refrigerant charge	System	Chargeless	m	10														
	Level difference	IU - OU	Max.	m	15		20.0		15		20.0								
	Heat insulation		Both liquid and gas pipes																
	Capacity control	Method		Variable (inverter)															

Standard accessories: Drain plug;Quantity: 1;

Standard accessories: Installation manual;Quantity: 1;

Standard accessories: Refrigerant charge label;Quantity: 1;

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

Standard accessories: Drain cap (1);Quantity: 6;

Standard accessories: Drain cap (2);Quantity: 3;

Electrical Specifications				RXM25R	RXM35R	RXM50R	RXM60R
Power supply	Phase			1~			
	Frequency Hz			50			
	Voltage V			220-240			
Wiring connections	For power supply	Quantity		3			
		Remark		Earth wire included			
	For connection with indoor	Quantity		4			
		Remark		Earth wire included			
Current - 50Hz	Maximum fuse amps (MFA) A			13		16	

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Electrical Specifications			RXM25R	RXM35R	RXM50R	RXM60R	RXM20R	RXM42R	RXM71R
Power supply	Phase		1~						
	Frequency	Hz	50						
	Voltage	V	220-240						
Wiring connections	For power supply	Quantity	3						
		Remark	Earth wire included						
	For connection with indoor	Quantity	4						
		Remark	Earth wire included						
Current - 50Hz	Maximum fuse amps (MFA)	A	13		16		10	13	20

(1) Only possible in combination with CTXM*N2V1B, ATXM*N2V1B, FTXM*N2V1B |

(2) Only possible in combination with CTXM*M2V1B, ATXM*M2V1B, FTXM*M2V1B, FVXM*FV1B, FCAG*AVEB, FFA*A2VEB9, FBA*A2VEB9, FHA*AVEB9, FDXM*F3V1B9, FNA*A2VEB9, ADEA*A2VEB- |

See separate drawing for operation range |

See separate drawing for electrical data |

Contains fluorinated greenhouse gases

Technical specifications			FDXM25F9 + RXM25R	FDXM35F9 + RXM35R	FDXM50F9 + RXM50R	FDXM60F9 + RXM60R
Cooling capacity	Min.	kW	1.30	1.40	1.70	
	Min.	Btu/h	4,435	4,800	5,800	
	Min.	kcal/h	1,117	1,204	1,462	
	Nom.	kW	2.40	3.40	5.00	6.00
	Nom.	Btu/h	8,189	11,600	17,100	20,500
	Nom.	kcal/h	2,064	2,923	4,299	5,159
	Max.	kW	3.00	3.80	5.30	6.50
	Max.	Btu/h	10,236	13,000	18,100	22,200
	Max.	kcal/h	2,579	3,267	4,557	5,589
Heating capacity	Min.	kW	1.30	1.40	1.70	
	Min.	Btu/h	4,435	4,800	5,800	
	Min.	kcal/h	1,117	1,200	1,500	
	Nom.	kW	3.20	4.00	5.80	7.00
	Nom.	Btu/h	10,919	13,600	19,800	23,900
	Nom.	kcal/h	2,752	3,439	4,987	6,019
	Max.	kW	4.50	5.00	6.00	7.10
	Max.	Btu/h	15,354	17,100	20,500	24,200
	Max.	kcal/h	3,869	4,299	5,159	6,105
Power input	Cooling	Nom. kW	0.64	1.14	1.63	2.05
	Heating	Nom. kW	0.80	1.15	1.87	2.18
Nominal efficiency	EER		3.77	2.98	3.06	2.93
	COP		4.00	3.48	3.10	3.21
	Annual energy consumption	kWh	318	570	817	1,024
	Energy labeling	Cooling	A	C	B	C
	Directive	Heating	A	B	D	C
Space cooling	Energy efficiency class		A+	A	A+	A
	Capacity	Pdesign kW	2.40	3.40	5.00	6.00
	SEER		5.68	5.26	5.77	5.56
	Annual energy consumption	kWh/a	148	226	303	378
Space heating (Average climate)	Energy efficiency class		A+		A	
	Capacity	Pdesign kW	2.60	2.90	4.00	4.60
	SCOP/A		4.24	3.88	3.93	3.80
	SCOPnet/A		4.27	3.91	3.95	3.83
	Pdh Heating capacity at -10°	kW	2.16	2.41	3.54	3.94
	Annual energy consumption	kWh/a	858	1,046	1,424	1,693
	Required back up heating cap at design conditions	kW	0.44	0.49	0.46	0.66
	Energy efficiency class		A+++	A++		A+
Space heating (Warm climate)	Capacity	Pdesignh kW	1.40	1.57	2.16	2.48
	SCOP		5.38	4.88	4.41	4.47
	SCOPnet		5.46	4.95	4.46	4.51
	Annual energy consumption	kWh/a	365	450	685	777
	Required back up heating cap at design conditions	kW			0.00	
	Energy efficiency class					
Space cooling	A Condition	Pdc kW	2.40	3.40	5.00	6.00
	(35°C - 27/19)	EERd	3.77	2.98	3.06	2.93
		Power input	0.64	1.14	1.63	2.05
	B Condition	Pdc kW	1.76	2.50	3.69	4.43
	(30°C - 27/19)	EERd	5.38	4.08	4.96	4.64
		Power input	0.33	0.61	0.74	0.95
	C Condition	Pdc kW	1.27	1.61	2.37	2.85
	(25°C - 27/19)	EERd	8.92	8.05	8.21	6.96
		Power input	0.14	0.20	0.29	0.41
	D Condition	Pdc kW	1.31	1.46		2.26
	(20°C - 27/19)	EERd	10.90	9.65	9.47	10.44
		Power input	0.12	0.15	0.24	0.22

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Technical specifications					FDXM25F9 + RXM25R	FDXM35F9 + RXM35R	FDXM50F9 + RXM50R	FDXM60F9 + RXM60R	
Space heating (Average climate)	TOL	Tol (temperature operating limit)			°C	-15			
		Pdh (declared heating cap)			kW	1.93	2.15	3.54	3.72
		COPd (declared COP)				2.20	2.01	1.89	1.91
		Power input			kW	0.88	1.07	1.87	1.95
	TBivalent	Tbiv (bivalent temperature)			°C	-7			
		Pdh (declared heating cap)			kW	2.30	2.57	3.54	4.07
		COPd (declared COP)				2.81	2.60	2.87	2.58
		Power input			kW	0.82	0.99	1.23	1.58
	A Condition (-7°C)	Pdh (declared heating cap)			kW	2.30	2.57	3.54	4.07
		COPd (declared COP)				2.81	2.60	2.87	2.58
		Power input			kW	0.82	0.99	1.23	1.58
	B Condition (2°C)	Pdh (declared heating cap)			kW	1.40	1.57	2.16	2.48
		COPd (declared COP)				4.21	3.84	4.10	3.92
		Power input			kW	0.33	0.41	0.53	0.63
	C Condition (7°C)	Pdh (declared heating cap)			kW	1.00	1.02	1.62	
		COPd (declared COP)				5.54	4.94	4.56	4.52
		Power input			kW	0.18	0.21	0.36	
	D Condition (12°C)	Pdh (declared heating cap)			kW	1.17	1.19	1.92	
		COPd (declared COP)				6.84	6.08	5.49	5.46
Space heating (Average climate)	D Condition (12°C)	Power input			kW	0.17	0.20	0.35	
Power consumption in other than active mode	Crankcase heater mode	Cooling	PCK	kW	-	0.000	-		
		Heating	PCK	kW	-	0.000	-		
	Off mode	Cooling	POFF	kW	14.0	0.014	-		
		Heating	POFF	kW	14.0	0.014	-		
	Standby mode	Cooling	PSB	kW	14.0	0.014	-		
		Heating	PSB	kW	14.0	0.014	-		
	Thermo-stat-off mode	Cooling	PTO	kW	7.0	0.007	-		
		Heating	PTO	kW	7.0	0.007	-		
Space heating (Warm climate)	TOL	Tol (temperature operating limit)			°C	-15			
		Pdh (declared heating cap)			kW	1.93	2.15	3.54	3.72
		COPd (declared COP)				2.20	2.01	1.89	1.91
		Power input			kW	0.88	1.07	1.87	1.95
	TBivalent	Tbiv (bivalent temperature)			°C	2			
		Pdh (declared heating cap)			kW	1.40	1.57	2.16	2.48
		COPd (declared COP)				4.21	3.84	4.10	3.92
		Power input			kW	0.33	0.41	0.53	0.63
	B Condition (2°C)	Pdh (declared heating cap)			kW	1.40	1.57	2.16	2.48
		COPd (declared COP)				4.21	3.84	4.10	3.92
		Power input			kW	0.33	0.41	0.53	0.63
	C Condition (7°C)	Pdh (declared heating cap)			kW	1.00	1.02	1.62	
		COPd (declared COP)				5.54	4.94	4.56	4.52
		Power input			kW	0.18	0.21	0.36	
	D Condition (12°C)	Pdh (declared heating cap)			kW	1.17	1.19	1.92	
		COPd (declared COP)				6.84	6.08	5.49	5.46
		Power input			kW	0.17	0.20	0.35	
Power consumption in other than active mode	Thermo-stat-off mode	PTO	Heating	W	-	9			
			Cooling	W	-	9			
	Standby mode	Cooling	PSB	W	-	15			
		Heating	PSB	W	-	15			
	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				
Ecolabel logo					No	-			
Eurovent	Sound power level outdoor	Cooling	Nom.	dB(A)	59	61	62	63	
		Heating	Nom.	dB(A)	53		55	56	
	Piping length	Cooling	Measuring condition	m	5.0	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

2 Specifications

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Technical specifications				FFA25A9 + RXM25R	FFA35A9 + RXM35R	FFA50A9 + RXM50R	FFA60A9 + RXM60R	
Cooling capacity	Nom.		kW	2.50	3.40	5.00	5.70	
	Nom.		Btu/h	8,530	11,600	17,100	19,400	
	Nom.		kcal/h	2,150	2,923	4,299	4,884	
Heating capacity	Nom.		kW	3.20	4.20	5.80	7.00	
	Nom.		Btu/h	10,919	14,300	19,800	23,900	
	Nom.		kcal/h	2,752	3,611	4,987	6,019	
Power input	Cooling	Nom.	kW	0.55	0.89	1.54	1.86	
	Heating	Nom.	kW	0.82	1.20	1.66	2.05	
Nominal efficiency	EER			4.57	3.81	3.24	3.05	
	COP			3.90	3.50	3.49	3.41	
	Annual energy consumption		kWh	273	446	772	931	
	Energy labeling	Cooling Heating Directive		A		B		
Space cooling	Energy efficiency class			A++		A+		
	Capacity	Pdesign	kW	2.50	3.40	5.00	5.70	
	SEER			6.17	6.38	5.98	5.76	
	Annual energy consumption		kWh/a	142	186	293	346	
Space heating (Average climate)	Energy efficiency class			A+		A		
	Capacity	Pdesign	kW	2.31	3.10	3.84	3.96	
	SCOP/A			4.24	4.10	3.90	4.04	
	SCOPnet/A			4.27	4.19	3.92	4.06	
	Pdh Heating capacity at -10°		kW	2.03	2.04	3.40	3.50	
	Annual energy consumption		kWh/a	762	1,058	1,378	1,373	
	Required back up heating cap at design conditions		kW	0.28	1.06	0.44	0.46	
	Energy efficiency class			A+++		A++		
Space heating (Warm climate)	Capacity	Pdesignh	kW	1.24		2.09	2.14	
	SCOP			5.29	5.10	4.79	4.74	
	SCOPnet			5.37	5.18	4.83	4.79	
	Annual energy consumption		kWh/a	329	341	611	631	
	Required back up heating cap at design conditions			0.00				
	Space cooling	A Condition	Pdc	kW	2.50	3.40	5.00	5.70
(35°C - 27/19)		EERd		4.57	3.81	3.24	3.05	
Power input		kW	0.55	0.89	1.54	1.86		
B Condition		Pdc	kW	1.84	2.51	3.69	4.20	
(30°C - 27/19)		EERd		6.60	5.79	5.38	5.34	
Power input		kW	0.28	0.43	0.69	0.79		
Space cooling	C Condition	Pdc	kW	1.41	1.45	2.37	2.71	
	(25°C - 27/19)	EERd		9.11	9.13	7.85	7.24	
	Power input		kW	0.16		0.30	0.37	
	D Condition	Pdc	kW	1.24	1.26	2.15	2.27	
	(20°C - 27/19)	EERd		11.95	11.99	10.67	9.66	
	Power input		kW	0.10	0.11	0.20	0.23	
Space heating (Average climate)	TOL	Tol (temperature operating limit)		°C	-15			
		Pdh (declared heating cap)		kW	2.03		3.40	3.50
		COPd (declared COP)			2.23	2.10	1.99	2.05
		Power input		kW	0.91	0.97	1.71	
	TBivalent	Tbiv (bivalent temperature)		°C	-7			
		Pdh (declared heating cap)		kW	2.04		3.40	3.51
		COPd (declared COP)			3.00	2.89	2.62	2.84
		Power input		kW	0.68	0.71	1.30	1.24
	A Condition (-7°C)	Pdh (declared heating cap)		kW	2.04		3.40	3.51
		COPd (declared COP)			3.00	2.89	2.62	2.84
		Power input		kW	0.68	0.71	1.30	1.24
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.24		2.09	2.14
		COPd (declared COP)			4.16	4.00	3.97	4.12
		Power input		kW	0.30	0.31	0.53	0.52
	C Condition (7°C)	Pdh (declared heating cap)		kW	1.03		1.47	1.49
		COPd (declared COP)			5.57	5.37	4.81	4.74
		Power input		kW	0.19		0.31	
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.21		1.71	1.74
		COPd (declared COP)			6.90	6.65	5.94	5.88
		Power input		kW	0.18		0.29	0.30
Power consumption in other than active mode	Crankcase heater mode	Cooling	PCK	kW	-	0.000	-	
		Heating	PCK	kW	-	0.000	-	
	Off mode	Cooling	POFF	kW	14.0	0.014	-	
		Heating	POFF	kW	14.0	0.014	-	
	Standby mode	Cooling	PSB	kW	14.0	0.014	-	
		Heating	PSB	kW	14.0	0.014	-	
	Thermo-stat-off mode	Cooling	PTO	kW	7.0	0.007	-	
		Heating	PTO	kW	7.0	0.007	-	

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Technical specifications					FFA25A9 + RXM25R	FFA35A9 + RXM35R	FFA50A9 + RXM50R	FFA60A9 + RXM60R	
Space heating (Warm climate)	TOL	Tol (temperature operating limit) °C			-15				
		Pdh (declared heating cap) kW			2.03		3.40	3.50	
		COPd (declared COP)			2.23	2.10	1.99	2.05	
Space heating (Warm climate)	TOL	Power input kW			0.91	0.97	1.71		
		TBivalent	Tbiv (bivalent temperature) °C			2			
	Pdh (declared heating cap) kW			1.24		2.09	2.14		
	COPd (declared COP)			4.16	4.00	3.97	4.12		
	Power input kW			0.30	0.31	0.53	0.52		
	B Condition (2°C)	Pdh (declared heating cap) kW			1.24		2.09	2.14	
		COPd (declared COP)			4.16	4.00	3.97	4.12	
		Power input kW			0.30	0.31	0.53	0.52	
	C Condition (7°C)	Pdh (declared heating cap) kW			1.03		1.47	1.49	
		COPd (declared COP)			5.57	5.37	4.81	4.74	
		Power input kW			0.19		0.31		
	D Condition (12°C)	Pdh (declared heating cap) kW			1.21		1.71	1.74	
		COPd (declared COP)			6.90	6.65	5.94	5.88	
		Power input kW			0.18		0.29	0.30	
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	
	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				
Ecolabel logo					No	-			
Eurovent	Sound power level outdoor	Cooling	Nom.	dB(A)	59	61	62	63	
		Sound power level indoor	Cooling	Nom.	dB(A)	48	51	56	60
	Piping length	Cooling	Measuring condition	m	5.0		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				FNA25A9 + RXM25R	FNA35A9 + RXM35R	FNA50A9 + RXM50R	FNA60A9 + RXM60R	
Cooling capacity	Nom.		kW	2.60	3.40	5.00	6.00	
	Nom.		Btu/h	8,872	11,600	17,100	20,500	
	Nom.		kcal/h	2,236	2,923	4,299	5,159	
Heating capacity	Nom.		kW	3.20	4.00	5.80	7.00	
	Nom.		Btu/h	10,919	13,600	19,800	23,900	
	Nom.		kcal/h	2,752	3,439	4,987	6,019	
Power input	Cooling	Nom.	kW	0.68	1.10	1.48	2.22	
	Heating	Nom.	kW	0.80	1.15	1.74	2.25	
Nominal efficiency	EER			3.80	3.09	3.38	2.70	
	COP			4.00	3.48	3.34	3.11	
	Annual energy consumption			kWh	342	550	740	1,111
	Energy labeling	Cooling	A	A	B	A	D	
	Heating		A	A	B	C	D	
	Directive							
Space cooling	Energy efficiency class			A+			A	
	Capacity	Pdesign	kW	2.60	3.40	5.00	6.00	
	SEER			5.68	5.70	5.77	5.56	
	Annual energy consumption			kWh/a	160	209	303	378
Space heating (Average climate)	Energy efficiency class			A+				
	Capacity	Pdesign	kW	2.80	2.90	4.00	4.60	
	SCOP/A			4.24	4.05	4.09	4.16	
	SCOPnet/A			4.28	4.08	4.12	4.19	
	Pd _h Heating capacity at -10°			kW	2.16	2.41	3.54	3.94
	Annual energy consumption			kWh/a	924	1,002	1,368	1,547
	Required back up heating cap at design conditions			kW	0.64	0.49	0.46	0.66

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Technical specifications					FNA25A9 + RXM25R	FNA35A9 + RXM35R	FNA50A9 + RXM50R	FNA60A9 + RXM60R
Space heating (Warm climate)	Energy efficiency class				A+++		A++	
	Capacity	Pdesignh	kW		1.51	1.57	2.16	2.48
	SCOP				5.43	5.10	4.88	5.02
	SCOPnet				5.50	5.17	4.93	5.08
	Annual energy consumption		kWh/a		389	431	620	691
Space cooling	Required back up heating cap at design conditions				0.00			
	A Condition	Pdc	kW		2.60	3.40	5.00	6.00
	(35°C - 27/19)	EERd			3.80	3.09	3.38	2.70
		Power input	kW		0.68	1.10	1.48	2.22
	B Condition	Pdc	kW		1.92	2.50	3.69	4.43
Space cooling	(30°C - 27/19)	EERd			5.17	4.41	5.02	4.64
		Power input	kW		0.37	0.57	0.74	0.95
	C Condition	Pdc	kW		1.27	1.61	2.37	2.85
	(25°C - 27/19)	EERd			8.97	9.38	7.23	7.20
		Power input	kW		0.14	0.17	0.33	0.40
Space heating (Average climate)	D Condition	Pdc	kW		1.33	1.46	1.74	2.34
	(20°C - 27/19)	EERd			10.18	10.14	10.72	10.44
		Power input	kW		0.13	0.14	0.16	0.22
	TOL	Tol (temperature operating limit)	°C		-15			
		Pdh (declared heating cap)	kW		1.93	2.15	3.54	3.72
Space heating (Average climate)		COPd (declared COP)			2.20	2.21	1.88	1.78
		Power input	kW		0.88	0.97	1.88	2.09
	TBivalent	Tbiv (bivalent temperature)	°C		-7			
		Pdh (declared heating cap)	kW		2.48	2.57	3.54	4.07
		COPd (declared COP)			2.80	2.71	2.90	2.82
Power consumption in other than active mode		Power input	kW		0.89	0.95	1.22	1.44
	A Condition	Pdh (declared heating cap)	kW		2.48	2.57	3.54	4.07
	(-7°C)	COPd (declared COP)			2.80	2.71	2.90	2.82
		Power input	kW		0.89	0.95	1.22	1.44
	B Condition	Pdh (declared heating cap)	kW		1.51	1.57	2.16	2.48
Power consumption in other than active mode	(2°C)	COPd (declared COP)			4.18	4.01	4.13	4.22
		Power input	kW		0.36	0.39	0.52	0.59
	C Condition	Pdh (declared heating cap)	kW		1.00	1.02	1.66	1.59
	(7°C)	COPd (declared COP)			5.51	5.16	5.08	
		Power input	kW		0.18	0.20	0.33	0.31
Power consumption in other than active mode	D Condition	Pdh (declared heating cap)	kW		1.17	1.19	1.96	1.95
	(12°C)	COPd (declared COP)			6.80	6.35	6.16	6.19
		Power input	kW		0.17	0.19	0.32	
	Crankcase heater mode	Cooling PCK	kW		-	0.000	-	-
		Heating PCK	kW		-	0.000	-	-
Power consumption in other than active mode	Off mode	Cooling POFF	kW		14.0	0.014	-	-
		Heating POFF	kW		14.0	0.014	-	-
	Standby mode	Cooling PSB	kW		14.0	0.014	-	-
		Heating PSB	kW		14.0	0.014	-	-
	Thermo-stat-off mode	Cooling PTO	kW		7.0	0.007	-	-
Space heating (Warm climate)		Heating PTO	kW		7.0	0.007	-	-
	TOL	Tol (temperature operating limit)	°C		-15			
		Pdh (declared heating cap)	kW		1.93	2.15	3.54	3.72
		COPd (declared COP)			2.20	2.21	1.88	1.78
		Power input	kW		0.88	0.97	1.88	2.09
Space heating (Warm climate)	TBivalent	Tbiv (bivalent temperature)	°C		2			
		Pdh (declared heating cap)	kW		1.51	1.57	2.16	2.48
		COPd (declared COP)			4.18	4.01	4.13	4.22
		Power input	kW		0.36	0.39	0.52	0.59
	B Condition	Pdh (declared heating cap)	kW		1.51	1.57	2.16	2.48
Power consumption in other than active mode	(2°C)	COPd (declared COP)			4.18	4.01	4.13	4.22
		Power input	kW		0.36	0.39	0.52	0.59
	C Condition	Pdh (declared heating cap)	kW		1.00	1.02	1.66	1.59
	(7°C)	COPd (declared COP)			5.51	5.16	5.08	
		Power input	kW		0.18	0.20	0.33	0.31
Power consumption in other than active mode	D Condition	Pdh (declared heating cap)	kW		1.17	1.19	1.96	1.95
	(12°C)	COPd (declared COP)			6.80	6.35	6.16	6.19
		Power input	kW		0.17	0.19	0.32	
	Thermo-stat-off mode	PTO Heating	W		-	-	9	
		Cooling	W		-	-	9	
Power consumption in other than active mode	Standby mode	Cooling PSB	W		-	-	15	
		Heating PSB	W		-	-	15	
	Off mode	POFF	W		-	-	15	
	Cooling	Cdc (Degradation cooling)			0.25			
	Heating	Cdh (Degradation heating)			0.25			

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Technical specifications					FNA25A9 + RXM25R	FNA35A9 + RXM35R	FNA50A9 + RXM50R	FNA60A9 + RXM60R
Cooling function included					Yes			
Heating function included					Yes			
Average climate included					Yes			
Cold season included					No			
Warm season included					Yes			
Ecolabel logo					-			
Eurovent	Sound power level outdoor	Cooling	Nom.	dB(A)	59	61	62	63
	Sound power level indoor	Cooling	Nom.	dB(A)	53		56	
	Piping length	Cooling	Measuring condition	m	5.0	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					FBA35A9 + RXM35R	FBA50A9 + RXM50R	FBA60A9 + RXM60R
Cooling capacity	Nom.		kW		3.40	5.00	5.70
	Nom.		Btu/h		11,600	17,100	19,400
	Nom.		kcal/h		2,923	4,299	4,884
Heating capacity	Nom.		kW		4.00	5.50	7.00
	Nom.		Btu/h		13,600	18,800	23,900
	Nom.		kcal/h		3,439	4,729	6,019
Power input	Cooling	Nom.	kW		0.85	1.41	1.64
	Heating	Nom.	kW		1.00	1.44	1.89
Nominal efficiency	EER				4.02	3.55	3.48
	COP				4.02	3.83	3.71
	Annual energy consumption		kWh		423	704	819
	Energy labeling	Cooling			A		
	Directive	Heating			A		
Space cooling	Energy efficiency class				A++		A+
	Capacity	Pdesign	kW		3.40	5.00	5.70
	SEER				6.23	6.27	5.91
	Annual energy consumption		kWh/a		191	279	336
Space heating (Average climate)	Energy efficiency class				A+		
	Capacity	Pdesign	kW		2.90	4.40	4.60
	SCOP/A				4.07	4.06	4.01
	SCOPnet/A				4.11	4.08	4.03
	Pdh Heating capacity at -10°		kW		2.41	3.73	3.99
	Annual energy consumption		kWh/a		996	1,517	1,607
	Required back up heating cap at design conditions		kW		0.49	0.67	0.61
Space heating (Warm climate)	Energy efficiency class				A+++		A+
	Capacity	Pdesignh	kW		1.57	2.37	2.44
	SCOP				5.12	4.48	4.43
	SCOPnet				5.19	4.49	4.44
	Annual energy consumption		kWh/a		429	741	770
	Required back up heating cap at design conditions		kW		0.00		
Space cooling	A Condition	Pdc	kW		3.40	5.00	5.70
	(35°C - 27/19)	EERd			4.02	3.55	3.48
		Power input	kW		0.85	1.41	1.64
	B Condition	Pdc	kW		2.51	3.69	4.20
	(30°C - 27/19)	EERd			5.54	5.26	5.05
		Power input	kW		0.45	0.70	0.83
Space cooling	C Condition	Pdc	kW		1.73	2.37	2.71
	(25°C - 27/19)	EERd			8.13	8.41	7.97
		Power input	kW		0.21	0.28	0.34
	D Condition	Pdc	kW		1.61	1.98	2.13
	(20°C - 27/19)	EERd			9.06	10.52	8.54
		Power input	kW		0.18	0.19	0.25

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Technical specifications					FBA35A9 + RXM35R	FBA50A9 + RXM50R	FBA60A9 + RXM60R		
Space heating (Average climate)	TOL	Tol (temperature operating limit)			°C	-15			
		Pdh (declared heating cap)			kW	2.15	3.47	3.85	
		COPd (declared COP)				2.37	1.95	2.11	
		Power input			kW	0.91	1.78	1.82	
	TBivalent	Tbiv (bivalent temperature)			°C	-7			
		Pdh (declared heating cap)			kW	2.57	3.90	4.09	
		COPd (declared COP)				2.73	3.09	3.01	
		Power input			kW	0.94	1.26	1.36	
	A Condition (-7°C)	Pdh (declared heating cap)			kW	2.57	3.90	4.09	
		COPd (declared COP)				2.73	3.09	3.01	
		Power input			kW	0.94	1.26	1.36	
	B Condition (2°C)	Pdh (declared heating cap)			kW	1.57	2.37	2.44	
		COPd (declared COP)				4.03	4.20	4.18	
		Power input			kW	0.39	0.56	0.58	
	C Condition (7°C)	Pdh (declared heating cap)			kW	1.02	1.61	1.60	
		COPd (declared COP)				5.18	4.55	4.41	
		Power input			kW	0.20	0.35	0.36	
	D Condition (12°C)	Pdh (declared heating cap)			kW	1.19	1.58	1.79	
		COPd (declared COP)				6.38	5.23	5.32	
		Power input			kW	0.19	0.30	0.34	
Power consumption in other than active mode	Crankcase heater mode	Cooling	PCK	kW	0.000		-		
		Heating	PCK	kW	0.000		-		
	Off mode	Cooling	POFF	kW	0.007		-		
		Heating	POFF	kW	0.007		-		
	Standby mode	Cooling	PSB	kW	0.007		-		
		Heating	PSB	kW	0.007		-		
	Thermo-stat-off mode	Cooling	PTO	kW	0.007		-		
		Heating	PTO	kW	0.007		-		
Space heating (Warm climate)	TOL	Tol (temperature operating limit)			°C	-15			
		Pdh (declared heating cap)			kW	2.15	3.47	3.85	
		COPd (declared COP)				2.37	1.95	2.11	
Space heating (Warm climate)	TOL	Power input			kW	0.91	1.78	1.82	
		TBivalent	Tbiv (bivalent temperature)			°C	2		
			Pdh (declared heating cap)			kW	1.57	2.37	2.48
			COPd (declared COP)				4.03	4.20	4.18
	Power input			kW	0.39	0.56	0.59		
	B Condition (2°C)	Pdh (declared heating cap)			kW	1.57	2.37	2.44	
		COPd (declared COP)				4.03	4.20	4.18	
		Power input			kW	0.39	0.56	0.58	
	C Condition (7°C)	Pdh (declared heating cap)			kW	1.02	1.61	1.60	
		COPd (declared COP)				5.18	4.55	4.41	
		Power input			kW	0.20	0.35	0.36	
	D Condition (12°C)	Pdh (declared heating cap)			kW	1.19	1.58	1.79	
		COPd (declared COP)				6.38	5.23	5.32	
		Power input			kW	0.19	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			
	Off mode	POFF		W	-	13			
Cooling	Cdc (Degradation cooling)				0.25				
Heating	Cdh (Degradation heating)				0.25				
Cooling function included					Yes				
Heating function included					Yes				
Average climate included					Yes				
Cold season included					No				
Warm season included					Yes				
Eurovent	Sound power level outdoor	Cooling	Nom.	dB(A)	61	62	63		
		Cooling	Nom.	dB(A)	60		56		
	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

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Technical specifications				FVXM25A + RXM25R	FVXM35A + RXM35R	FVXM50A + RXM50R
Cooling capacity	Min.		kW	1.30	1.40	
	Min.		Btu/h	4,400	4,800	
	Min.		kcal/h	1,118	1,204	
	Nom.		kW	2.40	3.40	5.00
	Nom.		Btu/h	8,200	11,600	17,100
	Nom.		kcal/h	2,064	2,923	4,299
	Max.		kW	3.50	4.00	5.80
	Max.		Btu/h	11,900	13,600	19,800
	Max.		kcal/h	3,009	3,439	4,987
Cooling capacity - Low sound mode (Stb. 2020, 189)	Min.		kcal/h		-	
	Max.		kcal/h		-	
Heating capacity	Min.		kW	1.30	1.40	
	Min.		Btu/h	4,400	4,800	
	Min.		kcal/h	1,100	1,200	
	Nom.		kW	3.40	4.50	5.80
	Nom.		Btu/h	11,600	15,400	19,800
	Nom.		kcal/h	2,923	3,869	4,987
	Max.		kW	4.70	5.80	8.10
	Max.		Btu/h	16,000	19,800	27,600
	Max.		kcal/h	4,041	4,987	6,965
Power input	Cooling	Nom.	kW	0.54	0.85	1.31
	Heating	Nom.	kW	0.75	1.15	1.52
Nominal efficiency	EER			4.47	4.01	3.81
	COP			4.55	3.90	3.81
	Annual energy consumption		kWh	268	424	656
	Energy labeling	Cooling			A	
	Directive	Heating			A	
Space cooling	Energy efficiency class			A+++	A++	
	Capacity	Pdesign	kW	2.40	3.40	5.00
	SEER			8.55	8.11	7.30
	Annual energy consumption		kWh/a	98	147	240
Space heating (Average climate)	Capacity	Pdesign	kW	2.30	2.80	4.10
	Energy efficiency class			A++		A+
	SCOP/A			4.65	4.63	4.31
	SCOPnet/A			4.68	4.67	4.35
	Pdh Heating capacity at -10°		kW	2.03	2.34	3.58
Space heating (Average climate)	Annual energy consumption		kWh/a	693	847	1,330
	Required back up heating cap at design conditions		kW	0.27	0.46	0.52
Space heating (Warm climate)	Capacity	Pdesignh	kW	1.24	1.51	2.21
	Energy efficiency class			A+++		A++
	SCOP			5.50	5.71	4.85
	SCOPnet			5.61	5.80	4.94
	Annual energy consumption		kWh/a	316	370	638
	Required back up heating cap at design conditions		kW		0.00	
	A Condition	Pdc	kW	2.40	3.40	5.00
Space cooling	(35°C - 27/19)	EERd		4.47	4.01	3.81
		Power input	kW	0.54	0.85	1.31
	B Condition	Pdc	kW	1.77	2.51	3.69
	(30°C - 27/19)	EERd		6.50	5.82	5.49
		Power input	kW	0.27	0.43	0.67
	C Condition	Pdc	kW	1.23	1.62	2.37
	(25°C - 27/19)	EERd		10.51	9.63	8.59
		Power input	kW	0.12	0.17	0.28
	D Condition	Pdc	kW	1.18	1.12	2.20
	(20°C - 27/19)	EERd		14.90	15.17	12.51
		Power input	kW	0.08	0.07	0.18

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Technical specifications					FVXM25A + RXM25R	FVXM35A + RXM35R	FVXM50A + RXM50R
Space heating (Average climate)	TOL	Tol (temperature operating limit) °C			-15		
		Pdh (declared heating cap) kW			2.01	2.12	3.49
		COPd (declared COP)			2.24	1.94	1.82
		Power input kW			0.90	1.09	1.92
	TBivalent	Tbiv (bivalent temperature) °C			-7		
		Pdh (declared heating cap) kW			2.04	2.48	3.63
		COPd (declared COP)			3.46	3.24	3.16
		Power input kW			0.59	0.77	1.15
	A Condition (-7°C)	Pdh (declared heating cap) kW			2.04	2.48	3.63
		COPd (declared COP)			3.46	3.24	3.16
		Power input kW			0.59	0.77	1.15
	B Condition (2°C)	Pdh (declared heating cap) kW			1.24	1.51	2.21
		COPd (declared COP)			4.67	4.58	4.45
		Power input kW			0.27	0.33	0.50
	C Condition (7°C)	Pdh (declared heating cap) kW			1.02	1.03	1.67
		COPd (declared COP)			5.67	5.80	5.15
		Power input kW			0.18		0.32
Space heating (Average climate)	D Condition (12°C)	Pdh (declared heating cap) kW			1.06	1.18	1.84
		COPd (declared COP)			7.16	7.13	5.98
		Power input kW			0.15	0.17	0.31
Space heating (Warm climate)	TOL	Tol (temperature operating limit) °C			-15		
		Pdh (declared heating cap) kW			2.01	2.12	3.49
		COPd (declared COP)			2.24	1.94	1.82
		Power input kW			0.90	1.09	1.92
	TBivalent	Tbiv (bivalent temperature) °C			2		
		Pdh (declared heating cap) kW			1.24	1.51	2.21
		COPd (declared COP)			4.67	4.58	4.45
		Power input kW			0.27	0.33	0.50
	B Condition (2°C)	Pdh (declared heating cap) kW			1.24	1.51	2.21
		COPd (declared COP)			4.67	4.58	4.45
		Power input kW			0.27	0.33	0.50
	C Condition (7°C)	Pdh (declared heating cap) kW			1.02	1.03	1.67
		COPd (declared COP)			5.67	5.80	5.15
		Power input kW			0.18		0.32
	D Condition (12°C)	Pdh (declared heating cap) kW			1.06	1.18	1.84
		COPd (declared COP)			7.16	7.13	5.98
		Power input kW			0.15	0.17	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	6		7
			Heating	W	8		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	59	61	62
		Heating	Nom.	dBa	52	53	61
	Piping length	Cooling	Measuring condition	m	5.00		

Electrical specifications					FVXM25A + RXM25R	FVXM35A + RXM35R	FVXM50A + RXM50R
Power factor	Nominal	Cooling	%		93.0	98.2	95.9
		Heating	%		98.0	98.8	96.8
Current	Nominal running current (RLA)	Cooling	A		2.53	3.73	5.77
	Nominal running current (RLA) - 50Hz	Heating	A		3.25	4.93	6.76
Current - 50Hz	Maximum fuse amps (MFA)			A	13		16

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				FVXM25A9 + RXM25R	FVXM35A9 + RXM35R	FVXM50A9 + RXM50R
Cooling capacity	Min.		kW	1.30	1.40	
	Min.		Btu/h	4,400	4,800	
	Min.		kcal/h	1,118	1,204	
	Nom.		kW	2.40	3.40	5.00
	Nom.		Btu/h	8,200	11,600	17,100
	Nom.		kcal/h	2,064	2,923	4,299
	Max.		kW	3.50	4.00	5.80
	Max.		Btu/h	11,900	13,600	19,800
	Max.		kcal/h	3,009	3,439	4,987
Cooling capacity - Low sound mode (Stb. 2020, 189)	Min.		kcal/h	-		
	Max.		kcal/h	-		
Heating capacity	Min.		kW	1.30	1.40	
	Min.		Btu/h	4,400	4,800	
	Min.		kcal/h	1,100	1,200	
	Nom.		kW	3.40	4.50	5.80
	Nom.		Btu/h	11,600	15,400	19,800
	Nom.		kcal/h	2,923	3,869	4,987
	Max.		kW	4.70	5.80	8.10
	Max.		Btu/h	16,000	19,800	27,600
	Max.		kcal/h	4,041	4,987	6,965
Power input	Cooling	Nom.	kW	0.54	0.85	1.31
	Heating	Nom.	kW	0.75	1.15	1.52
Nominal efficiency	EER			4.47	4.01	3.81
	COP			4.55	3.90	3.81
	Annual energy consumption		kWh	268	424	656
	Energy labeling	Cooling Heating Directive		A		
Space cooling	Energy efficiency class			A+++	A++	
	Capacity	Pdesign	kW	2.40	3.40	5.00
	SEER			8.55	8.11	7.30
	Annual energy consumption		kWh/a	98	147	240
Space heating (Average climate)	Capacity	Pdesign	kW	2.30	2.80	4.10
	Energy efficiency class			A++		A+
	SCOP/A			4.65	4.63	4.31
	SCOPnet/A			4.68	4.67	4.35
Space heating (Average climate)	Pdh Heating capacity at -10°		kW	2.03	2.34	3.58
	Annual energy consumption		kWh/a	693	847	1,330
	Required back up heating cap at design conditions		kW	0.27	0.46	0.52
	Capacity	Pdesignh	kW	1.24	1.51	2.21
Space heating (Warm climate)	Energy efficiency class			A+++		A++
	SCOP			5.50	5.71	4.85
	SCOPnet			5.61	5.80	4.94
	Annual energy consumption		kWh/a	316	370	638
Space cooling	Required back up heating cap at design conditions		kW	0.00		
	A Condition	Pdc	kW	2.40	3.40	5.00
	(35°C - 27/19)	EERd		4.47	4.01	3.81
		Power input	kW	0.54	0.85	1.31
	B Condition	Pdc	kW	1.77	2.51	3.69
	(30°C - 27/19)	EERd		6.50	5.82	5.49
		Power input	kW	0.27	0.43	0.67
	C Condition	Pdc	kW	1.23	1.62	2.37
	(25°C - 27/19)	EERd		10.51	9.63	8.59
		Power input	kW	0.12	0.17	0.28
	D Condition	Pdc	kW	1.18	1.12	2.20
	(20°C - 27/19)	EERd		14.90	15.17	12.51
		Power input	kW	0.08	0.07	0.18

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Technical specifications					FVXM25A9 + RXM25R	FVXM35A9 + RXM35R	FVXM50A9 + RXM50R	
Space heating (Average climate)	TOL	Tol (temperature operating limit)			°C	-15		
		Pdh (declared heating cap)			kW	2.01	2.12	3.49
		COPd (declared COP)				2.24	1.94	1.82
		Power input			kW	0.90	1.09	1.92
	TBivalent	Tbiv (bivalent temperature)			°C	-7		
		Pdh (declared heating cap)			kW	2.04	2.48	3.63
		COPd (declared COP)				3.46	3.24	3.16
		Power input			kW	0.59	0.77	1.15
	A Condition (-7°C)	Pdh (declared heating cap)			kW	2.04	2.48	3.63
		COPd (declared COP)				3.46	3.24	3.16
		Power input			kW	0.59	0.77	1.15
	B Condition (2°C)	Pdh (declared heating cap)			kW	1.24	1.51	2.21
		COPd (declared COP)				4.67	4.58	4.45
		Power input			kW	0.27	0.33	0.50
	C Condition (7°C)	Pdh (declared heating cap)			kW	1.02	1.03	1.67
		COPd (declared COP)				5.67	5.80	5.15
		Power input			kW	0.18		0.32
Space heating (Average climate)	D Condition (12°C)	Pdh (declared heating cap)			kW	1.06	1.18	1.84
		COPd (declared COP)				7.16	7.13	5.98
		Power input			kW	0.15	0.17	0.31
Space heating (Warm climate)	TOL	Tol (temperature operating limit)			°C	-15		
		Pdh (declared heating cap)			kW	2.01	2.12	3.49
		COPd (declared COP)				2.24	1.94	1.82
		Power input			kW	0.90	1.09	1.92
	TBivalent	Tbiv (bivalent temperature)			°C	2		
		Pdh (declared heating cap)			kW	1.24	1.51	2.21
		COPd (declared COP)				4.67	4.58	4.45
		Power input			kW	0.27	0.33	0.50
	B Condition (2°C)	Pdh (declared heating cap)			kW	1.24	1.51	2.21
		COPd (declared COP)				4.67	4.58	4.45
		Power input			kW	0.27	0.33	0.50
	C Condition (7°C)	Pdh (declared heating cap)			kW	1.02	1.03	1.67
		COPd (declared COP)				5.67	5.80	5.15
		Power input			kW	0.18		0.32
	D Condition (12°C)	Pdh (declared heating cap)			kW	1.06	1.18	1.84
		COPd (declared COP)				7.16	7.13	5.98
		Power input			kW	0.15	0.17	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	6	7		
			Heating	W	8	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)	59	61	62	
	Sound power level indoor	Cooling	Nom.	dB(A)	52	53	61	
	Piping length	Cooling	Measuring condition	m	5.00			

Electrical specifications					FVXM25A9 + RXM25R	FVXM35A9 + RXM35R	FVXM50A9 + RXM50R
Power factor	Nominal	Cooling	%		93.0	98.2	95.9
		Heating	%		98.0	98.8	96.8
Current	Nominal running current (RLA)	Cooling	A		2.53	3.73	5.77
	Nominal running current (RLA) - 50Hz	Heating	A		3.25	4.93	6.76
Current - 50Hz	Maximum fuse amps (MFA)			A	13		16

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				FCAG35B + RXM35R	FCAG50B + RXM50R	FCAG60B + RXM60R
Cooling capacity	Nom.	kW		3.50	5.00	5.70
	Nom.	Btu/h		11,900	17,100	19,400
	Nom.	kcal/h		3,009	4,299	4,884
Cooling capacity - Low sound mode (Stb. 2020, 189)	Min.	kcal/h		-	-	-
	Max.	kcal/h		-	-	-
Heating capacity	Nom.	kW		4.20	6.00	7.00
	Nom.	Btu/h		14,300	20,500	23,900
	Nom.	kcal/h		3,611	5,159	6,019
Power input	Cooling	Nom. kW		0.94	1.40	1.72
	Heating	Nom. kW		1.11	1.62	2.07
Nominal efficiency	EER			3.72	3.58	3.31
	COP			3.77	3.70	3.38
	Annual energy consumption	kWh		470	698	858
	Energy labeling	Cooling		A		C
	Directive	Heating		A		C
Space cooling	Energy efficiency class			A++		
	Capacity	Pdesign kW		3.50	5.00	5.70
	SEER			6.35	6.54	6.40
	Annual energy consumption	kWh/a		193	268	312
Space heating (Average climate)	Capacity	Pdesign kW		3.32	4.36	4.71
	Energy efficiency class			A++	A+	
	SCOP/A			4.90	4.30	4.20
	SCOPnet/A			4.96	4.33	4.22
	Pdh Heating capacity at -10°	kW		2.60	3.86	4.12
	Annual energy consumption	kWh/a		948	1,418	1,569
	Required back up heating cap at design conditions	kW		0.72	0.50	0.59
Space heating (Warm climate)	Capacity	Pdesignh kW		1.79	2.35	2.53
	Energy efficiency class			A+++		
	SCOP			6.27	5.22	5.32
	SCOPnet			6.36	5.31	5.41
	Annual energy consumption	kWh/a		400	630	669
	Required back up heating cap at design conditions	kW		0.00	0.00	0.00
Space cooling	A Condition	Pdc kW		3.50	5.00	5.70
	(35°C - 27/19)	EERd		3.72	3.58	3.31
		Power input kW		0.94	1.40	1.72
	B Condition	Pdc kW		2.60	3.69	4.20
Space cooling	(30°C - 27/19)	EERd		5.33	5.17	4.70
		Power input kW		0.49	0.71	0.89
	C Condition	Pdc kW		1.68	2.37	2.71
	(25°C - 27/19)	EERd		9.52	8.52	7.91
		Power input kW		0.18	0.28	0.34
	D Condition	Pdc kW		1.49	1.87	1.62
	(20°C - 27/19)	EERd		12.25	10.69	12.13
		Power input kW		0.12	0.17	0.13
Space heating (Average climate)	TOL	Tol (temperature operating limit)	°C	-15		
		Pdh (declared heating cap)	kW	2.04	3.86	4.04
		COPd (declared COP)		2.50	2.04	2.08
		Power input	kW	0.82	1.89	1.94
	TBivalent	Tbiv (bivalent temperature)	°C	-7		
		Pdh (declared heating cap)	kW	2.94	3.86	4.17
		COPd (declared COP)		3.10	2.81	2.56
		Power input	kW	0.95	1.37	1.63
	A Condition (-7°C)	Pdh (declared heating cap)	kW	2.94	3.86	4.17
		COPd (declared COP)		3.10	2.81	2.56
		Power input	kW	0.95	1.37	1.63
	B Condition (2°C)	Pdh (declared heating cap)	kW	1.79	2.35	2.56
		COPd (declared COP)		4.98	4.39	4.31
		Power input	kW	0.36	0.54	0.59
	C Condition (7°C)	Pdh (declared heating cap)	kW	1.15	1.54	1.64
		COPd (declared COP)		6.20	5.31	5.28
		Power input	kW	0.19	0.29	0.31
	D Condition (12°C)	Pdh (declared heating cap)	kW	1.24	1.79	1.46
		COPd (declared COP)		7.88	6.47	6.51
		Power input	kW	0.16	0.28	0.22

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Technical specifications					FCAG35B + RXM35R	FCAG50B + RXM50R		FCAG60B + RXM60R
Space heating (Warm climate)	TOL	Tol (temperature operating limit)			°C	-15		
		Pdh (declared heating cap)			kW	2.04	3.86	4.04
		COPd (declared COP)				2.50	2.04	2.08
		Power input			kW	0.82	1.89	1.94
	TBivalent	Tbiv (bivalent temperature)			°C	2		
		Pdh (declared heating cap)			kW	1.79	2.35	2.54
		COPd (declared COP)				4.98	4.39	4.31
		Power input			kW	0.36	0.54	0.59
	B Condition (2°C)	Pdh (declared heating cap)			kW	1.79	2.35	2.54
		COPd (declared COP)				4.98	4.39	4.31
Space heating (Warm climate)	B Condition (2°C)	COPd (declared COP)				4.98	4.39	4.31
		Power input			kW	0.36	0.54	0.59
	C Condition (7°C)	Pdh (declared heating cap)			kW	1.15	1.54	1.64
		COPd (declared COP)				6.20	5.31	5.28
		Power input			kW	0.19	0.29	0.31
	D Condition (12°C)	Pdh (declared heating cap)			kW	1.24	1.79	1.46
		COPd (declared COP)				7.88	6.47	6.51
		Power input			kW	0.16	0.28	0.22
Power consumption in other than active mode	Off mode	POFF			W	-	8	
	Standby mode	Cooling	PSB	W	-	-	8	
		Heating	PSB	W	-	-	8	
	Thermo-stat-off mode	PTO	Cooling	W	-	-	5	
			Heating	W	-	-	15	
Cooling	Cdc (Degradation cooling)					0.25		
Heating	Cdh (Degradation heating)					0.25		
Cooling function included						Yes		
Heating function included						Yes		
Average climate included						Yes		
Cold season included						No		
Warm season included						Yes		
Eurovent	Sound power level outdoor	Cooling	Nom.	dBa	61	62	63	
	Sound power level indoor	Cooling	Nom.	dBa	49		51	
	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				FHA35A9 + RXM35R	FHA50A9 + RXM50R	FHA60A9 + RXM60R	
Cooling capacity	Nom.		kW	3.40	5.00	5.70	
	Nom.		Btu/h	11,600	17,100	19,400	
	Nom.		kcal/h	2,923	4,299	4,884	
Cooling capacity - Low sound mode (Stb. 2020, 189)	Min.		kcal/h	-			
	Max.		kcal/h	-			
Heating capacity	Nom.		kW	4.00	6.00	7.20	
			Btu/h	13,600	20,500	24,600	
			kcal/h	3,439	5,159	6,191	
Power input	Cooling	Nom.	kW	0.91	1.56	1.73	
	Heating	Nom.	kW	0.98	1.79	2.17	
Nominal efficiency	EER			3.73	3.21	3.29	
	COP			4.08	3.35	3.32	
	Annual energy consumption			kWh	456	779	866
	Energy labeling Directive	Cooling Heating	A				
			C				
Space cooling	Energy efficiency class			A++			
	Capacity	Pdesign	kW	3.40	5.00	5.70	
	SEER			6.24	5.92	6.08	
	Annual energy consumption			kWh/a	191	295	328
Space heating (Average climate)	Capacity	Pdesign	kW	3.10	4.35	4.71	
	Energy efficiency class			A+			
	SCOP/A			4.43	3.86	3.87	
	SCOPnet/A			4.47	3.88	3.89	
	Pd _h Heating capacity at -10°			kW	2.64	3.85	4.08
	Annual energy consumption			kWh/a	979	1,577	1,704
	Required back up heating cap at design conditions			kW	0.46	0.50	0.63

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Technical specifications					FHA35A9 + RXM35R	FHA50A9 + RXM50R	FHA60A9 + RXM60R
Space heating (Warm climate)	Capacity	Pdesignh	kW	1.67	2.35	2.54	
	Energy efficiency class			A+++	A+	A++	
	SCOP			5.72	4.59	4.61	
	SCOPnet			5.83	4.64	4.67	
	Annual energy consumption kWh/a			409	716	771	
	Required back up heating cap at design conditions kW				0.00		
Space cooling	A Condition	Pdc	kW	3.40	5.00	5.70	
	(35°C - 27/19)	EERd		3.73	3.21	3.29	
		Power input	kW	0.91	1.56	1.73	
	B Condition	Pdc	kW	2.51	3.69	4.20	
	(30°C - 27/19)						
Space cooling	B Condition	EERd		5.28	5.04	4.88	
	(30°C - 27/19)	Power input	kW	0.48	0.73	0.86	
	C Condition	Pdc	kW	1.68	2.37	2.71	
	(25°C - 27/19)	EERd		9.59	8.25	8.34	
		Power input	kW	0.18	0.29	0.33	
	D Condition	Pdc	kW	1.64	2.31	2.26	
	(20°C - 27/19)	EERd		11.71	10.39	10.97	
		Power input	kW	0.14	0.22	0.21	
Space heating (Average climate)	TOL	Tol (temperature operating limit)	°C		-15		
		Pdh (declared heating cap)	kW	2.47	3.85	3.92	
		COPd (declared COP)		2.23		1.97	
		Power input	kW	1.11	1.95	1.99	
	TBivalent	Tbiv (bivalent temperature)	°C		-7		
		Pdh (declared heating cap)	kW	2.74	3.85	4.12	
		COPd (declared COP)		2.94	2.61	2.64	
		Power input	kW	0.93	1.48	1.56	
	A Condition (-7°C)	Pdh (declared heating cap)	kW	2.74	3.85	4.17	
		COPd (declared COP)		2.94	2.61	2.64	
		Power input	kW	0.93	1.48	1.56	
	B Condition (2°C)	Pdh (declared heating cap)	kW	1.67	2.35	2.54	
		COPd (declared COP)		4.32	3.95	3.96	
		Power input	kW	0.39	0.59	0.64	
	C Condition (7°C)	Pdh (declared heating cap)	kW	1.14	1.54	1.63	
		COPd (declared COP)		5.83	4.62	4.60	
		Power input	kW	0.20	0.33	0.35	
	D Condition (12°C)	Pdh (declared heating cap)	kW	1.34	1.80	1.74	
		COPd (declared COP)		7.24		5.65	
		Power input	kW	0.19	0.32	0.31	
Space heating (Warm climate)	TOL	Tol (temperature operating limit)	°C		-15		
		Pdh (declared heating cap)	kW	2.47	3.85	3.92	
		COPd (declared COP)		2.23		1.97	
		Power input	kW	1.11	1.95	1.99	
	TBivalent	Tbiv (bivalent temperature)	°C		2		
		Pdh (declared heating cap)	kW	1.67	2.35	2.54	
		COPd (declared COP)		4.32	3.95	3.96	
		Power input	kW	0.39	0.59	0.64	
	B Condition (2°C)	Pdh (declared heating cap)	kW	1.67	2.35	2.54	
Space heating (Warm climate)	B Condition (2°C)	COPd (declared COP)		4.32	3.95	3.96	
		Power input	kW	0.39	0.59	0.64	
	C Condition (7°C)	Pdh (declared heating cap)	kW	1.14	1.54	1.63	
		COPd (declared COP)		5.83	4.62	4.60	
		Power input	kW	0.20	0.33	0.35	
	D Condition (12°C)	Pdh (declared heating cap)	kW	1.34	1.80	1.74	
		COPd (declared COP)		7.24		5.65	
Power consumption in other than active mode	Crankcase heater mode	PCK	W	-	0		
	Off mode	POFF	W	-	15		
	Standby mode	Cooling	PSB	W	-	15	
		Heating	PSB	W	-	15	
	Thermo-stat-off mode	PTO	Cooling	W	-	10	
			Heating	W	-	10	
Cooling	Cdc (Degradation cooling)				0.25		
Heating	Cdh (Degradation heating)				0.25		
Cooling function included					Yes		
Heating function included					Yes		
Average climate included					Yes		
Cold season included					No		
Warm season included					Yes		

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Technical specifications					FHA35A9 + RXM35R	FHA50A9 + RXM50R	FHA60A9 + RXM60R
Eurovent	Sound power level outdoor	Cooling	Nom.	dB(A)	61	62	63
	Sound power level indoor	Cooling	Nom.	dB(A)	53	54	
	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				FTXM20R + RXM20R	FTXM25R + RXM25R	FTXM35R + RXM35R	FTXM42R + RXM42R	FTXM50R + RXM50R	FTXM60R + RXM60R
Cooling capacity	Min.		kW	1.30		1.40	1.70		
	Min.		Btu/h	4,400		4,800	5,800		
	Min.		kcal/h	1,118		1,204	1,462		
	Nom.		kW	2.00	2.50	3.40	4.20	5.00	6.00
	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	2.60	3.20	4.00	5.00	6.00	7.00
	Max.		Btu/h	8,900	10,900	13,600	17,100	20,500	23,900
	Max.		kcal/h	2,236	2,752	3,439	4,299	5,159	6,019
Cooling capacity - Low sound mode (Stb. 2020, 189)	Min.		kcal/h	-					
	Max.		kcal/h	-					
Heating capacity	Min.		kW	1.30		1.40	1.70		
	Min.		Btu/h	4,400		4,800	5,800		
	Min.		kcal/h	1,100		1,200	1,500		
	Nom.		kW	2.50	2.80	4.00	5.40	5.80	7.00
	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	3.50	4.70	5.20	6.00	7.70	8.00
	Max.		Btu/h	11,900	16,000	17,700	20,500	26,300	27,300
	Max.		kcal/h	3,009	4,041	4,471	5,159	6,621	6,879
Power input	Cooling	Nom.	kW	0.44	0.56	0.80	0.97	1.36	1.77
	Heating	Nom.	kW	0.50	0.56	0.99	1.31	1.45	1.94
Nominal efficiency	EER			4.57	4.50	4.23	4.33	3.68	3.39
	COP			5.00		4.04	4.12	4.00	3.61
	Annual energy consumption		kWh	219	278	402	485	679	885
	Energy labeling Directive	Cooling Heating		A A					
Space cooling	Energy efficiency class			A+++			A++		
	Capacity	Pdesign	kW	2.00	2.50	3.40	4.20	5.00	6.00
	SEER			8.65			7.85	7.41	6.90
	Annual energy consumption		kWh/a	81	101	137	187	236	304
Space heating (Average climate)	Capacity	Pdesign	kW	2.30	2.40	2.50	4.00	4.60	4.80
	Energy efficiency class			A+++			A++		A+
	SCOP/A			5.10			4.71		4.30
	SCOPnet/A			5.13	5.14		4.76	4.75	4.34
Space heating (Average climate)	Pdh Heating capacity at -10°		kW	2.24	2.30	2.35	3.67	3.85	3.99
	Annual energy consumption		kWh/a	631	659	686	1,189	1,368	1,562
Space heating (Warm climate)	Required back up heating cap at design conditions		kW	0.06	0.10	0.15	0.33	0.75	0.81
	Capacity	Pdesignh	kW	1.24	1.29	1.35	2.15	2.48	2.63
	Energy efficiency class			A+++					
	SCOP			6.19	6.15	6.18	6.15	5.82	5.51
Space cooling	SCOPnet			6.32	6.25	6.28	6.24	5.93	5.60
	Annual energy consumption		kWh/a	280	296	306	490	596	668
	Required back up heating cap at design conditions		kW	0.00					
	A Condition	Pdc	kW	2.00	2.50	3.40	4.20	5.00	6.00
	(35°C - 27/19) EERd			4.57	4.50	4.23	4.33	3.68	3.39
	Power input		kW	0.44	0.56	0.80	0.97	1.36	1.77
	B Condition	Pdc	kW	1.48	1.85	2.51	3.16	3.69	4.43
	(30°C - 27/19) EERd			6.73	6.52	6.26	6.18	5.85	4.82
Space heating (Average climate)	Power input		kW	0.22	0.28	0.40	0.51	0.63	0.92
	C Condition	Pdc	kW	1.10	1.19	1.62	2.05	2.37	2.85
	(25°C - 27/19) EERd			10.52	10.17	10.18	9.24	8.43	8.09
	Power input		kW	0.10	0.12	0.16	0.22	0.28	0.35
	D Condition	Pdc	kW	1.05	1.17	1.04	1.82	1.83	1.93
	(20°C - 27/19) EERd			16.53	16.51	16.32	12.40	13.00	13.26
	Power input		kW	0.06	0.07	0.06	0.15	0.14	0.15

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Technical specifications					FTXM20R + RXM20R	FTXM25R + RXM25R	FTXM35R + RXM35R	FTXM42R + RXM42R	FTXM50R + RXM50R	FTXM60R + RXM60R
Space heating (Average climate)	TOL	Tol (temperature operating limit)			-20					
		Pd _h (declared heating cap)			2.14			2.67	3.12	
		COP _d (declared COP)			2.29		2.50	1.99	2.04	
		Power input			0.93		0.86	1.34	1.53	
	TBivalent	T _{biv} (bivalent temperature)			-7					
		Pd _h (declared heating cap)			2.04	2.13	2.22	3.76	4.07	4.26
		COP _d (declared COP)			3.51	3.60	3.55	3.16	2.95	2.68
		Power input			0.58	0.59	0.63	1.19	1.38	1.59
	A Condition (-7°C)	Pd _h (declared heating cap)			2.04	2.13	2.22	3.76	4.07	4.26
		COP _d (declared COP)			3.51	3.60	3.55	3.16	2.95	2.68
		Power input			0.58	0.59	0.63	1.19	1.38	1.59
	B Condition (2°C)	Pd _h (declared heating cap)			1.24	1.29	1.35	2.16	2.48	2.63
		COP _d (declared COP)			5.16	5.14	5.11	4.54	4.80	4.31
		Power input			0.24	0.25	0.26	0.48	0.52	0.61
	C Condition (7°C)	Pd _h (declared heating cap)			0.96	0.94	0.93	1.43	1.70	1.67
		COP _d (declared COP)			6.34	6.26	6.25	6.32	6.02	5.64
		Power input			0.15			0.23	0.28	0.30
Space heating (Average climate)	D Condition (12°C)	Pd _h (declared heating cap)			0.99	1.08		1.54	1.98	1.96
		COP _d (declared COP)			7.99	7.85	7.72	7.69	7.18	6.82
		Power input			0.12	0.14		0.20	0.28	0.29
Space heating (Warm climate)	TOL	Tol (temperature operating limit)			-20					
		Pd _h (declared heating cap)			2.14			2.67	3.12	
		COP _d (declared COP)			2.29		2.50	1.99	2.04	
		Power input			0.93		0.86	1.34	1.53	
	TBivalent	T _{biv} (bivalent temperature)			2					
		Pd _h (declared heating cap)			1.24	1.29	1.35	2.16	2.48	2.63
		COP _d (declared COP)			5.16	5.14	5.11	4.54	4.80	4.31
		Power input			0.24	0.25	0.26	0.48	0.52	0.61
	B Condition (2°C)	Pd _h (declared heating cap)			1.24	1.29	1.35	2.16	2.48	2.63
		COP _d (declared COP)			5.16	5.14	5.11	4.54	4.80	4.31
		Power input			0.24	0.25	0.26	0.48	0.52	0.61
	C Condition (7°C)	Pd _h (declared heating cap)			0.96	0.94	0.93	1.43	1.70	1.67
		COP _d (declared COP)			6.34	6.26	6.25	6.32	6.02	5.64
		Power input			0.15			0.23	0.28	0.30
	D Condition (12°C)	Pd _h (declared heating cap)			0.99	1.08		1.54	1.98	1.96
		COP _d (declared COP)			7.99	7.85	7.72	7.69	7.18	6.82
		Power input			0.12	0.14		0.20	0.28	0.29
Power consumption in other than active mode	Crankcase heater mode	PCK			0					
		Off mode			1					
	Standby mode	Cooling	PSB	W	1					
		Heating	PSB	W	1					
	Thermo-stat-off mode	PTO	Cooling	W	6			7	12	
			Heating	W	7			13	14	
Cooling	C _{dc} (Degradation cooling)				0.25					
Heating	C _{dh} (Degradation heating)				0.25					
Cooling function included					Yes					
Heating function included					Yes					
Average climate included					Yes					
Cold season included					No					
Warm season included					Yes					
Eurovent	Sound power level outdoor	Cooling	Nom.	dB _A	59	58	61	62		63
		Cooling	Nom.	dB _A	57		58	60	58	60
	Piping length	Cooling	Measuring condition	m	5.00					

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Technical specifications				FTXM71R + RXM71R
Cooling capacity	Min.		kW	2.30
	Min.		Btu/h	7,800
	Min.		kcal/h	1,978
	Nom.		kW	7.10
	Nom.		Btu/h	24,200
	Nom.		kcal/h	6,105
	Max.		kW	8.50
	Max.		Btu/h	29,000
	Max.		kcal/h	7,309
Cooling capacity - Low sound mode (Stb. 2020, 189)	Min.		kcal/h	-
	Max.		kcal/h	-
Heating capacity	Min.		kW	2.30
	Min.		Btu/h	7,800
	Min.		kcal/h	2,000
	Nom.		kW	8.20
	Nom.		Btu/h	28,000
	Nom.		kcal/h	7,051
	Max.		kW	10.20
	Max.		Btu/h	34,800
	Max.		kcal/h	8,770
Power input	Cooling	Nom.	kW	2.34
	Heating	Nom.	kW	2.57
Nominal efficiency	EER			3.03
	COP			3.19
	Annual energy consumption		kWh	1,172
	Energy labeling	Cooling		B
	Directive	Heating		D
Space cooling	Energy efficiency class			A++
	Capacity	Pdesign	kW	7.10
	SEER			6.20
	Annual energy consumption		kWh/a	401
Space heating (Average climate)	Capacity	Pdesign	kW	6.20
	Energy efficiency class			A+
	SCOP/A			4.10
	SCOPnet/A			4.13
	Pdh Heating capacity at -10°		kW	5.01
Space heating (Average climate)	Annual energy consumption		kWh/a	2,117
	Required back up heating cap at design conditions		kW	1.19
Space heating (Warm climate)	Capacity	Pdesignh	kW	3.34
	Energy efficiency class			A+++
	SCOP			5.74
	SCOPnet			5.81
	Annual energy consumption		kWh/a	814
	Required back up heating cap at design conditions		kW	0.00
Space cooling	A Condition	Pdc	kW	7.10
	(35°C - 27/19)	EERd		3.03
		Power input	kW	2.34
	B Condition	Pdc	kW	5.24
	(30°C - 27/19)	EERd		4.88
		Power input	kW	1.07
	C Condition	Pdc	kW	3.37
	(25°C - 27/19)	EERd		7.39
		Power input	kW	0.46
	D Condition	Pdc	kW	2.60
	(20°C - 27/19)	EERd		9.69
		Power input	kW	0.27

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Technical specifications					FTXM71R + RXM71R	
Space heating (Average climate)	TOL	Tol (temperature operating limit)		°C	-15	
		Pdh (declared heating cap)		kW	4.23	
		COPd (declared COP)			1.75	
		Power input		kW	2.42	
	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	0.80			
C Condition (7°C)	Pdh (declared heating cap)		kW	2.32		
	COPd (declared COP)			5.80		
	Power input		kW	0.40		
Space heating (Average climate)	D Condition (12°C)	Pdh (declared heating cap)		kW	2.38	
		COPd (declared COP)			7.17	
		Power input		kW	0.33	
Space heating (Warm climate)	TOL	Tol (temperature operating limit)		°C	-15	
		Pdh (declared heating cap)		kW	4.23	
		COPd (declared COP)			1.75	
		Power input		kW	2.42	
	TBivalent	Tbiv (bivalent temperature)		°C	2	
		Pdh (declared heating cap)		kW	3.34	
		COPd (declared COP)			4.18	
		Power input		kW	0.80	
	B Condition (2°C)	Pdh (declared heating cap)		kW	3.34	
		COPd (declared COP)			4.18	
		Power input		kW	0.80	
	C Condition (7°C)	Pdh (declared heating cap)		kW	2.32	
		COPd (declared COP)			5.80	
		Power input		kW	0.40	
	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	Crankcase heater mode	PCK		W	0	
	Off mode	POFF		W	1	
	Standby mode	Cooling	PSB	W	1	
W				1		
Thermo-stat-off mode	PTO	Cooling	W	12		
		Heating	W	13		
Cooling	Cdc (Degradation cooling)			0.25		
Heating	Cdh (Degradation heating)			0.25		
Cooling function included					Yes	
Heating function included					Yes	
Average climate included					Yes	
Cold season included					No	
Warm season included					Yes	
Eurovent	Sound power level outdoor	Cooling	Nom.	dBa	66	
	Sound power level indoor	Cooling	Nom.	dBa	62	
Piping length					5.00	

Electrical specifications				FTXM20R + RXM20R	FTXM25R + RXM25R	FTXM35R + RXM35R	FTXM42R + RXM42R	FTXM50R + RXM50R	FTXM60R + RXM60R
Power factor	Nominal	Cooling	%	90.30	93.90	79.90	93.70	95.00	96.30
		Heating	%	92.30	92.80	90.00	96.20	96.10	98.80
Current	Nominal running current (RLA)	Cooling	A	2.00	2.60	4.40	5.20	6.22	6.80
	Nominal running current (RLA) - 50Hz	Heating	A	2.30	2.60	4.80	5.86	6.56	8.60
Current - 50Hz	Maximum fuse amps (MFA)		A	10.00	13.00		16.00		

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Electrical specifications				FTXM71R + RXM71R
Power factor	Nominal	Cooling	%	99.80
		Heating	%	99.50
Current	Nominal running current (RLA)	Cooling	A	9.67
	Nominal running current (RLA) - 50Hz	Heating	A	10.47
Current - 50Hz	Maximum fuse amps (MFA)		A	20.00

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				FVXM25F + RXM25R	FVXM35F + RXM35R	FVXM50F + RXM50R
Indoor unit				FVXM25FV1B	FVXM35FV1B	FVXM50FV1B9
Outdoor unit				RXM25RSV1B	RXM35RSV1B	RXM50RSV1B
Cooling capacity	Min.		kW	1.30		1.40
	Min.		Btu/h	4,435		4,776
	Min.		kcal/h	1,117		1,203
	Nom.		kW	2.50	3.50	5.00
	Nom.		Btu/h	8,530	11,943	17,061
	Nom.		kcal/h	2,150	3,009	4,299
	Max.		kW	3.00	3.80	5.60
	Max.		Btu/h	10,236	12,966	19,107
	Max.		kcal/h	2,579	3,267	4,815
Cooling capacity - Low sound mode (Stb. 2020, 189)	Min.		kcal/h	-	-	-
	Max.		kcal/h	-	-	-
Heating capacity	Min.		kW	1.30		1.40
	Min.		Btu/h	4,435		4,776
	Min.		kcal/h	1,117		1,203
	Nom.		kW	3.40	4.50	5.80
	Nom.		Btu/h	11,601	15,355	19,790
	Nom.		kcal/h	2,923	3,869	4,987
	Max.		kW	4.50	5.00	8.10
	Max.		Btu/h	15,354	17,060	27,638
	Max.		kcal/h	3,869	4,299	6,964
Power input	Cooling	Nom.	kW	0.60	1.09	1.55
	Heating	Nom.	kW	0.77	1.19	1.60
Nominal efficiency	EER			4.20	3.21	3.23
	COP			4.42	3.78	3.63
	Annual energy consumption		kWh	298	545	773
	Energy labeling	Cooling			A	
	Directive	Heating			A	
Space cooling	Energy efficiency class				A++	
	Capacity	Pdesign	kW	2.50	3.50	5.00
	SEER			7.20	6.43	6.80
	Annual energy consumption		kWh/a	120	190	257
Space heating (Average climate)	Capacity	Pdesign	kW	2.40	2.90	4.20
	Energy efficiency class				A+	
	SCOP/A			4.56		4.00
Space heating (Average climate)	SCOPnet/A			4.59	4.03	4.01
	Pdh Heating capacity at -10°		kW	2.23	2.40	2.23
	Annual energy consumption		kWh/a	737	1,015	1,471
	Required back up heating cap at design conditions		kW	0.17	0.50	1.97
Space heating (Warm climate)	Capacity	Pdesignh	kW	1.29	1.56	2.27
	Energy efficiency class				A+++	A++
	SCOP			5.81	5.44	4.96
	SCOPnet			5.93	5.52	5.01
	Annual energy consumption		kWh/a	311	402	641
	Required back up heating cap at design conditions		kW		0.00	
	A Condition	Pdc	kW	2.50	3.50	5.00
Space cooling	(35°C - 27/19)	EERd		4.20	3.21	3.23
		Power input	kW	0.60	1.09	1.55
	B Condition	Pdc	kW	1.84	2.58	3.68
	(30°C - 27/19)	EERd		6.36	4.75	5.07
		Power input	kW	0.29	0.54	0.73
	C Condition	Pdc	kW	1.17	1.68	2.38
	(25°C - 27/19)	EERd		8.43	7.62	8.44
		Power input	kW	0.14	0.22	0.28
	D Condition	Pdc	kW	0.98	0.95	2.29
	(20°C - 27/19)	EERd		11.48	11.50	11.88
		Power input	kW	0.09	0.08	0.19

2 Specifications

2 - 1 Specifications

2

Technical specifications					FVXM25F + RXM25R	FVXM35F + RXM35R	FVXM50F + RXM50R
Space heating (Average climate)	TOL	Tol (temperature operating limit) °C				-15	
		Pdh (declared heating cap) kW			2.09	2.12	3.96
		COPd (declared COP)			2.24	1.94	1.82
		Power input kW			0.93	1.09	2.18
	TBivalent	Tbiv (bivalent temperature) °C				-7	
		Pdh (declared heating cap) kW			2.12	2.57	3.72
		COPd (declared COP)			3.25	2.40	2.20
		Power input kW			0.65	1.07	1.69
	A Condition (-7°C)	Pdh (declared heating cap) kW			2.12	2.57	3.72
		COPd (declared COP)			3.25	2.40	2.20
		Power input kW			0.65	1.07	1.69
	B Condition (2°C)	Pdh (declared heating cap) kW			1.29	1.56	2.27
		COPd (declared COP)			4.39	4.03	4.32
		Power input kW			0.29	0.39	0.53
	C Condition (7°C)	Pdh (declared heating cap) kW			0.83	1.03	1.80
Space heating (Average climate)	C Condition (7°C)	COPd (declared COP)			5.79	5.11	5.13
		Power input kW			0.14	0.20	0.35
	D Condition (12°C)	Pdh (declared heating cap) kW			0.78	1.08	1.91
		COPd (declared COP)			7.27	7.24	6.25
		Power input kW			0.11	0.15	0.31
Space heating (Warm climate)	TOL	Tol (temperature operating limit) °C				-15	
		Pdh (declared heating cap) kW			2.09	2.12	3.96
		COPd (declared COP)			2.24	1.94	1.82
		Power input kW			0.93	1.09	2.18
	TBivalent	Tbiv (bivalent temperature) °C				2	
		Pdh (declared heating cap) kW			1.29	1.56	2.27
		COPd (declared COP)			4.39	4.03	4.32
		Power input kW			0.29	0.39	0.53
	B Condition (2°C)	Pdh (declared heating cap) kW			1.29	1.56	2.27
		COPd (declared COP)			4.39	4.03	4.32
		Power input kW			0.29	0.39	0.53
	C Condition (7°C)	Pdh (declared heating cap) kW			0.83	1.03	1.80
		COPd (declared COP)			5.79	5.11	5.13
		Power input kW			0.14	0.20	0.35
	D Condition (12°C)	Pdh (declared heating cap) kW			0.78	1.08	1.91
		COPd (declared COP)			7.27	7.24	6.25
		Power input kW			0.11	0.15	0.31
Power consumption in other than active mode	Off mode	POFF W				2.0	
	Standby mode	Cooling	PSB	W		2.0	
		Heating	PSB	W		2.0	
	Thermo-stat-off mode	PTO	Cooling	W		8.0	
			Heating	W		8.0	
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	
Ecolabel logo						No	
Eurovent	Sound power level outdoor	Cooling	Nom.	dB(A)	59	61	62
		Heating	Nom.	dB(A)	52		57
Eurovent	Sound power level indoor	Cooling	Nom.	dB(A)			
		Heating	Nom.	dB(A)			
Eurovent	Piping length	Cooling	Measuring condition	m		5.0	
		Heating	Measuring condition	m			

See separate drawing for electrical data |

See separate drawing for operation range |

Nominal cooling capacities are based on: indoor temperature: 27°CDB, 19°CWB, outdoor temperature: 35°CDB, equivalent refrigerant piping: 5m, level difference: 0m. |

Nominal heating capacities are based on: indoor temperature: 20°CDB, outdoor temperature: 7°CDB, 6°CWB, equivalent refrigerant piping: 5m, level difference: 0m.

Technical specifications					FTXM20N + RXM20R	FTXM25N + RXM25R	FTXM35N + RXM35R
Indoor unit					FTXM20N2V1B	FTXM25N2V1B	FTXM35N2V1B
Outdoor unit					RXM20R5V1B	RXM25R5V1B	RXM35R5V1B

2 Specifications

2 - 1 Specifications

Technical specifications				FTXM20N + RXM20R	FTXM25N + RXM25R	FTXM35N + RXM35R
Cooling capacity	Min.		kW	1.30		1.40
	Min.		Btu/h	4,400		4,800
	Min.		kcal/h	1,118		1,204
	Nom.		kW	2.00	2.50	3.40
	Nom.		Btu/h	6,800	8,500	11,600
	Nom.		kcal/h	1,720	2,150	2,923
	Max.		kW	2.60	3.20	4.00
	Max.		Btu/h	8,900	10,900	13,600
	Max.		kcal/h	2,236	2,752	3,439
Cooling capacity - Low sound mode (Stb. 2020, 189)	Min.		kcal/h	-		-
	Max.		kcal/h	-		-
Heating capacity	Min.		kW	1.30		1.40
	Min.		Btu/h	4,400		4,800
	Min.		kcal/h	1,100		1,200
	Nom.		kW	2.50	2.80	4.00
	Nom.		Btu/h	8,500	9,600	13,600
	Nom.		kcal/h	2,150	2,408	3,439
	Max.		kW	3.50	4.70	5.20
	Max.		Btu/h	11,900	16,000	17,700
	Max.		kcal/h	3,009	4,041	4,471
Power input	Cooling	Nom.	kW	0.44	0.56	0.80
	Heating	Nom.	kW	0.50	0.56	0.99
Nominal efficiency	EER			4.57	4.50	4.23
	COP			5.00		4.04
	Annual energy consumption		kWh	219	278	402
	Energy labeling	Cooling		A		-
	Directive	Heating		A		-
Space cooling	Energy efficiency class			A+++		-
	Capacity	Pdesign	kW	2.00	2.50	3.40
	SEER			8.65		-
	Annual energy consumption		kWh/a	81	101	138
Space heating (Average climate)	Capacity	Pdesign	kW	2.30	2.40	2.50
	Energy efficiency class			A+++		-
	SCOP/A			5.10		-
Space heating (Average climate)	SCOPnet/A			5.14		-
	Pdh Heating capacity at -10°		kW	2.24	2.30	2.35
	Annual energy consumption		kWh/a	632	659	687
	Required back up heating cap at design conditions		kW	0.06	0.10	0.15
Space heating (Warm climate)	Capacity	Pdesignh	kW	1.24	1.29	1.35
	Energy efficiency class			A+++		-
	SCOP			6.19	6.15	6.18
	SCOPnet			6.31	6.26	6.30
	Annual energy consumption		kWh/a	280	294	305
	Required back up heating cap at design conditions		kW	0.00		-
	A Condition	Pdc	kW	2.00	2.50	3.40
Space cooling	(35°C - 27/19)	EERd		4.57	4.50	4.23
		Power input	kW	0.44	0.56	0.80
	B Condition	Pdc	kW	1.47	1.84	2.51
	(30°C - 27/19)	EERd		6.88	6.60	6.25
		Power input	kW	0.21	0.28	0.40
	C Condition	Pdc	kW	1.18		1.61
	(25°C - 27/19)	EERd		10.52	10.03	10.19
		Power input	kW	0.11	0.12	0.16
	D Condition	Pdc	kW	1.05		1.07
	(20°C - 27/19)	EERd		16.53	16.37	16.36
		Power input	kW	0.06		0.07

2 Specifications

2 - 1 Specifications

2

Technical specifications					FTXM20N + RXM20R		FTXM25N + RXM25R		FTXM35N + RXM35R		
Space heating (Average climate)	TOL	Tol (temperature operating limit)			°C	-20					
		Pdh (declared heating cap)			kW	2.14					
		COPd (declared COP)				2.29			2.49		
		Power input			kW	0.93			0.86		
	TBivalent	Tbiv (bivalent temperature)			°C	-7					
		Pdh (declared heating cap)			kW	2.03		2.12		2.21	
		COPd (declared COP)				3.64		3.60		3.50	
		Power input			kW	0.56		0.59		0.63	
	A Condition (-7°C)	Pdh (declared heating cap)			kW	2.03		2.12		2.21	
		COPd (declared COP)				3.64		3.60		3.50	
		Power input			kW	0.56		0.59		0.63	
	B Condition (2°C)	Pdh (declared heating cap)			kW	1.24		1.29		1.34	
		COPd (declared COP)				5.10		5.13			
		Power input			kW	0.24		0.25		0.26	
	C Condition (7°C)	Pdh (declared heating cap)			kW	0.93		0.94		0.95	
Space heating (Average climate)	C Condition (7°C)	COPd (declared COP)				6.28		6.22			
		Power input			kW	0.15					
	D Condition (12°C)	Pdh (declared heating cap)			kW	0.97		0.98		1.09	
		COPd (declared COP)				7.99		7.81			
		Power input			kW	0.12		0.14			
Space heating (Warm climate)	TOL	Tol (temperature operating limit)			°C	-20					
		Pdh (declared heating cap)			kW	2.14			2.59		
		COPd (declared COP)				2.29			2.49		
		Power input			kW	0.93			1.04		
	TBivalent	Tbiv (bivalent temperature)			°C	2					
		Pdh (declared heating cap)			kW	1.24		1.29		1.34	
		COPd (declared COP)				5.10		5.13			
		Power input			kW	0.24		0.25		0.26	
	B Condition (2°C)	Pdh (declared heating cap)			kW	1.24		1.29		1.34	
		COPd (declared COP)				5.10		5.13			
		Power input			kW	0.24		0.25		0.26	
	C Condition (7°C)	Pdh (declared heating cap)			kW	0.93		0.94		0.95	
		COPd (declared COP)				6.28		6.22			
		Power input			kW	0.15					
	D Condition (12°C)	Pdh (declared heating cap)			kW	0.97		0.98		1.09	
COPd (declared COP)				7.99		7.81					
Power input			kW	0.12		0.14					
Power consumption in other than active mode	Off mode	POFF		W	1						
	Standby mode	Cooling	PSB	W	1						
		Heating	PSB	W	1						
	Thermo-stat-off mode	PTO	Cooling	W	6						
			Heating	W	7						
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						
Ecolabel logo					No						
Eurovent	Sound power level outdoor	Cooling	Nom.	dB(A)	59		58		61		
		Cooling	Nom.	dB(A)	57				58		
Eurovent	Piping length	Cooling	Measuring condition	m	5.00						

Electrical specifications					FTXM20N + RXM20R	FTXM25N + RXM25R	FTXM35N + RXM35R
Power factor	Nominal	Cooling	%		91.10	93.90	79.90
		Heating	%		97.60	98.20	90.00
Current	Nominal running current (RLA)	Cooling	A (2)		2.10	2.60	4.40
	Nominal running current (RLA) - 50Hz	Heating	A		2.20	2.50	4.80

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.

3 Electrical data

3 - 1 Electrical Data

RXM20-35R													
Unit combination restrictions		Power supply				COMP		OFM		IFM			
Outdoor unit	Indoor unit	Hz	Voltage	Voltage range	MCA	MFA	RHz	RLA	kW	FLA	kW	FLA	
RXM20N5V1B9	FTXM20R2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	8,93	10	32,5	1,7 1,6 1,6	0,048	0,320	0,029	0,30	
		50	230										
		50	240										
RXM25N5V1B9	FTXM25R2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	9,71	13	46,0	2,3 2,2 2,1	0,040	0,280	0,025	0,30	
		50	230										
		50	240										
RXM35N5V1B9	FTXM35R2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	9,76	13	60,0	3,3 3,2 3,0	0,048	0,320	0,030	0,30	
		50	230										
		50	240										
ARXM25N5V1B9	ATXM25R2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	9,71	13	46,0	2,3 2,2 2,1	0,040	0,280	0,025	0,30	
		50	230										
		50	240										
ARXM35N5V1B9	ATXM35R2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	9,76	13	60,0	3,3 3,2 3,0	0,048	0,320	0,030	0,30	
		50	230										
		50	240										
RXM20N5V1B9	FTXM20R5V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	8,93	10	32,5	1,7 1,6 1,6	0,048	0,320	0,029	0,30	
		50	230										
		50	240										
RXM25N5V1B9	FTXM25R5V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	9,71	13	46,0	2,3 2,2 2,1	0,040	0,280	0,025	0,30	
		50	230										
		50	240										
RXM35N5V1B9	FTXM35R5V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	9,76	13	60,0	3,3 3,2 3,0	0,048	0,320	0,030	0,30	
		50	230										
		50	240										
ARXM25N5V1B9	ATXM25R5V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	9,71	13	46,0	2,3 2,2 2,1	0,040	0,280	0,025	0,30	
		50	230										
		50	240										
ARXM35N5V1B9	ATXM35R5V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	9,76	13	60,0	3,3 3,2 3,0	0,048	0,320	0,030	0,30	
		50	230										
		50	240										
RXM20R5V1B	FTXM20N2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	8,84	10	35,0	2,0 2,1 2,2	0,048	0,320	0,022	0,22	
		50	230										
		50	240										
RXM25R5V1B	FTXM25N2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	9,63	13	46,0	2,6 2,7 2,8	0,040	0,280	0,022	0,22	
		50	230										
		50	240										
RXM35R5V1B	FTXM35N2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	9,70	13	60,0	4,2 4,4 4,6	0,048	0,320	0,027	0,25	
		50	230										
		50	240										
ARXM25R5V1B	ATXM25N2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	9,63	13	46,0	2,6 2,7 2,8	0,040	0,280	0,022	0,22	
		50	230										
		50	240										
ARXM35R5V1B	ATXM35N2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	9,70	13	60,0	4,2 4,4 4,6	0,048	0,320	0,027	0,25	
		50	230										
		50	240										

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.

4D130653

3 Electrical data

3 - 1 Electrical Data

3

ARX25-35R

RXM20-35R

RXM42R(2)

Unit combination restrictions		Power supply					COMP		OFM		IFM	
Indoor unit	Outdoor unit	Hz	Voltage	Voltage range	MCA	MFA	RHz	RLA	kW	FLA	kW	FLA
RXM20R5V1B	FTXM20R2V1B	50	220	Maximum :50-Hz :264-V	8,93	10	32,5	1,7	0,048	0,320	0,029	0,30
		50	230					1,6				
		50	240	Minimum :50-Hz :198-V				1,6				
RXM25R5V1B	FTXM25R2V1B	50	220	Maximum :50-Hz :264-V	9,71	13	46,0	2,3	0,040	0,280	0,025	0,30
		50	230					2,2				
		50	240	Minimum :50-Hz :198-V				2,1				
RXM25R5V1B	FFA25A2VEB9	50	220	Maximum :50-Hz :264-V	10,79	13	40,0	2,3	0,040	0,280	0,050	0,20
		50	230					2,5				
		50	240	Minimum :50-Hz :198-V				2,6				
RXM25R5V1B	FDXM25F3V1B9	50	220	Maximum :50-Hz :264-V	10,92	13	39,0	2,1	0,040	0,280	0,034	0,30
		50	230					2,2				
		50	240	Minimum :50-Hz :198-V				2,3				
RXM25R5V1B	FNA25A2VEB9	50	220	Maximum :50-Hz :264-V	11,17	13	43,0	2,3	0,040	0,280	0,034	0,50
		50	230					2,4				
		50	240	Minimum :50-Hz :198-V				2,5				
RXM35R5V1B	FTXM35R2V1B	50	220	Maximum :50-Hz :264-V	9,76	13	60,0	3,3	0,048	0,320	0,030	0,30
		50	230					3,2				
		50	240	Minimum :50-Hz :198-V				3,0				
RXM35R5V1B	FCAG35BVEB	50	220	Maximum :50-Hz :264-V	10,92	13	63,0	3,6	0,048	0,320	0,048	0,30
		50	230					3,8				
		50	240	Minimum :50-Hz :198-V				4,0				
RXM35R5V1B	FBA35A2VEB9	50	220	Maximum :50-Hz :264-V	12,29	13	56,0	3,3	0,048	0,320	0,089	1,40
		50	230					3,5				
		50	240	Minimum :50-Hz :198-V				3,6				
RXM35R5V1B	FHA35AVEB99	50	220	Maximum :50-Hz :264-V	11,29	13	64,0	3,8	0,048	0,320	0,090	0,60
		50	230					4,0				
		50	240	Minimum :50-Hz :198-V				4,2				
RXM35R5V1B	FFA35A2VEB9	50	220	Maximum :50-Hz :264-V	10,79	13	64,0	3,6	0,048	0,320	0,050	0,20
		50	230					3,8				
		50	240	Minimum :50-Hz :198-V				4,0				
RXM35R5V1B	FDXM35F3V1B9	50	220	Maximum :50-Hz :264-V	10,92	13	65,0	3,6	0,048	0,320	0,034	0,30
		50	230					3,8				
		50	240	Minimum :50-Hz :198-V				3,9				
RXM35R5V1B	FNA35A2VEB9	50	220	Maximum :50-Hz :264-V	11,17	13	65,0	3,6	0,048	0,320	0,034	0,50
		50	230					3,8				
		50	240	Minimum :50-Hz :198-V				3,9				
ARXM25R5V1B	ATXM25R2V1B	50	220	Maximum :50-Hz :264-V	9,71	13	46,0	2,3	0,040	0,280	0,025	0,30
		50	230					2,2				
		50	240	Minimum :50-Hz :198-V				2,1				
ARXM35R5V1B	ATXM35R2V1B	50	220	Maximum :50-Hz :264-V	9,76	13	60,0	3,3	0,048	0,320	0,030	0,30
		50	230					3,2				
		50	240	Minimum :50-Hz :198-V				3,0				
RXM42R2V1B	FTXM42R2V1B	50	220	Maximum :50-Hz :264-V	10,36	13	47,5	4,3	0,056	0,370	0,034	0,30
		50	230					4,1				
		50	240	Minimum :50-Hz :198-V				4,0				
RXM20R5V1B	FTXM20R5V1B	50	220	Maximum :50-Hz :264-V	8,93	10	32,5	1,7	0,048	0,320	0,029	0,30
		50	230					1,6				
		50	240	Minimum :50-Hz :198-V				1,6				
RXM25R5V1B	FTXM25R5V1B	50	220	Maximum :50-Hz :264-V	9,71	13	46,0	2,3	0,040	0,280	0,025	0,30
		50	230					2,2				
		50	240	Minimum :50-Hz :198-V				2,1				
RXM35R5V1B	FTXM35R5V1B	50	220	Maximum :50-Hz :264-V	9,76	13	60,0	3,3	0,048	0,320	0,030	0,30
		50	230					3,2				
		50	240	Minimum :50-Hz :198-V				3,0				
RXM42R2V1B	FTXM42R5V1B	50	220	Maximum :50-Hz :264-V	10,36	13	47,5	4,3	0,056	0,370	0,034	0,30
		50	230					4,1				
		50	240	Minimum :50-Hz :198-V				4,0				
ARXM25R5V1B	ATXM25R5V1B	50	220	Maximum :50-Hz :264-V	9,71	13	46,0	2,3	0,040	0,280	0,025	0,30
		50	230					2,2				
		50	240	Minimum :50-Hz :198-V				2,1				
ARXM35R5V1B	ATXM35R5V1B	50	220	Maximum :50-Hz :264-V	9,76	13	60,0	3,3	0,048	0,320	0,030	0,30
		50	230					3,2				
		50	240	Minimum :50-Hz :198-V				3,0				
RXM25R5V1B	FVXM25A2V1B	50	220	Maximum :50-Hz :264-V	9,54	13	41,0	2,6	0,040	0,280	0,037	0,14
		50	230					2,5				
		50	240	Minimum :50-Hz :198-V				2,4				
RXM35R5V1B	FVXM35A2V1B	50	220	Maximum :50-Hz :264-V	9,58	13	62,0	3,8	0,048	0,320	0,037	0,14
		50	230					3,7				
		50	240	Minimum :50-Hz :198-V				3,6				

Symbols

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

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.

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3 Electrical data

3 - 1 Electrical Data

RXM42R

Unit combination restrictions		Power supply					COMP		OFM		IFM	
Outdoor unit	Indoor unit	Hz	Voltage	Voltage range	MCA	MFA	RHz	RLA	kW	FLA	kW	FLA
RXM42R5V1B	FTXM42R2V1B	50	220	Maximum · 50-Hz · 264-V	10.36	13	47.5	4.3	0.056	0.370	0.034	0.30
		50	230					4.1				
		50	240	Minimum · 50-Hz · 198-V				4.0				
RXM42R5V1B	FTXM42R5V1B	50	220	Maximum · 50-Hz · 264-V	10.36	13	47.5	4.3	0.056	0.370	0.034	0.30
		50	230					4.1				
		50	240	Minimum · 50-Hz · 198-V				4.0				

SYMBOLS

MCA: Minimum Circuit Ampere [A]
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 Ampere [A]
kW: Fan motor rated output [kW]
RHz: Rated operating frequency [Hz]

NOTES:

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

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3 Electrical data

3 - 1 Electrical Data

3

RXM42-71R(2) ARXM50-71R(2)

Unit combination restrictions		Power supply					COMP		OFM		IFM	
Outdoor unit	Indoor unit	Hz	Voltage	Voltage range	MCA	MFA	RHz	RLA	kW	FLA	kW	FLA
ARXM50R2V1B	ADEA50A2VEB	50	220	Maximum ·50·Hz ·264·V	15,42	16	55	5,2	0,06	0,37	0,089	1,40
		50	230					5,0				
		50	240	Minimum ·50·Hz ·198·V				4,8				
ARXM60R2V1B	ADEA60A2VEB	50	220	Maximum ·50·Hz ·264·V	15,86	16	66	6,2	0,06	0,37	0,070	1,30
		50	230					6,0				
		50	240	Minimum ·50·Hz ·198·V				5,7				
ARXM71R2V1B	ADEA71A2VEB	50	220	Maximum ·50·Hz ·264·V	15,83	16	81	8,2	0,06	0,37	0,070	1,30
		50	230					7,8				
		50	240	Minimum ·50·Hz ·198·V				7,5				
ARXM71R2V1B	FCAG71BVEB	50	220	Maximum ·50·Hz ·264·V	14,93	16	81	8,1	0,06	0,37	0,054	0,40
		50	230					7,7				
		50	240	Minimum ·50·Hz ·198·V				7,4				
ARXM71R2V1B	FBA71A2VEB9	50	220	Maximum ·50·Hz ·264·V	15,83	16	81	8,2	0,06	0,37	0,070	1,30
		50	230					7,8				
		50	240	Minimum ·50·Hz ·198·V				7,5				
ARXM71R2V1B	FAA71BUB1B	50	220	Maximum ·50·Hz ·264·V	14,93	16	83	8,3	0,06	0,37	0,048	0,40
		50	230					7,9				
		50	240	Minimum ·50·Hz ·198·V				7,6				
RXM42R2V1B	FTXM42R2V1B	50	220	Maximum ·50·Hz ·264·V	10,36	13	48	4,3	0,06	0,37	0,034	0,30
		50	230					4,1				
		50	240	Minimum ·50·Hz ·198·V				4,0				
RXM42R2V1B	FTXM42R5V1B	50	220	Maximum ·50·Hz ·264·V	10,36	13	48	4,3	0,06	0,37	0,034	0,30
		50	230					4,1				
		50	240	Minimum ·50·Hz ·198·V				4,0				
RXM50R2V1B	FTXM50R2V1B	50	220	Maximum ·50·Hz ·264·V	14,54	16	54	4,7	0,06	0,37	0,046	0,60
		50	230					4,5				
		50	240	Minimum ·50·Hz ·198·V				4,3				
ARXM50R2V1B	ATXM50R2V1B	50	220	Maximum ·50·Hz ·264·V	14,54	16	54	4,7	0,06	0,37	0,046	0,60
		50	230					4,5				
		50	240	Minimum ·50·Hz ·198·V				4,3				
RXM50R2V1B	FCAG50BVEB	50	220	Maximum ·50·Hz ·264·V	14,21	16	58	5,2	0,06	0,37	0,048	0,30
		50	230					5,0				
		50	240	Minimum ·50·Hz ·198·V				4,8				
RXM50R2V1B	FBA50A2VEB9	50	220	Maximum ·50·Hz ·264·V	15,42	16	55	5,2	0,06	0,37	0,089	1,40
		50	230					5,0				
		50	240	Minimum ·50·Hz ·198·V				4,8				
RXM50R2V1B	FHA50AVEB99	50	220	Maximum ·50·Hz ·264·V	14,54	16	64	5,5	0,06	0,37	0,090	0,60
		50	230					5,3				
		50	240	Minimum ·50·Hz ·198·V				5,2				
RXM50R2V1B	FFA50A2VEB9	50	220	Maximum ·50·Hz ·264·V	14,32	16	62	5,6	0,06	0,37	0,050	0,40
		50	230					5,4				
		50	240	Minimum ·50·Hz ·198·V				5,3				
RXM50R2V1B	FDXM50F3V1B9	50	220	Maximum ·50·Hz ·264·V	14,87	16	55	4,9	0,06	0,37	0,060	0,90
		50	230					4,7				
		50	240	Minimum ·50·Hz ·198·V				4,5				
RXM50R2V1B	FNA50A2VEB9	50	220	Maximum ·50·Hz ·264·V	14,43	16	55	4,9	0,06	0,37	0,060	0,50
		50	230					4,7				
		50	240	Minimum ·50·Hz ·198·V				4,5				
RXM50R2V1B	FVXM50FV1B9	50	220	Maximum ·50·Hz ·264·V	14,32	16	60	5,4	0,06	0,37	0,048	0,10
		50	230					5,2				
		50	240	Minimum ·50·Hz ·198·V				5,0				
RXM60R2V1B	FTXM60R2V1B	50	220	Maximum ·50·Hz ·264·V	15,09	16	70	6,6	0,06	0,37	0,046	0,60
		50	230					6,3				
		50	240	Minimum ·50·Hz ·198·V				6,0				
RXM60R2V1B	FCAG60BVEB	50	220	Maximum ·50·Hz ·264·V	14,76	16	71	6,5	0,06	0,37	0,048	0,30
		50	230					6,3				
		50	240	Minimum ·50·Hz ·198·V				6,2				
RXM60R2V1B	FBA60A2VEB9	50	220	Maximum ·50·Hz ·264·V	15,86	16	66	6,1	0,06	0,37	0,070	1,30
		50	230					6,0				
		50	240	Minimum ·50·Hz ·198·V				5,8				
RXM60R2V1B	FHA60AVEB99	50	220	Maximum ·50·Hz ·264·V	15,09	16	62	5,5	0,06	0,37	0,091	0,60
		50	230					5,3				
		50	240	Minimum ·50·Hz ·198·V				5,1				
RXM60R2V1B	FFA60A2VEB9	50	220	Maximum ·50·Hz ·264·V	15,09	16	70	6,5	0,06	0,37	0,050	0,60
		50	230					6,3				
		50	240	Minimum ·50·Hz ·198·V				6,2				
RXM60R2V1B	FDXM60F3V1B9	50	220	Maximum ·50·Hz ·264·V	15,42	16	73	6,7	0,06	0,37	0,060	0,90
		50	230					6,5				
		50	240	Minimum ·50·Hz ·198·V				6,4				
RXM60R2V1B	FNA60A2VEB9	50	220	Maximum ·50·Hz ·264·V	15,09	16	73	6,7	0,06	0,37	0,060	0,60
		50	230					6,5				
		50	240	Minimum ·50·Hz ·198·V				6,4				
RXM71R2V1B	FTXM71R2V1B	50	220	Maximum ·50·Hz ·264·V	19,78	20	54	9,4	0,13	0,38	0,052	0,60
		50	230					8,9				
		50	240	Minimum ·50·Hz ·198·V				8,6				

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

3 Electrical data

3 - 1 Electrical Data

RXM50R

Unit combination restrictions		Power supply					COMP		OFM		IFM	
Indoor unit	Outdoor unit	Hz	Voltage	Voltage range	MCA	MFA	RHz	RLA	kW	FLA	kW	FLA
RXM42N2V1B9	FTXM42N2V1B	50	220					4.4				
		50	230	Maximum :50-Hz :264-V	11.62	13	49	4.2	0.056	0.37	0.028	0.22
		50	240	Minimum :50-Hz :198-V				3.9				
RXM50N2V1B9	FTXM50N2V1B	50	220					3.8				
		50	230	Maximum :50-Hz :264-V	12.00	13	52	3.5	0.056	0.37	0.046	0.6
		50	240	Minimum :50-Hz :198-V				3.2				
ARXM50N2V1B9	ATXM50N2V1B	50	220					3.8				
		50	230	Maximum :50-Hz :264-V	12.00	13	52	3.5	0.056	0.37	0.046	0.6
		50	240	Minimum :50-Hz :198-V				3.2				
RXM50N2V1B9	FCAG50AVEB	50	220					5.2				
		50	230	Maximum :50-Hz :264-V	11.70	13	58	5.0	0.056	0.37	0.048	0.3
		50	240	Minimum :50-Hz :198-V				4.8				
RXM50N2V1B9	FBA50AVEB	50	220					5.2				
		50	230	Maximum :50-Hz :264-V	12.80	13	55	5.0	0.056	0.37	0.089	1.4
		50	240	Minimum :50-Hz :198-V				4.8				
RXM50N2V1B9	FHA50AVEB	50	220					5.5				
		50	230	Maximum :50-Hz :264-V	12.00	13	64	5.3	0.056	0.37	0.090	0.6
		50	240	Minimum :50-Hz :198-V				5.2				
RXM50N2V1B9	FFA50A2VEB	50	220					5.6				
		50	230	Maximum :50-Hz :264-V	11.80	13	62	5.4	0.056	0.37	0.050	0.4
		50	240	Minimum :50-Hz :198-V				5.3				
RXM50N2V1B9	FDXM50F3V1B	50	220					4.9				
		50	230	Maximum :50-Hz :264-V	12.30	13	55	4.7	0.056	0.37	0.060	0.9
		50	240	Minimum :50-Hz :198-V				4.5				
RXM50N2V1B9	FNA50A2VEB	50	220					4.9				
		50	230	Maximum :50-Hz :264-V	11.90	13	55	4.7	0.056	0.37	0.060	0.5
		50	240	Minimum :50-Hz :198-V				4.5				
RXM50N2V1B9	FVXM50FV1B	50	220					5.4				
		50	230	Maximum :50-Hz :264-V	11.50	13	60	5.2	0.056	0.37	0.048	0.1
		50	240	Minimum :50-Hz :198-V				5.0				
RXM60N2V1B9	FTXM60N2V1B	50	220					5.9				
		50	230	Maximum :50-Hz :264-V	15.13	16	66	5.7	0.056	0.37	0.046	0.6
		50	240	Minimum :50-Hz :198-V				5.5				
RXM60N2V1B9	FCAG60AVEB	50	220					6.5				
		50	230	Maximum :50-Hz :264-V	14.83	16	71	6.3	0.056	0.37	0.048	0.3
		50	240	Minimum :50-Hz :198-V				6.2				
RXM60N2V1B9	FBA60AVEB	50	220					6.1				
		50	230	Maximum :50-Hz :264-V	15.83	16	66	6.0	0.056	0.37	0.070	1.3
		50	240	Minimum :50-Hz :198-V				5.8				
RXM60N2V1B9	FHA60AVEB	50	220					5.5				
		50	230	Maximum :50-Hz :264-V	15.13	16	62	5.3	0.056	0.37	0.091	0.6
		50	240	Minimum :50-Hz :198-V				5.1				
RXM60N2V1B9	FFA60A2VEB	50	220					6.5				
		50	230	Maximum :50-Hz :264-V	15.13	16	70	6.3	0.056	0.37	0.050	0.6
		50	240	Minimum :50-Hz :198-V				6.2				
RXM60N2V1B9	FDXM60F3V1B	50	220					6.7				
		50	230	Maximum :50-Hz :264-V	15.43	16	73	6.5	0.056	0.37	0.060	0.9
		50	240	Minimum :50-Hz :198-V				6.4				
RXM60N2V1B9	FNA60A2VEB	50	220					6.7				
		50	230	Maximum :50-Hz :264-V	15.13	16	73	6.5	0.056	0.37	0.060	0.6
		50	240	Minimum :50-Hz :198-V				6.4				
RXM50R2V1B	FVXM50A2V1B	50	220					5.3				
		50	230	Maximum :50-Hz :264-V	14.04	16	58	5.1	0.056	0.37	0.037	0.14
		50	240	Minimum :50-Hz :198-V				4.9				
RXM50N2V1B9	FTXM50R2V1B	50	220					4.7				
		50	230	Maximum :50-Hz :264-V	10.69	13	54	4.5	0.056	0.37	0.046	0.6
		50	240	Minimum :50-Hz :198-V				4.3				
ARXM50N2V1B9	ATXM50R2V1B	50	220					4.7				
		50	230	Maximum :50-Hz :264-V	10.69	13	54	4.5	0.056	0.37	0.046	0.6
		50	240	Minimum :50-Hz :198-V				4.3				
RXM60N2V1B9	FTXM60R2V1B	50	220					6.6				
		50	230	Maximum :50-Hz :264-V	13.44	16	70	6.3	0.056	0.37	0.046	0.6
		50	240	Minimum :50-Hz :198-V				6.0				
RXM71N2V1B	FTXM71R2V1B	50	220					7.9				
		50	230	Maximum :50-Hz :264-V	18.30	20	54	7.2	0.128	0.38	0.052	0.34
		50	240	Minimum :50-Hz :198-V				6.9				

SYMBOLS

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

Notes

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

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3 Electrical data

3 - 1 Electrical Data

RXM50R

Unit combination restrictions		Power supply					COMP		OFM		IFM	
Outdoor unit	Indoor unit	Hz	Voltage	Voltage range	MCA	MFA	RHz	RLA	kW	FLA	kW	FLA
RXM50R5V1B	FVXM50A2V1B	50	220	Maximum :50-Hz :264-V	14.04	16	58	5.3	0.056	0.37	0.037	0.14
		50	230					5.1				
		50	240	Minimum :50-Hz :198-V				4.9				

SYMBOLS

MCA: Minimum Circuit Ampere [A]
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 Ampere [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.

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3 Electrical data

3 - 1 Electrical Data

RXM42-60R(5)

ARXM50-71R(5)

Unit combination restrictions		Power supply					COMP		OFM		IFM	
Outdoor unit	Indoor unit	Hz	Voltage	Voltage range	MCA	MFA	RHz	RLA	kW	FLA	kW	FLA
ARXM50R5V1B	ADEA50A2VEB	50	220	Maximum :50-Hz :264-V	15,42	16	55	5,2	0,056	0,37	0,089	1,40
		50	230					5,0				
		50	240	Minimum :50-Hz :198-V				4,8				
ARXM60R5V1B	ADEA60A2VEB	50	220	Maximum :50-Hz :264-V	15,86	16	66	6,2	0,056	0,37	0,070	1,30
		50	230					6,0				
		50	240	Minimum :50-Hz :198-V				5,7				
ARXM71R5V1B	ADEA71A2VEB	50	220	Maximum :50-Hz :264-V	15,83	16	81	8,2	0,056	0,37	0,070	1,30
		50	230					7,8				
		50	240	Minimum :50-Hz :198-V				7,5				
ARXM71R5V1B	FCAG71BVEB	50	220	Maximum :50-Hz :264-V	14,93	16	81	8,1	0,056	0,37	0,054	0,40
		50	230					7,7				
		50	240	Minimum :50-Hz :198-V				7,4				
ARXM71R5V1B	FBA71A2VEB9	50	220	Maximum :50-Hz :264-V	15,83	16	81	8,2	0,056	0,37	0,070	1,30
		50	230					7,8				
		50	240	Minimum :50-Hz :198-V				7,5				
ARXM71R5V1B	FAA71BUV1B	50	220	Maximum :50-Hz :264-V	14,93	16	83	8,3	0,056	0,37	0,048	0,40
		50	230					7,9				
		50	240	Minimum :50-Hz :198-V				7,6				
RXM42R5V1B	FTXM42R2V1B	50	220	Maximum :50-Hz :264-V	10,36	13	48	4,3	0,056	0,37	0,034	0,30
		50	230					4,1				
		50	240	Minimum :50-Hz :198-V				4,0				
RXM42R5V1B	FTXM42R5V1B	50	220	Maximum :50-Hz :264-V	10,36	13	48	4,3	0,056	0,37	0,034	0,30
		50	230					4,1				
		50	240	Minimum :50-Hz :198-V				4,0				
RXM50R5V1B	FTXM50R2V1B	50	220	Maximum :50-Hz :264-V	14,54	16	54	4,7	0,056	0,37	0,046	0,60
		50	230					4,5				
		50	240	Minimum :50-Hz :198-V				4,3				
ARXM50R5V1B	ATXM50R2V1B	50	220	Maximum :50-Hz :264-V	14,54	16	54	4,7	0,056	0,37	0,046	0,60
		50	230					4,5				
		50	240	Minimum :50-Hz :198-V				4,3				
RXM50R5V1B	FCAG50BVEB	50	220	Maximum :50-Hz :264-V	14,21	16	58	5,2	0,056	0,37	0,048	0,30
		50	230					5,0				
		50	240	Minimum :50-Hz :198-V				4,8				
RXM50R5V1B	FBA50A2VEB9	50	220	Maximum :50-Hz :264-V	15,42	16	55	5,2	0,056	0,37	0,089	1,40
		50	230					5,0				
		50	240	Minimum :50-Hz :198-V				4,8				
RXM50R5V1B	FHA50AVEB9	50	220	Maximum :50-Hz :264-V	14,54	16	64	5,5	0,056	0,37	0,090	0,60
		50	230					5,3				
		50	240	Minimum :50-Hz :198-V				5,2				
RXM50R5V1B	FFA50A2VEB9	50	220	Maximum :50-Hz :264-V	14,32	16	62	5,6	0,056	0,37	0,050	0,40
		50	230					5,4				
		50	240	Minimum :50-Hz :198-V				5,3				
RXM50R5V1B	FDXM50F3V1B9	50	220	Maximum :50-Hz :264-V	14,87	16	55	4,9	0,056	0,37	0,060	0,90
		50	230					4,7				
		50	240	Minimum :50-Hz :198-V				4,5				
RXM50R5V1B	FNA50A2VEB9	50	220	Maximum :50-Hz :264-V	14,43	16	55	4,9	0,056	0,37	0,060	0,50
		50	230					4,7				
		50	240	Minimum :50-Hz :198-V				4,5				
RXM50R5V1B	FVXM50FV1B9	50	220	Maximum :50-Hz :264-V	14,32	16	60	5,4	0,056	0,37	0,048	0,10
		50	230					5,2				
		50	240	Minimum :50-Hz :198-V				5,0				
RXM60R5V1B	FTXM60R2V1B	50	220	Maximum :50-Hz :264-V	15,09	16	70	6,6	0,056	0,37	0,046	0,60
		50	230					6,3				
		50	240	Minimum :50-Hz :198-V				6,0				
RXM60R5V1B	FCAG60BVEB	50	220	Maximum :50-Hz :264-V	14,76	16	71	6,5	0,056	0,37	0,048	0,30
		50	230					6,3				
		50	240	Minimum :50-Hz :198-V				6,2				
RXM60R5V1B	FBA60A2VEB9	50	220	Maximum :50-Hz :264-V	15,86	16	66	6,1	0,056	0,37	0,070	1,30
		50	230					6,0				
		50	240	Minimum :50-Hz :198-V				5,8				
RXM60R5V1B	FHA60AVEB9	50	220	Maximum :50-Hz :264-V	15,09	16	62	5,5	0,056	0,37	0,091	0,60
		50	230					5,3				
		50	240	Minimum :50-Hz :198-V				5,1				
RXM60R5V1B	FFA60A2VEB9	50	220	Maximum :50-Hz :264-V	15,09	16	70	6,5	0,056	0,37	0,050	0,60
		50	230					6,3				
		50	240	Minimum :50-Hz :198-V				6,2				
RXM60R5V1B	FDXM60F3V1B9	50	220	Maximum :50-Hz :264-V	15,42	16	73	6,7	0,056	0,37	0,060	0,90
		50	230					6,5				
		50	240	Minimum :50-Hz :198-V				6,4				
RXM60R5V1B	FNA60A2VEB9	50	220	Maximum :50-Hz :264-V	15,09	16	73	6,7	0,056	0,37	0,060	0,60
		50	230					6,5				
		50	240	Minimum :50-Hz :198-V				6,4				
RXM71R5V1B	FTXM71R2V1B	50	220	Maximum :50-Hz :264-V	19,78	20	54	9,4	0,128	0,38	0,052	0,60
		50	230					8,9				
		50	240	Minimum :50-Hz :198-V				8,6				

Symbols

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

Notes

- The ·RLA· is based on the following conditions.
Outdoor temperature :35.0·°C DB
Indoor temperature :27.0·°C DB / ·19.0·°C WB
- Select the wire size according to the MCA.</

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FTXM20N / RXM20R

Cooling ·220-240V 50Hz·

AFR	11,1
BF	0,16

①	②	③																	
		20			25			30			32			35			40		
		TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14	20	2,05	1,76	0,34	1,96	1,72	0,37	1,86	1,68	0,40	1,83	1,66	0,42	1,77	1,64	0,44	1,68	1,59	0,47
16	22	2,14	1,76	0,34	2,05	1,69	0,37	1,95	1,65	0,41	1,92	1,64	0,42	1,86	1,62	0,44	1,77	1,58	0,47
18	25	2,23	1,85	0,34	2,14	1,81	0,38	2,05	1,78	0,41	2,01	1,76	0,42	1,95	1,74	0,44	1,86	1,70	0,47
19	27	2,28	1,98	0,34	2,19	1,95	0,38	2,09	1,91	0,41	2,06	1,90	0,42	2,00	1,88	0,44	1,91	1,84	0,47
22	30	2,42	1,92	0,35	2,32	1,89	0,38	2,23	1,86	0,41	2,19	1,85	0,42	2,14	1,83	0,44	2,05	1,80	0,47
24	32	2,51	1,88	0,35	2,42	1,86	0,38	2,32	1,83	0,41	2,29	1,82	0,43	2,23	1,80	0,44	2,14	1,77	0,48

Symbols

TC: Total capacity [kW]
PI: Power input [kW]
SHC: Sensible heat capacity [kW]
AFR: Air flow rate [m³/min]
BF: Bypass factor

Heating ·220-240V 50Hz·

AFR	10,4
-----	------

②	④											
	-15		-10		-5		0		6		10	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15	1,19	0,32	1,43	0,34	1,67	0,36	2,25	0,46	2,59	0,49	2,81	0,51
20	1,12	0,33	1,36	0,35	1,60	0,37	2,16	0,47	2,50	0,50	2,73	0,52
22	1,09	0,34	1,33	0,36	1,57	0,37	2,13	0,48	2,47	0,50	2,69	0,52
24	1,06	0,34	1,30	0,36	1,54	0,38	2,09	0,48	2,43	0,51	2,66	0,53
25	1,04	0,34	1,28	0,36	1,52	0,38	2,07	0,49	2,41	0,51	2,64	0,53
27	1,01	0,35	1,25	0,37	1,49	0,38	2,04	0,49	2,38	0,52	2,61	0,54

① Indoor air temperature [°C WB]
② Indoor air temperature [°C DB]
③ Outdoor air temperature [°C DB]
④ Outdoor air temperature [°C WB]

Notes

- The capacities are based on the following conditions:
Corresponding refrigerant piping length: ·5,0· m
Level difference: ·0·m
- The bold cells indicate the standard conditions.
Rated operating frequency [Hz]

3D099850F

FTXM20R / RXM20R

Cooling

50Hz 220 -240V

AFR	10,48
BF	0,08

INDOOR		Outdoor temperature [° C DB]																	
EWB	EDB	20			25			30			32			35			40		
		TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14	20	2,05	2,05	0,34	1,96	1,96	0,37	1,86	1,86	0,40	1,83	1,83	0,41	1,77	1,77	0,43	1,68	1,68	0,47
16	22	2,14	1,95	0,34	2,05	1,98	0,37	1,95	1,95	0,40	1,92	1,92	0,42	1,86	1,86	0,43	1,77	1,77	0,47
18	25	2,23	2,23	0,34	2,14	2,14	0,37	2,05	2,05	0,40	2,01	2,01	0,42	1,95	1,95	0,44	1,86	1,86	0,47
19	27	2,28	2,28	0,34	2,19	2,19	0,37	2,09	2,09	0,41	2,06	2,06	0,42	2,00	2,00	0,44	1,91	1,91	0,47
22	30	2,42	2,32	0,34	2,32	2,32	0,38	2,23	2,23	0,41	2,19	2,19	0,42	2,14	2,14	0,44	2,05	2,05	0,47
24	32	2,51	2,07	0,35	2,42	2,14	0,38	2,32	2,25	0,41	2,29	2,29	0,42	2,23	2,23	0,44	2,14	2,14	0,47

Heating

50Hz 220 -240V

AFR	9,33
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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	1.19	0.32	1.43	0.34	1.67	0.36	1.94	0.46	2.59	0.49	2.81	0.51
20	1.12	0.33	1.36	0.35	1.60	0.37	1.86	0.47	2.50	0.50	2.73	0.52
22	1.09	0.34	1.33	0.36	1.57	0.37	1.83	0.48	2.47	0.50	2.69	0.52
24	1.06	0.34	1.30	0.36	1.54	0.38	1.80	0.48	2.43	0.51	2.66	0.53
25	1.04	0.34	1.28	0.36	1.52	0.38	1.78	0.49	2.41	0.51	2.64	0.53
27	1.01	0.35	1.25	0.37	1.49	0.38	1.76	0.49	2.38	0.52	2.61	0.54

Symbols

AFR: Air flow rate [m³/min]
BF: Bypass factor
EWB: Entering wet-bulb temperature [° C WB]
EDB: Entering dry-bulb temperature [° C DB]
TC: Total capacity [kW]
SHC: Sensible heat capacity [kW]
PI: Power input [kW]

Notes

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

4D130634

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FDXM25F9 / RXM25R**Cooling** 50Hz 220-240V

AFR	8,7
BF	0,17

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	2,46	1,94	0,49	2,35	1,88	0,54	2,24	1,83	0,59	2,19	1,81	0,61	2,12	1,78	0,63	2,01	1,73	0,68
16,0	22	2,57	1,91	0,50	2,46	1,86	0,54	2,35	1,81	0,59	2,30	1,79	0,61	2,23	1,76	0,64	2,12	1,71	0,68
18,0	25	2,68	2,01	0,50	2,57	1,97	0,55	2,46	1,92	0,59	2,41	1,90	0,61	2,34	1,87	0,64	2,23	1,83	0,69
19,0	27	2,74	2,14	0,50	2,62	2,09	0,55	2,51	2,05	0,59	2,47	2,03	0,61	2,40	2,00	0,64	2,29	1,96	0,69
22,0	30	2,90	2,07	0,50	2,79	2,03	0,55	2,68	1,99	0,60	2,63	1,97	0,62	2,57	1,95	0,65	2,45	1,91	0,69
24,0	32	3,01	2,02	0,51	2,90	1,98	0,55	2,79	1,95	0,60	2,74	1,93	0,62	2,68	1,91	0,65	2,56	1,88	0,70

Heating 50Hz 220-240V

AFR	8,7
-----	-----

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		1,49	0,64	1,79	0,68	2,09	0,71	2,39	0,74	3,31	0,78	3,60	0,81
20,0		1,40	0,66	1,70	0,69	2,00	0,73	2,30	0,76	3,20	0,80	3,49	0,83
22,0		1,36	0,67	1,66	0,70	1,96	0,73	2,26	0,77	3,16	0,81	3,44	0,83
24,0		1,32	0,68	1,62	0,71	1,92	0,74	2,22	0,77	3,11	0,81	3,40	0,84
25,0		1,30	0,68	1,60	0,71	1,90	0,75	2,20	0,78	3,09	0,82	3,38	0,84
27,0		1,27	0,69	1,57	0,72	1,87	0,75	2,17	0,79	3,05	0,83	3,33	0,85

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.

3D110078B**FFA25A9 / RXM25R****Cooling** 50Hz 220-240V

AFR	9,0
BF	0,24

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	2,56	1,95	0,42	2,44	1,89	0,46	2,33	1,84	0,50	2,28	1,81	0,52	2,21	1,78	0,54	2,10	1,72	0,58
16,0	22	2,68	1,92	0,42	2,56	1,86	0,46	2,44	1,81	0,50	2,40	1,79	0,52	2,33	1,76	0,54	2,21	1,71	0,58
18,0	25	2,79	2,01	0,42	2,68	1,96	0,46	2,56	1,92	0,51	2,51	1,90	0,52	2,44	1,87	0,55	2,33	1,82	0,59
19,0	27	2,85	2,13	0,43	2,73	2,08	0,47	2,62	2,04	0,51	2,57	2,02	0,52	2,50	1,99	0,55	2,38	1,94	0,59
22,0	30	3,02	2,06	0,43	2,91	2,02	0,47	2,79	1,97	0,51	2,74	1,96	0,53	2,67	1,93	0,55	2,56	1,89	0,59
24,0	32	3,14	2,01	0,43	3,02	1,97	0,47	2,90	1,93	0,51	2,86	1,91	0,53	2,79	1,89	0,55	2,67	1,85	0,59

Heating 50Hz 220-240V

AFR	9,0
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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
15,0		1,49	0,66	1,79	0,69	2,09	0,73	2,39	0,76	3,31	0,80	3,60	0,83
20,0		1,40	0,68	1,70	0,71	2,00	0,75	2,30	0,78	3,20	0,82	3,49	0,85
22,0		1,36	0,69	1,66	0,72	1,96	0,75	2,26	0,79	3,16	0,83	3,44	0,85
24,0		1,32	0,69	1,62	0,73	1,92	0,76	2,22	0,79	3,11	0,84	3,40	0,86
25,0		1,30	0,70	1,60	0,73	1,90	0,76	2,20	0,80	3,09	0,84	3,38	0,87
27,0		1,27	0,70	1,57	0,74	1,87	0,77	2,17	0,81	3,05	0,85	3,33	0,87

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.

3D110082B

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

4

FNA25A9 / RXM25R

Cooling

50Hz

220 - 240V

AFR	8,7
BF	0,17

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	2,66	2,04	0,52	2,54	1,98	0,58	2,42	1,92	0,63	2,37	1,90	0,65	2,30	1,86	0,68	2,18	1,81	0,73
16,0	22	2,78	2,00	0,53	2,66	1,95	0,58	2,54	1,89	0,63	2,49	1,87	0,65	2,42	1,84	0,68	2,30	1,78	0,73
18,0	25	2,90	2,11	0,53	2,78	2,06	0,58	2,66	2,00	0,63	2,61	1,98	0,65	2,54	1,95	0,68	2,42	1,90	0,73
19,0	27	2,96	2,23	0,53	2,84	2,18	0,58	2,72	2,13	0,63	2,67	2,11	0,65	2,60	2,08	0,68	2,48	2,04	0,73
22,0	30	3,14	2,16	0,54	3,02	2,11	0,59	2,90	2,07	0,64	2,85	2,05	0,66	2,78	2,02	0,69	2,66	1,98	0,74
24,0	32	3,26	2,10	0,54	3,14	2,06	0,59	3,02	2,02	0,64	2,97	2,01	0,66	2,90	1,98	0,69	2,78	1,94	0,74

Heating

50Hz

220 - 240V

AFR	8,7
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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
15,0		1,49	0,64	1,79	0,68	2,09	0,71	2,39	0,74	3,31	0,78	3,60	0,81
20,0		1,40	0,66	1,70	0,69	2,00	0,73	2,30	0,76	3,20	0,80	3,49	0,83
22,0		1,36	0,67	1,66	0,70	1,96	0,73	2,26	0,77	3,16	0,81	3,44	0,83
24,0		1,32	0,68	1,62	0,71	1,92	0,74	2,22	0,77	3,11	0,81	3,40	0,84
25,0		1,30	0,68	1,60	0,71	1,90	0,75	2,20	0,78	3,09	0,82	3,38	0,84
27,0		1,27	0,69	1,57	0,72	1,87	0,75	2,17	0,79	3,05	0,83	3,33	0,85

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.

3D110089B

FVXM25F / RXM25R

Cooling

50Hz

220 - 240V

AFR	8,2
BF	0,1

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	2,56	2,00	0,46	2,44	1,95	0,50	2,33	1,89	0,55	2,28	1,87	0,56	2,21	1,84	0,59	2,10	1,78	0,64
16,0	22	2,68	1,97	0,46	2,56	1,92	0,51	2,44	1,87	0,55	2,40	1,84	0,57	2,33	1,81	0,59	2,21	1,76	0,64
18,0	25	2,79	2,08	0,46	2,68	2,03	0,51	2,56	1,98	0,55	2,51	1,96	0,57	2,44	1,93	0,60	2,33	1,89	0,64
19,0	27	2,85	2,21	0,47	2,73	2,16	0,51	2,62	2,11	0,55	2,57	2,09	0,57	2,50	2,07	0,60	2,38	2,02	0,64
22,0	30	3,02	2,13	0,47	2,91	2,09	0,51	2,79	2,05	0,56	2,74	2,03	0,58	2,67	2,01	0,60	2,56	1,97	0,65
24,0	32	3,14	2,08	0,47	3,02	2,04	0,52	2,90	2,01	0,56	2,86	1,99	0,58	2,79	1,97	0,60	2,67	1,93	0,65

Heating

50Hz

220 - 240V

AFR	8,8
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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		1,58	0,62	1,90	0,65	2,22	0,68	2,54	0,71	3,52	0,75	3,82	0,78
20,0		1,48	0,64	1,80	0,67	2,12	0,70	2,44	0,73	3,40	0,77	3,71	0,79
22,0		1,44	0,64	1,76	0,67	2,08	0,71	2,40	0,74	3,35	0,78	3,66	0,80
24,0		1,41	0,65	1,72	0,68	2,04	0,71	2,36	0,75	3,31	0,78	3,61	0,81
25,0		1,39	0,65	1,70	0,69	2,02	0,72	2,34	0,75	3,28	0,79	3,59	0,81
27,0		1,35	0,66	1,67	0,69	1,98	0,72	2,30	0,76	3,24	0,79	3,54	0,82

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.

3D110093B

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FTXM25N / RXM25R

Cooling ·220-240V 50Hz·

AFR	11,1
BF	0,21

①	②	③																	
		20			25			30			32			35			40		
		TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14	20	2,56	1,95	0,40	2,44	1,90	0,45	2,32	1,85	0,51	2,28	1,83	0,53	2,21	1,79	0,55	2,09	1,74	0,60
16	22	2,68	1,92	0,43	2,56	1,87	0,47	2,44	1,82	0,51	2,40	1,80	0,53	2,33	1,76	0,56	2,21	1,71	0,60
18	25	2,79	2,02	0,43	2,68	1,97	0,47	2,56	1,92	0,52	2,51	1,90	0,53	2,44	1,88	0,56	2,33	1,83	0,60
19	27	2,85	2,14	0,43	2,73	2,09	0,48	2,62	2,05	0,52	2,57	2,03	0,53	2,50	2,00	0,56	2,38	1,95	0,60
22	30	3,02	2,07	0,44	2,91	2,03	0,48	2,79	1,98	0,52	2,74	1,97	0,54	2,67	1,94	0,56	2,56	1,90	0,61
24	32	3,14	2,02	0,44	3,02	1,98	0,48	2,90	1,94	0,52	2,86	1,92	0,54	2,79	1,90	0,57	2,67	1,87	0,61

Symbols

TC: Total capacity [kW]

PI: Power input [kW]

SHC: Sensible heat capacity [kW]

AFR: Air flow rate [m³/min]

BF: Bypass factor

Heating ·220-240V 50Hz·

AFR	10,8
-----	------

②	④											
	-15		-10		-5		0		6		10	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15	1,33	0,36	1,60	0,38	1,87	0,40	2,52	0,52	2,90	0,55	3,15	0,57
20	1,25	0,37	1,52	0,39	1,79	0,41	2,42	0,53	2,80	0,56	3,05	0,58
22	1,22	0,37	1,49	0,40	1,76	0,42	2,38	0,53	2,76	0,57	3,01	0,59
24	1,19	0,38	1,45	0,40	1,72	0,42	2,34	0,54	2,72	0,57	2,98	0,59
25	1,17	0,38	1,44	0,40	1,71	0,42	2,32	0,54	2,70	0,57	2,96	0,59
27	1,14	0,39	1,41	0,41	1,67	0,42	2,29	0,55	2,66	0,58	2,92	0,60

① Indoor air temperature [°C WB]

② Indoor air temperature [°C DB]

③ Outdoor air temperature [°C DB]

④ Outdoor air temperature [°C WB]

Notes

1. The capacities are based on the following conditions:

Corresponding refrigerant piping length: ·5,0· m

Level difference: ·0·m

2. The bold cells indicate the standard conditions.

Rated operating frequency [Hz]

3D120715A

FVXM25A / RXM25R

Cooling ·220-240V 50Hz·

AFR	8,7
BF	0,09

Indoor air temperature [°C WB]	Indoor air temperature [°C DB]	Outdoor air temperature [°C DB]																	
		20			25			30			32			35			40		
		TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14	20	2,46	1,87	0,40	2,35	1,84	0,44	2,24	1,81	0,47	2,19	1,80	0,49	2,12	1,79	0,51	2,01	1,78	0,55
16	22	2,57	1,78	0,40	2,46	1,74	0,44	2,35	1,71	0,48	2,30	1,70	0,49	2,23	1,68	0,51	2,12	1,66	0,55
18	25	2,68	1,88	0,40	2,57	1,85	0,44	2,46	1,83	0,48	2,41	1,82	0,49	2,34	1,82	0,52	2,23	1,82	0,56
19	27	2,74	2,04	0,40	2,62	2,03	0,44	2,51	2,03	0,48	2,47	2,04	0,50	2,40	2,05	0,52	2,29	2,08	0,56
22	30	2,90	1,84	0,41	2,79	1,82	0,44	2,68	1,81	0,48	2,63	1,80	0,50	2,57	1,80	0,52	2,45	1,81	0,56
24	32	3,01	1,72	0,41	2,90	1,70	0,45	2,79	1,68	0,49	2,74	1,67	0,50	2,68	1,67	0,52	2,56	1,66	0,56

Heating ·220-240V 50Hz·

AFR	9,2
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Indoor air temperature [°C DB]	Outdoor air temperature [°C DB]													
	-20		-15		-10		-5		0		7		10	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15	1,61	0,54	1,98	0,57	2,35	0,60	2,26	0,63	2,56	0,66	3,61	0,69	3,83	0,71
20	1,40	0,59	1,77	0,62	2,14	0,65	2,51	0,68	2,39	0,71	3,40	0,75	3,62	0,76
22	1,31	0,61	1,68	0,64	2,05	0,67	2,43	0,70	1,81	0,73	3,32	0,76	3,54	0,78
24	1,23	0,63	1,60	0,66	1,97	0,69	2,34	0,72	1,73	0,75	3,23	0,77	3,45	0,81
25	1,19	0,65	1,56	0,67	1,93	0,70	2,30	0,73	1,70	0,76	3,19	0,77	3,41	0,82
27	1,08	0,66	1,47	0,69	1,84	0,72	2,22	0,75	1,62	0,78	3,11	0,78	3,33	0,84

Heating capacity at nominal operating frequency, measured according to ·EN 14511·.

Notes

1. The capacities are based on the following conditions:

Corresponding refrigerant piping length: ·5,0· m

Level difference: ·0·m

2. The bold cells indicate the standard conditions.

Symbols

TC: Total capacity [kW]

PI: Power input [kW]

SHC: Sensible heat capacity [kW]

AFR: Air flow rate [m³/min]

BF: Bypass factor

3D130939

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FTXM25R / RXM25R

Cooling

50Hz 220~240V

AFR	10,49
BF	0,25

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	2,56	1,90	0,43	2,44	1,86	0,47	2,33	1,82	0,51	2,28	1,81	0,52	2,21	1,79	0,55	2,10	1,77	0,59
16	22	2,68	1,81	0,43	2,56	1,77	0,47	2,44	1,73	0,51	2,40	1,72	0,53	2,33	1,70	0,55	2,21	1,67	0,59
18	25	2,79	1,90	0,43	2,68	1,87	0,47	2,56	1,84	0,51	2,51	1,83	0,53	2,44	1,82	0,55	2,33	1,81	0,60
19	27	2,85	2,05	0,43	2,73	2,03	0,47	2,62	2,02	0,51	2,57	2,02	0,53	2,50	2,02	0,56	2,38	2,03	0,60
22	30	3,02	1,86	0,44	2,91	1,83	0,48	2,79	1,81	0,52	2,74	1,80	0,53	2,67	1,80	0,56	2,56	1,79	0,60
24	32	3,14	1,74	0,44	3,02	1,71	0,48	2,90	1,69	0,52	2,86	1,68	0,54	2,79	1,67	0,56	2,67	1,66	0,60

Heating

50Hz 220~240V

AFR	9,78
-----	------

INDOOR		Outdoor temperature [°C WB]											
EDB		-15			-10			-5			0		
°C	°C	TC	PI		TC	PI		TC	PI		TC	PI	
15		1,33	0,36		1,60	0,38		1,87	0,40		2,09	0,52	
20		1,25	0,37		1,52	0,39		1,79	0,41		1,98	0,53	
22		1,22	0,37		1,49	0,40		1,76	0,42		1,95	0,53	
24		1,19	0,38		1,45	0,40		1,72	0,42		1,92	0,54	
25		1,17	0,38		1,44	0,40		1,71	0,42		1,90	0,54	
27		1,14	0,39		1,41	0,41		1,67	0,42		1,88	0,55	

Symbols

AFR: Air flow rate [m³/min]

BF: Bypass factor

EWB: Entering wet-bulb temperature [°C WB]

EDB: Entering dry-bulb temperature [°C DB]

TC: Total capacity [kW]

SHC: Sensible heat capacity [kW]

PI: Power input [kW]

Notes

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

4D130635

FCAG35B / RXM35R

Cooling ·220-240V 50Hz·

AFR	12,5
BF	0,4

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	3,08	2,27	0,63	3,08	2,27	0,72	3,08	2,27	0,81	3,08	2,27	0,85	3,01	2,24	0,89	2,85	2,16	0,96
16	22	3,64	2,44	0,70	3,48	2,36	0,76	3,32	2,28	0,83	3,26	2,25	0,86	3,17	2,21	0,90	3,01	2,13	0,96
18	25	3,80	2,54	0,70	3,64	2,46	0,77	3,48	2,39	0,83	3,42	2,36	0,86	3,32	2,32	0,90	3,16	2,25	0,97
19	27	3,87	2,66	0,70	3,72	2,59	0,77	3,56	2,52	0,84	3,49	2,49	0,86	3,40	2,45	0,90	3,24	2,39	0,97
22	30	4,11	2,56	0,71	3,95	2,50	0,77	3,79	2,44	0,84	3,73	2,41	0,87	3,63	2,38	0,91	3,48	2,32	0,97
24	32	4,27	2,49	0,71	4,11	2,43	0,78	3,95	2,37	0,85	3,89	2,35	0,87	3,79	2,32	0,91	3,63	2,26	0,98

Heating ·220-240V 50Hz·

AFR	12,5
-----	------

Indoor		Outdoor temperature [°C WB]											
EDB		-15			-10			-5			0		
°C	°C	TC	PI		TC	PI		TC	PI		TC	PI	
15		1,95	0,97		2,35	1,01		2,74	1,06		3,13	1,11	
20		1,83	0,99		2,23	1,04		2,62	1,09		3,01	1,14	
22		1,78	1,00		2,18	1,05		2,57	1,10		2,97	1,15	
24		1,74	1,01		2,13	1,06		2,52	1,11		2,92	1,16	
25		1,71	1,02		2,11	1,07		2,50	1,12		2,89	1,17	
27		1,66	1,03		2,06	1,08		2,45	1,13		2,85	1,18	

Symbols

TC: Total capacity [kW]

PI: Power input [kW]

SHC: Sensible heat capacity [kW]

AFR: Air flow rate [m³/min]

BF: Bypass factor

EWB: Entering wet-bulb temperature (°C WB)

EDB: Entering dry-bulb temperature (°C DB)

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.

3D110075C

Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FBA35A9 / RXM35R

Cooling · 220-240V 50Hz·

AFR	15,0
BF	0,08

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	3,59	3,18	0,67	3,42	3,11	0,73	3,26	3,03	0,80	3,19	3,00	0,82	3,10	2,96	0,86	2,93	2,89	0,93
16	22	3,75	3,13	0,67	3,58	3,06	0,74	3,42	2,99	0,80	3,36	2,97	0,83	3,26	2,92	0,86	3,10	2,86	0,93
18	25	3,91	3,35	0,68	3,75	3,29	0,74	3,58	3,22	0,80	3,52	3,20	0,83	3,42	3,16	0,87	3,26	3,10	0,93
19	27	3,99	3,60	0,68	3,83	3,54	0,74	3,66	3,48	0,81	3,60	3,45	0,83	3,50	3,42	0,87	3,34	3,36	0,93
22	30	4,23	3,50	0,68	4,07	3,44	0,75	3,90	3,39	0,81	3,84	3,37	0,84	3,74	3,34	0,88	3,58	3,28	0,94
24	32	4,39	3,43	0,69	4,23	3,38	0,75	4,07	3,33	0,82	4,00	3,31	0,84	3,90	3,28	0,88	3,74	3,23	0,94

Heating · 220-240V 50Hz·

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

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	1,86	0,80	2,23	0,84	2,61	0,88	2,98	0,92	4,14	0,97	4,50	1,01	
20	1,75	0,82	2,12	0,86	2,50	0,90	2,87	0,95	4,00	1,00	4,36	1,03	
22	1,70	0,83	2,07	0,87	2,45	0,91	2,82	0,95	3,94	1,00	4,31	1,04	
24	1,65	0,84	2,03	0,88	2,40	0,92	2,78	0,96	3,89	1,01	4,25	1,05	
25	1,63	0,85	2,01	0,89	2,38	0,93	2,76	0,97	3,86	1,02	4,22	1,05	
27	1,59	0,85	1,96	0,90	2,33	0,94	2,71	0,98	3,81	1,03	4,17	1,06	

Symbols

TC: Total capacity [kW]

PI: Power input [kW]

SHC: Sensible heat capacity [kW]

AFR: Air flow rate [m³/min]

BF: Bypass factor

EWB: Entering wet-bulb temperature (°C WB)

EDB: Entering dry-bulb temperature (°C DB)

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.

3D110072B

FDX35F9 / RXM35R

Cooling · 220-240V 50Hz·

AFR	8,7
BF	0,17

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	2,96	2,19	0,78	2,96	2,19	0,89	2,96	2,19	1,01	2,96	2,19	1,05	2,96	2,19	1,13	2,85	2,13	1,22
16	22	3,64	2,42	0,89	3,48	2,34	0,97	3,32	2,26	1,06	3,26	2,23	1,09	3,17	2,18	1,14	3,01	2,11	1,23
18	25	3,80	2,51	0,89	3,64	2,43	0,98	3,48	2,36	1,06	3,42	2,33	1,10	3,32	2,29	1,15	3,16	2,22	1,23
19	27	3,87	2,63	0,89	3,72	2,55	0,98	3,56	2,48	1,06	3,49	2,46	1,10	3,40	2,42	1,15	3,24	2,35	1,23
22	30	4,11	2,52	0,90	3,95	2,46	0,99	3,79	2,40	1,07	3,73	2,38	1,11	3,63	2,34	1,16	3,48	2,28	1,24
24	32	4,27	2,45	0,91	4,11	2,39	0,99	3,95	2,34	1,08	3,89	2,32	1,11	3,79	2,28	1,16	3,63	2,23	1,25

Heating · 220-240V 50Hz·

AFR	8,7
-----	-----

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	1,86	0,92	2,23	0,97	2,61	1,02	2,98	1,07	4,14	1,12	4,50	1,16	
20	1,75	0,95	2,12	1,00	2,50	1,05	2,87	1,09	4,00	1,15	4,36	1,19	
22	1,70	0,96	2,07	1,01	2,45	1,06	2,82	1,10	3,94	1,16	4,31	1,20	
24	1,65	0,97	2,03	1,02	2,40	1,07	2,78	1,11	3,89	1,17	4,25	1,21	
25	1,63	0,98	2,01	1,02	2,38	1,07	2,76	1,12	3,86	1,18	4,22	1,21	
27	1,59	0,99	1,96	1,03	2,33	1,08	2,71	1,13	3,81	1,19	4,02	1,21	

Symbols

TC: Total capacity [kW]

PI: Power input [kW]

SHC: Sensible heat capacity [kW]

AFR: Air flow rate [m³/min]

BF: Bypass factor

EWB: Entering wet-bulb temperature (°C WB)

EDB: Entering dry-bulb temperature (°C DB)

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.

3D110079B

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FFA35A9 / RXM35R

Cooling · 220-240V 50Hz·

AFR	10,0
BF	0,25

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	3,08	2,27	0,62	3,08	2,27	0,71	3,08	2,27	0,80	3,08	2,27	0,84	3,01	2,24	0,88	2,85	2,16	0,95
16	22	3,64	2,44	0,69	3,48	2,36	0,75	3,32	2,28	0,82	3,26	2,25	0,85	3,17	2,21	0,89	3,01	2,13	0,95
18	25	3,80	2,54	0,69	3,64	2,46	0,76	3,48	2,39	0,82	3,42	2,36	0,85	3,32	2,32	0,89	3,16	2,25	0,96
19	27	3,87	2,66	0,69	3,72	2,59	0,76	3,56	2,52	0,83	3,49	2,49	0,85	3,40	2,45	0,89	3,24	2,39	0,96
22	30	4,11	2,56	0,70	3,95	2,50	0,77	3,79	2,44	0,83	3,73	2,41	0,86	3,63	2,38	0,90	3,48	2,32	0,96
24	32	4,27	2,49	0,70	4,11	2,43	0,77	3,95	2,37	0,84	3,89	2,35	0,86	3,79	2,32	0,90	3,63	2,26	0,97

Heating · 220-240V 50Hz·

AFR	10,0
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Indoor		Outdoor temperature [°C WB]									
EDB	°C	-15		-10		-5		0		6	
°C	°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15	1,95	0,97	2,35	1,01	2,74	1,06	3,13	1,11	4,34	1,17	4,72
20	1,83	0,99	2,23	1,04	2,62	1,09	3,01	1,14	4,20	1,20	4,58
22	1,78	1,00	2,18	1,05	2,57	1,10	2,97	1,15	4,14	1,21	4,52
24	1,74	1,01	2,13	1,06	2,52	1,11	2,92	1,16	4,08	1,22	4,46
25	1,71	1,02	2,11	1,07	2,50	1,12	2,89	1,17	4,06	1,23	4,43
27	1,66	1,03	2,06	1,08	2,45	1,13	2,85	1,18	4,00	1,24	4,38

Symbols

TC: Total capacity [kW]

PI: Power input [kW]

SHC: Sensible heat capacity [kW]

AFR: Air flow rate [m³/min]

BF: Bypass factor

EWB: Entering wet-bulb temperature (°C WB)

EDB: Entering dry-bulb temperature (°C DB)

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.

3D110083B

FHA35A9 / RXM35R

Cooling · 220-240V 50Hz·

AFR	14,0
BF	0,17

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	3,48	2,89	0,70	3,33	2,82	0,77	3,17	2,75	0,83	3,10	2,72	0,86	3,01	2,67	0,90	2,85	2,60	0,97
16	22	3,64	2,85	0,70	3,48	2,78	0,77	3,32	2,71	0,84	3,26	2,68	0,87	3,17	2,64	0,91	3,01	2,57	0,97
18	25	3,80	3,03	0,71	3,64	2,96	0,77	3,48	2,90	0,84	3,42	2,87	0,87	3,32	2,83	0,91	3,16	2,77	0,98
19	27	3,87	3,23	0,71	3,72	3,17	0,78	3,56	3,11	0,84	3,49	3,08	0,87	3,40	3,05	0,91	3,24	2,99	0,98
22	30	4,11	3,13	0,72	3,95	3,08	0,78	3,79	3,02	0,85	3,73	3,00	0,88	3,63	2,97	0,92	3,48	2,92	0,98
24	32	4,27	3,06	0,72	4,11	3,01	0,79	3,95	2,96	0,85	3,89	2,95	0,88	3,79	2,92	0,92	3,63	2,87	0,99

Heating · 220-240V 50Hz·

AFR	14,0
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Indoor		Outdoor temperature [°C WB]									
EDB	°C	-15		-10		-5		0		6	
°C	°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15	1,86	0,79	2,23	0,83	2,61	0,87	2,98	0,91	4,14	0,96	4,50
20	1,75	0,81	2,12	0,85	2,50	0,89	2,87	0,93	4,00	0,98	4,36
22	1,70	0,82	2,07	0,86	2,45	0,90	2,82	0,94	3,94	0,99	4,31
24	1,65	0,83	2,03	0,87	2,40	0,91	2,78	0,95	3,89	1,00	4,25
25	1,63	0,83	2,01	0,87	2,38	0,91	2,76	0,95	3,86	1,00	4,22
27	1,59	0,84	1,96	0,88	2,33	0,92	2,71	0,96	3,81	1,01	4,17

Symbols

TC: Total capacity [kW]

PI: Power input [kW]

SHC: Sensible heat capacity [kW]

AFR: Air flow rate [m³/min]

BF: Bypass factor

EWB: Entering wet-bulb temperature (°C WB)

EDB: Entering dry-bulb temperature (°C DB)

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.

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Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FNA35A9 / RXM35R

Cooling · 220-240V 50Hz·

AFR	8,7
BF	0,17

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	2,96	2,19	0,75	2,96	2,19	0,85	2,96	2,19	0,96	2,96	2,19	1,01	2,96	2,19	1,08	2,85	2,13	1,17
16	22	3,64	2,42	0,85	3,48	2,34	0,93	3,32	2,26	1,01	3,26	2,23	1,04	3,17	2,18	1,09	3,01	2,11	1,17
18	25	3,80	2,51	0,85	3,64	2,43	0,93	3,48	2,36	1,02	3,42	2,33	1,05	3,32	2,29	1,10	3,16	2,22	1,18
19	27	3,87	2,63	0,86	3,72	2,55	0,94	3,56	2,48	1,02	3,49	2,46	1,05	3,40	2,42	1,10	3,24	2,35	1,18
22	30	4,11	2,52	0,86	3,95	2,46	0,94	3,79	2,40	1,03	3,73	2,38	1,06	3,63	2,34	1,11	3,48	2,28	1,19
24	32	4,27	2,45	0,87	4,11	2,39	0,95	3,95	2,34	1,03	3,89	2,32	1,06	3,79	2,28	1,11	3,63	2,23	1,19

Heating · 220-240V 50Hz·

AFR	8,7
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Indoor		Outdoor temperature [°C WB]											
EDB		-15			-10			-5			0		
°C	°C	TC	PI	SHC	TC	PI	SHC	TC	PI	SHC	TC	PI	SHC
15	1,86	0,92	2,23	0,97	2,61	1,02	2,98	1,07	4,14	1,12	4,50	1,16	
20	1,75	0,95	2,12	1,00	2,50	1,05	2,87	1,09	4,00	1,15	4,36	1,19	
22	1,70	0,96	2,07	1,01	2,45	1,06	2,82	1,10	3,94	1,16	4,31	1,20	
24	1,65	0,97	2,03	1,02	2,40	1,07	2,78	1,11	3,89	1,17	4,25	1,21	
25	1,63	0,98	2,01	1,02	2,38	1,07	2,76	1,12	3,86	1,18	4,22	1,21	
27	1,59	0,99	1,96	1,03	2,33	1,08	2,71	1,13	3,81	1,19	4,02	1,21	

Symbols

TC: Total capacity [kW]

PI: Power input [kW]

SHC: Sensible heat capacity [kW]

AFR: Air flow rate [m³/min]

BF: Bypass factor

EWB: Entering wet-bulb temperature (°C WB)

EDB: Entering dry-bulb temperature (°C DB)

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.

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FVXM35F / RXM35R

Cooling · 220-240V 50Hz·

AFR	8,5
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	3,11	2,29	0,75	3,11	2,29	0,86	3,11	2,29	0,96	3,11	2,29	1,01	3,10	2,29	1,08	2,93	2,21	1,16
16	22	3,75	2,50	0,84	3,58	2,42	0,92	3,42	2,34	1,00	3,36	2,31	1,03	3,26	2,26	1,08	3,10	2,18	1,16
18	25	3,91	2,60	0,85	3,75	2,52	0,93	3,58	2,45	1,01	3,52	2,42	1,04	3,42	2,37	1,09	3,26	2,30	1,17
19	27	3,99	2,72	0,85	3,83	2,65	0,93	3,66	2,57	1,01	3,60	2,55	1,04	3,50	2,50	1,09	3,34	2,43	1,17
22	30	4,23	2,61	0,86	4,07	2,55	0,94	3,90	2,49	1,02	3,84	2,46	1,05	3,74	2,43	1,10	3,58	2,36	1,18
24	32	4,39	2,54	0,86	4,23	2,48	0,94	4,07	2,42	1,02	4,00	2,40	1,05	3,90	2,37	1,10	3,74	2,31	1,18

Heating · 220-240V 50Hz·

AFR	9,4
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Indoor		Outdoor temperature [°C WB]											
EDB		-15			-10			-5			0		
°C	°C	TC	PI	SHC	TC	PI	SHC	TC	PI	SHC	TC	PI	SHC
15	2,09	0,96	2,51	1,01	2,94	1,06	3,36	1,10	4,66	1,16	5,06	1,20	
20	1,96	0,98	2,39	1,03	2,81	1,08	3,23	1,13	4,50	1,19	4,91	1,23	
22	1,91	1,00	2,33	1,04	2,76	1,09	3,18	1,14	4,44	1,20	4,84	1,24	
24	1,86	1,01	2,28	1,06	2,70	1,10	3,13	1,15	4,38	1,21	4,78	1,25	
25	1,83	1,01	2,26	1,06	2,68	1,11	3,10	1,16	4,34	1,22	4,75	1,26	
27	1,78	1,02	2,20	1,07	2,63	1,12	3,05	1,17	4,28	1,23	4,49	1,26	

Symbols

TC: Total capacity [kW]

PI: Power input [kW]

SHC: Sensible heat capacity [kW]

AFR: Air flow rate [m³/min]

BF: Bypass factor

EWB: Entering wet-bulb temperature (°C WB)

EDB: Entering dry-bulb temperature (°C DB)

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.

3D110094B

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FTXM35N / RXM35R

Cooling · 220-240V 50Hz·

AFR	12,3
BF	0,21

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	3,48	2,66	0,59	3,32	2,60	0,67	3,16	2,52	0,73	3,11	2,49	0,75	3,01	2,45	0,79	2,85	2,38	0,85
16	22	3,64	2,63	0,62	3,48	2,57	0,68	3,32	2,49	0,73	3,27	2,46	0,76	3,17	2,42	0,79	3,01	2,35	0,86
18	25	3,80	2,77	0,62	3,64	2,70	0,68	3,48	2,64	0,74	3,42	2,61	0,76	3,32	2,58	0,80	3,17	2,51	0,86
19	27	3,88	2,93	0,62	3,72	2,88	0,69	3,56	2,81	0,74	3,50	2,78	0,76	3,40	2,74	0,80	3,25	2,68	0,86
22	30	4,11	2,84	0,63	3,96	2,78	0,69	3,79	2,72	0,74	3,73	2,70	0,77	3,63	2,67	0,81	3,48	2,61	0,87
24	32	4,27	2,77	0,63	4,11	2,71	0,70	3,96	2,66	0,75	3,89	2,64	0,77	3,79	2,61	0,81	3,63	2,57	0,87

Heating · 220-240V 50Hz·

AFR	10,8
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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	1,90	0,64	2,29	0,67	2,67	0,71	3,60	0,92	4,14	0,97	4,50	1,00	
20	1,79	0,66	2,17	0,68	2,56	0,72	3,46	0,94	4,00	0,99	4,36	1,03	
22	1,74	0,66	2,12	0,70	2,51	0,73	3,40	0,96	3,94	1,00	4,31	1,04	
24	1,69	0,67	2,08	0,71	2,46	0,73	3,35	0,96	3,89	1,01	4,25	1,04	
25	1,67	0,67	2,05	0,71	2,44	0,74	3,32	0,97	3,86	1,01	4,22	1,05	
27	1,62	0,68	2,01	0,71	2,39	0,74	3,26	0,97	3,81	1,03	4,17	1,05	

Symbols

TC: Total capacity [kW]
PI: Power input [kW]
SHC: Sensible heat capacity [kW]
AFR: Air flow rate [m³/min]

BF: Bypass factor
EWB: Entering wet-bulb temperature (°C WB)
EDB: Entering dry-bulb temperature (°C DB)

Notes

- The capacities are based on the following conditions:
Corresponding refrigerant piping length: ·5· m
Level difference: ·0·m
- The bold cells indicate the standard conditions.
Rated operating frequency [Hz]

3D120716A

FVXM35A / RXM35R

Cooling · 220-240V 50Hz·

AFR	9,2
BF	0,11

Indoor air temperature [°C WB]	Indoor air temperature [°C DB]	Outdoor air temperature [°C DB]																	
		20			25			30			32			35			40		
		TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14	20	3,35	2,39	0,63	3,33	2,38	0,70	3,17	2,32	0,76	3,10	2,29	0,79	3,01	2,26	0,82	2,85	2,20	0,89
16	22	3,64	2,36	0,64	3,48	2,29	0,70	3,32	2,22	0,77	3,26	2,20	0,79	3,17	2,16	0,83	3,01	2,10	0,89
18	25	3,80	2,44	0,65	3,64	2,38	0,71	3,48	2,32	0,77	3,42	2,30	0,79	3,32	2,27	0,83	3,16	2,23	0,89
19	27	3,87	2,58	0,65	3,72	2,53	0,71	3,56	2,49	0,77	3,49	2,47	0,80	3,40	2,45	0,83	3,24	2,43	0,89
22	30	4,11	2,38	0,65	3,95	2,32	0,72	3,79	2,27	0,78	3,73	2,26	0,80	3,63	2,23	0,84	3,48	2,19	0,90
24	32	4,27	2,25	0,66	4,11	2,20	0,72	3,95	2,15	0,78	3,89	2,13	0,81	3,79	2,10	0,84	3,63	2,06	0,90

Heating · 220-240V 50Hz·

AFR	9,8
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Indoor air temperature [°C DB]	Outdoor air temperature [°C DB]													
	-20		-15		-10		-5		0		7		10	
	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15	2,71	0,97	3,08	1,00	3,45	1,03	3,17	1,06	3,47	1,09	4,71	1,13	4,93	1,15
20	2,14	1,02	2,87	1,05	3,24	1,08	3,00	1,11	3,30	1,14	4,50	1,18	4,72	1,20
22	1,78	1,05	2,78	1,08	3,15	1,10	2,93	1,13	1,81	1,16	4,42	1,20	4,64	1,22
24	1,42	1,07	2,70	1,10	3,07	1,12	3,44	1,15	1,73	1,18	4,33	1,21	4,55	1,24
25	1,24	1,08	2,66	1,11	3,03	1,14	3,40	1,16	1,70	1,19	4,29	1,22	4,51	1,25
27	0,89	1,10	2,49	1,13	2,94	1,16	3,32	1,18	1,62	1,21	4,21	1,23	4,43	1,27

Heating capacity at nominal operating frequency, measured according to ·EN 14511·.

Notes

- The capacities are based on the following conditions:
Corresponding refrigerant piping length: ·5,0· m
Level difference: ·0·m
- The bold cells indicate the standard conditions.

Symbols

TC: Total capacity [kW]
PI: Power input [kW]
SHC: Sensible heat capacity [kW]
AFR: Air flow rate [m³/min]
BF: Bypass factor

3D130940

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FTXM35R / RXM35R

Cooling

50Hz 220-240V

AFR	11.33
BF	0.20

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	3.48	2.54	0.62	3.33	2.48	0.68	3.17	2.42	0.74	3.10	2.40	0.76	3.01	2.38	0.79	2.85	2.34	0.85
16	22	3.64	2.43	0.62	3.48	2.37	0.68	3.32	2.31	0.74	3.26	2.29	0.76	3.17	2.26	0.80	3.01	2.21	0.86
18	25	3.80	2.54	0.62	3.64	2.48	0.68	3.48	2.44	0.74	3.42	2.42	0.77	3.32	2.40	0.80	3.16	2.38	0.86
19	27	3.87	2.71	0.63	3.72	2.68	0.68	3.56	2.65	0.74	3.49	2.65	0.77	3.40	2.64	0.80	3.24	2.65	0.86
22	30	4.11	2.48	0.63	3.95	2.43	0.69	3.79	2.40	0.75	3.73	2.39	0.77	3.63	2.37	0.81	3.48	2.35	0.87
24	32	4.27	2.33	0.63	4.11	2.28	0.69	3.95	2.24	0.75	3.89	2.23	0.78	3.79	2.21	0.81	3.63	2.19	0.87

Heating

50Hz 220-240V

AFR	9.78
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INDOOR		Outdoor temperature [°C WB]											
EDB	°C	-15		-10		-5		0		7		10	
°C	°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15	2.31	0.75	2.74	0.79	3.13	0.84	3.35	0.88	4.21	0.94	4.47	0.96	
20	2.10	0.80	2.53	0.85	2.96	0.89	3.16	0.93	4.00	0.99	4.26	1.02	
22	2.02	0.82	2.45	0.87	2.88	0.91	3.08	0.95	3.92	1.01	4.18	1.04	
24	1.93	0.84	2.36	0.89	2.80	0.93	3.01	0.97	3.83	1.02	4.09	1.06	
25	1.89	0.86	2.32	0.90	2.75	0.94	2.97	0.98	3.79	1.02	4.05	1.07	
27	1.81	0.88	2.24	0.92	2.67	0.96	2.90	1.00	3.71	1.03	3.97	1.09	

Symbols

AFR: Air flow rate [m³/min]
BF: Bypass factor
EWB: Entering wet-bulb temperature [°C WB]
EDB: Entering dry-bulb temperature [°C DB]
TC: Total capacity [kW]
SHC: Sensible heat capacity [kW]
PI: Power input [kW]

Notes

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

4D130636

FTXM42R / RXM42R

Cooling: 50Hz 220-240V

AFR	11.93
BF	0.213

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	3.86	2.83	0.71	3.86	2.83	0.79	3.86	2.83	0.88	3.83	2.82	0.92	3.72	2.77	0.96	3.52	2.71	1.03
16	22	4.50	2.91	0.75	4.30	2.82	0.82	4.11	2.74	0.89	4.03	2.70	0.92	3.91	2.66	0.96	3.71	2.58	1.04
18	25	4.69	3.01	0.75	4.49	2.93	0.82	4.30	2.86	0.90	4.22	2.83	0.92	4.10	2.79	0.97	3.91	2.73	1.04
19	27	4.79	3.17	0.75	4.59	3.11	0.83	4.40	3.05	0.90	4.32	3.03	0.93	4.20	3.00	0.97	4.00	2.97	1.04
22	30	5.08	2.93	0.76	4.88	2.86	0.83	4.69	2.80	0.90	4.61	2.77	0.93	4.49	2.74	0.98	4.29	2.69	1.05
24	32	5.27	2.77	0.77	5.07	2.70	0.84	4.88	2.64	0.91	4.80	2.61	0.94	4.68	2.58	0.98	4.49	2.53	1.05

Heating: 50Hz 220-240V

AFR	12.42
-----	-------

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	1.90	0.64	2.29	0.74	2.67	0.74	3.06	0.92	4.14	0.97	4.50	1.00	
20	1.79	0.66	2.17	0.75	2.56	0.75	2.94	0.94	4.00	0.99	4.36	1.02	
22	1.74	0.66	2.12	0.76	2.51	0.76	2.89	0.95	3.94	1.00	4.31	1.03	
24	1.69	0.67	2.08	0.77	2.46	0.77	2.85	0.96	3.89	1.01	4.25	1.04	
25	1.67	0.67	2.05	0.77	2.44	0.77	2.82	0.96	3.86	1.01	4.22	1.04	
27	1.62	0.68	2.01	0.78	2.39	0.78	2.77	0.97	3.81	1.02	4.17	1.05	

Heating capacity at nominal operating frequency, measured according to EN 14511.

Indoor temperature		Outdoor temperature [° C WB]													
EDB		-15		-10		-5		0		6		10		20	
°C		TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
20		3.49	1.26	4.09	1.33	4.08	1.41	4.59	1.48	6.00	1.57	6.48	1.63	6.48	1.57

Heating capacity at maximum operating frequency, measured according to EN 14511

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 bold cells indicate the standard conditions.
- 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.
- The ratings shown are net capacities which include a deduction for indoor fan motor heat.
- 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).

4D130637A

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FBA50A9 / RXM50R

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		
		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	°C	-15		-10		-5		0		6		10	
		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.

3D110073C

FCAG50B / RXM50R

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		
		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	°C	-15		-10		-5		0		6		10	
		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	6,16	1,70	
25,0	2,45	1,38	3,01	1,44	3,57	1,51	4,13	1,58	5,63	1,66	6,03	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.

3D110076D

Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FDXM50F9 / RXM50R

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	°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	1,51	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.

3D110080C

FXVM50A / RXM50R

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

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.

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]

4D134323

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FFA50A9 / RXM50R

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		
		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	
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.

3D110085C

FHA50A9 / RXM50R

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

3D110087C

Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FNA50A9 / RXM50R

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

Symbols

AFR: Air flow rate [m³/min]
 BF: Bypass factor
 EWB: Entering wet-bulb temperature (°C WB)
 EDB: Entering dry-bulb temperature (°C DB)
 TC: Total capacity [kW]
 SHC: Sensible heat capacity [kW]
 PI: Power input [kW]

Notes

- 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.

3D110091C

FVXM50F / RXM50R

Cooling -50·Hz -220 - 240·V

AFR	10,1
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	3,82	2,82	0,98	3,82	2,82	1,12	3,82	2,82	1,27	3,82	2,82	1,33	3,82	2,82	1,42	3,82	2,82	1,57
16,0	22	4,86	3,20	1,12	4,86	3,20	1,27	4,86	3,20	1,42	4,79	3,16	1,47	4,65	3,09	1,54	4,42	2,98	1,65
18,0	25	5,58	3,56	1,20	5,35	3,45	1,32	5,12	3,34	1,43	5,02	3,29	1,48	4,88	3,23	1,54	4,65	3,12	1,66
19,0	27	5,70	3,71	1,20	5,47	3,60	1,32	5,23	3,49	1,43	5,14	3,45	1,48	5,00	3,39	1,55	4,77	3,28	1,66
22,0	30	6,04	3,56	1,21	5,81	3,46	1,33	5,58	3,37	1,44	5,49	3,33	1,49	5,35	3,27	1,56	5,11	3,18	1,67
24,0	32	6,27	3,45	1,22	6,04	3,36	1,34	5,81	3,27	1,45	5,72	3,24	1,50	5,58	3,19	1,57	5,34	3,10	1,68

Heating -50·Hz -220 - 240·V

AFR	11,8
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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		2,70	1,29	3,24	1,35	3,78	1,42	4,33	1,48	6,00	1,56	6,52	1,61
20,0		2,53	1,32	3,07	1,39	3,62	1,45	4,16	1,52	5,80	1,60	6,32	1,65
22,0		2,46	1,34	3,01	1,40	3,55	1,47	4,10	1,53	5,72	1,61	6,24	1,66
24,0		2,40	1,35	2,94	1,42	3,49	1,48	4,03	1,55	5,64	1,63	6,16	1,68
25,0		2,36	1,36	2,91	1,42	3,45	1,49	4,00	1,55	5,60	1,63	6,08	1,69
27,0		2,30	1,37	2,84	1,44	3,39	1,50	3,93	1,57	5,52	1,63	6,00	1,70

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.

3D110095C

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FTXM50N / RXM50R

Cooling

·50· Hz

·220· 240· V

AFR	16,1
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	4,11	3,04	1,07	3,88	2,93	1,14	3,65	2,83	1,21	3,55	2,78	1,28	3,41	2,72	1,34	3,18	2,62	1,44
16,0	22	5,26	3,46	1,08	5,03	3,35	1,15	4,80	3,25	1,22	4,70	3,20	1,29	4,56	3,14	1,35	4,33	3,04	1,44
18,0	25	5,58	3,66	1,08	5,35	3,55	1,15	5,12	3,45	1,22	5,02	3,40	1,29	4,88	3,34	1,36	4,65	3,24	1,45
19,0	27	5,70	3,83	1,09	5,47	3,72	1,16	5,23	3,62	1,23	5,14	3,58	1,30	5,00	3,52	1,36	4,77	3,42	1,45
22,0	30	6,04	3,68	1,09	5,81	3,59	1,16	5,58	3,50	1,23	5,49	3,46	1,30	5,35	3,40	1,37	5,11	3,32	1,46
24,0	32	6,27	3,57	1,09	6,04	3,49	1,16	5,81	3,40	1,23	5,72	3,37	1,30	5,58	3,32	1,38	5,34	3,24	1,47

Heating

·50· Hz

·220· 240· V

AFR	17,1
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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
15,0	2,76	0,93	3,32	0,98	3,88	1,03	4,43	1,35	6,00	1,42	6,52	1,47	
20,0	2,59	0,96	3,15	1,01	3,71	1,05	4,26	1,38	5,80	1,45	6,32	1,50	
22,0	2,52	0,97	3,08	1,02	3,64	1,07	4,19	1,39	5,72	1,46	6,24	1,51	
24,0	2,46	0,98	3,01	1,03	3,57	1,08	4,12	1,40	5,64	1,48	6,16	1,52	
25,0	2,42	0,99	2,98	1,03	3,54	1,08	4,09	1,41	5,60	1,48	6,12	1,53	
27,0	2,35	1,00	2,91	1,04	3,47	1,09	4,02	1,42	5,52	1,50	6,04	1,54	

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.

3D120632A

FTXM50R / RXM50R

Cooling

·50· Hz ·220·240· V

AFR	15,45
BF	0,21

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	5,12	3,89	1,04	4,89	3,82	1,14	4,66	3,76	1,24	4,56	3,74	1,28	4,42	3,71	1,34	4,19	3,69	1,44
16	22	5,35	3,70	1,05	5,12	3,62	1,15	4,89	3,55	1,25	4,79	3,53	1,29	4,65	3,50	1,35	4,42	3,45	1,45
18	25	5,58	3,90	1,05	5,35	3,84	1,15	5,12	3,80	1,26	5,02	3,79	1,30	4,88	3,78	1,36	4,65	3,77	1,46
19	27	5,70	4,24	1,06	5,47	4,21	1,16	5,23	4,22	1,26	5,14	4,22	1,30	5,00	4,25	1,36	4,77	4,31	1,46
22	30	6,04	3,82	1,07	5,81	3,78	1,17	5,58	3,75	1,27	5,49	3,75	1,31	5,35	3,74	1,37	5,11	3,76	1,47
24	32	6,27	3,57	1,07	6,04	3,53	1,17	5,81	3,49	1,27	5,72	3,48	1,31	5,58	3,46	1,37	5,34	3,45	1,47

Heating

·50· Hz ·220·240· V

AFR	15,33
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Indoor		Outdoor temperature [°C WB]											
EDB	°C	-15		-10		-5		0		7		10	
°C	°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15	2,76	0,93	3,32	0,98	3,88	1,03	4,03	1,35	6,00	1,42	6,52	1,47	
20	2,59	0,96	3,15	1,01	3,71	1,05	3,88	1,38	5,80	1,45	6,32	1,50	
22	2,52	0,97	3,08	1,02	3,64	1,07	3,81	1,39	5,72	1,46	6,24	1,51	
24	2,46	0,98	3,01	1,03	3,57	1,08	3,75	1,40	5,64	1,48	6,16	1,52	
25	2,42	0,99	2,98	1,03	3,54	1,08	3,68	1,41	5,60	1,48	6,12	1,53	
27	2,35	1,00	2,91	1,04	3,47	1,09	3,62	1,42	5,52	1,50	6,04	1,54	

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.

3D131701

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FBA60A9 / RXM60R

Cooling

·50· Hz ·220 - 240· V

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
14,0	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
16,0	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
18,0	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
19,0	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
22,0	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
24,0	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

·50· Hz ·220 - 240· V

AFR	18,0
-----	------

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

Symbols

AFR: Air flow rate [m³/min]
BF: Bypass factor
EWB: Entering wet-bulb temperature (°C WB)
EDB: Entering dry-bulb temperature (°C DB)
TC: Total capacity [kW]
SHC: Sensible heat capacity [kW]
PI: Power input [kW]

Notes

- 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.

3D110074C

FCAG60B / RXM60R

Cooling

·50· Hz ·220 - 240· V

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
14,0	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
16,0	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
18,0	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
19,0	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
22,0	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
24,0	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

·50· Hz ·220 - 240· V

AFR	13,6
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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	3,39	1,67	4,08	1,75	4,76	1,84	5,44	1,92	7,24	2,02	7,87	2,09	
20,0	3,18	1,71	3,87	1,80	4,55	1,88	5,23	1,97	7,00	2,07	7,63	2,14	
22,0	3,10	1,73	3,78	1,82	4,47	1,90	5,15	1,99	6,90	2,09	7,54	2,16	
24,0	3,02	1,75	3,70	1,84	4,38	1,92	5,07	2,01	6,81	2,11	7,38	2,18	
25,0	2,97	1,76	3,66	1,84	4,34	1,93	5,03	2,02	6,76	2,12	7,33	2,19	
27,0	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.
- 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.

3D110077D

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

4

FDXM60F9 / RXM60R

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	5,78	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
16,0	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
18,0	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
19,0	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
22,0	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
24,0	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 ·50· Hz ·220 - 240· V

AFR	16,0
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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		3,39	1,75	4,08	1,84	4,76	1,93	5,44	2,02	7,24	2,13	7,87	2,20
20,0		3,18	1,80	3,87	1,89	4,55	1,98	5,23	2,07	7,00	2,18	7,63	2,25
22,0		3,10	1,82	3,78	1,91	4,47	2,00	5,15	2,09	6,90	2,20	7,54	2,27
24,0		3,02	1,84	3,70	1,93	4,38	2,02	5,07	2,11	6,81	2,22	7,44	2,29
25,0		2,97	1,85	3,66	1,94	4,34	2,03	5,03	2,12	6,76	2,23	7,39	2,30
27,0		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.
- 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.

3D110081C

FFA60A9 / RXM60R

Cooling ·50· Hz ·220 - 240· V

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
14,0	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
16,0	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
18,0	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
19,0	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
22,0	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
24,0	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 ·50· Hz ·220 - 240· V

AFR	14,5
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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		3,39	1,65	4,08	1,74	4,76	1,82	5,44	1,91	7,24	2,01	7,87	2,07
20,0		3,18	1,70	3,87	1,78	4,55	1,87	5,23	1,95	7,00	2,05	7,63	2,12
22,0		3,10	1,72	3,78	1,80	4,47	1,89	5,15	1,97	6,90	2,07	7,54	2,14
24,0		3,02	1,73	3,70	1,82	4,38	1,90	5,07	1,99	6,81	2,09	7,44	2,16
25,0		2,97	1,74	3,66	1,83	4,34	1,91	5,03	2,00	6,76	2,10	7,39	2,17
27,0		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.
- 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.

3D110084C

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

4

FHA60A9 / RXM60R

Cooling ·50· Hz ·220 - 240· V

AFR	19,5
BF	0,2

Indoor temperature		Outdoor temperature [°C DB]																	
		20			25			30			32			35			40		
EWB	EDB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14,0	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
16,0	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
18,0	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
19,0	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
22,0	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
24,0	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 ·50· Hz ·220 - 240· V

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

3D110088C

FNA60A9 / RXM60R

Cooling ·50· Hz ·220 - 240· V

AFR	16,0
BF	0,12

Indoor temperature		Outdoor temperature [°C DB]																	
		20			25			30			32			35			40		
EWB	EDB	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14,0	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
16,0	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
18,0	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
19,0	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
22,0	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
24,0	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 ·50· Hz ·220 - 240· V

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

3D110092C

Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FTXM60N / RXM60R FTXM60R / RXM60R

Cooling 50· Hz 220-240· V

AFR	17,1
BF	0,17

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	5,10	3,76	0,19	4,82	3,63	0,31	4,55	3,51	0,80	4,38	3,45	1,66	4,26	3,38	1,75	4,09	3,26	1,88
16,0	22	6,31	4,18	0,20	6,04	4,05	0,33	5,76	3,93	0,81	5,64	3,87	1,67	5,47	3,80	1,76	5,30	3,68	1,88
18,0	25	6,70	4,39	0,20	6,42	4,26	0,34	6,14	4,14	0,82	6,02	4,08	1,67	5,86	4,00	1,77	5,58	3,88	1,89
19,0	27	6,84	4,59	0,22	6,56	4,46	0,34	6,28	4,34	0,82	6,17	4,29	1,69	6,00	4,22	1,77	5,72	4,10	1,89
22,0	30	7,25	4,41	0,22	6,97	4,30	0,34	6,70	4,20	0,83	6,59	4,15	1,70	6,42	4,08	1,78	6,13	3,98	1,90
24,0	32	7,52	4,28	0,22	7,25	4,18	0,34	6,97	4,08	0,83	6,86	4,04	1,70	6,70	3,98	1,79	6,41	3,88	1,92

Heating 50· Hz 220-240· V

AFR	17,7
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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	20	3,33	1,24	4,01	1,31	4,68	1,38	6,29	1,81	7,24	1,90	7,87	1,97
20,0	20	3,13	1,29	3,80	1,35	4,48	1,41	6,05	1,85	7,00	1,94	7,63	2,01
22,0	20	3,04	1,30	3,72	1,37	4,39	1,43	5,95	1,86	6,90	1,95	7,53	2,02
24,0	20	2,97	1,31	3,63	1,38	4,31	1,45	5,85	1,87	6,81	1,98	7,43	2,03
25,0	20	2,92	1,33	3,60	1,38	4,27	1,45	5,80	1,89	6,76	1,98	7,39	2,05
27,0	20	2,84	1,34	3,51	1,39	4,19	1,46	5,71	1,90	6,66	2,01	7,29	2,06

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.

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FTXM60R / RXM60R

Cooling 50· Hz 220-240· V

AFR	16,22
BF	0,21

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	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 50· Hz 220-240· V

AFR	15,88
-----	-------

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

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.

3D131702

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FTXM71R / RXM71R

Cooling

·50· Hz ·220-240· V

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

·50· Hz ·220-240· V

AFR	17,35
-----	-------

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

- 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.

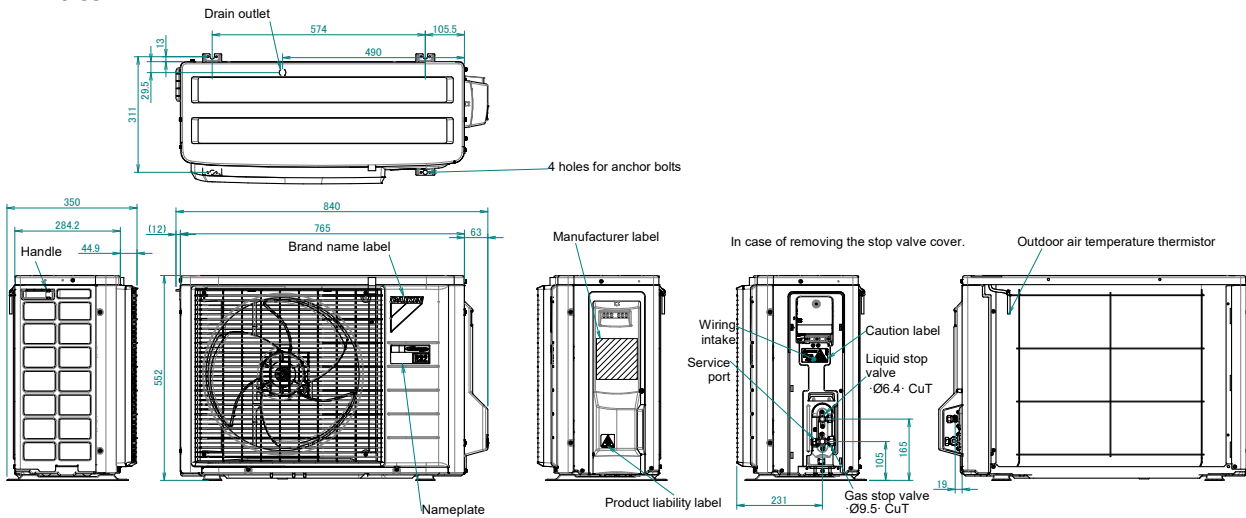
3D131703

5 Dimensional drawings

5 - 1 Dimensional Drawings

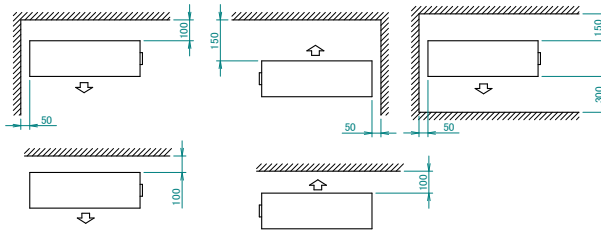
5

RXM20-35R



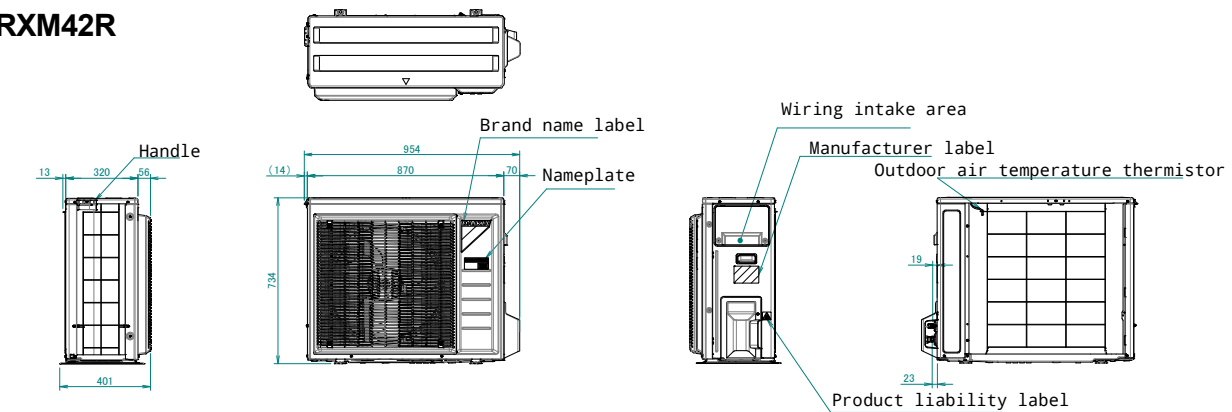
Minimum space for air passage

Wall height on air outlet side < 1200 mm



3D119881A

RXM42R



4 holes for anchor bolts

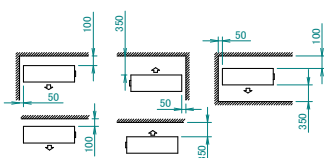
·M8· or ·M10·

Drain outlet

Connection hose (inside diameter: ·15.9·mm)

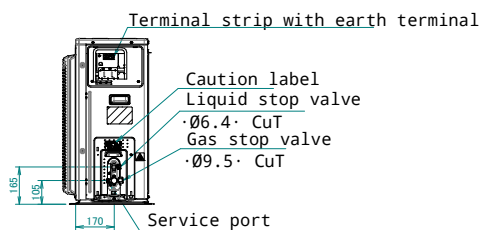
Minimum space for air passage

Wall height on air outlet side < 1200 mm



Pitch of foundation bolt holes

In case of removing the stop valve cover.

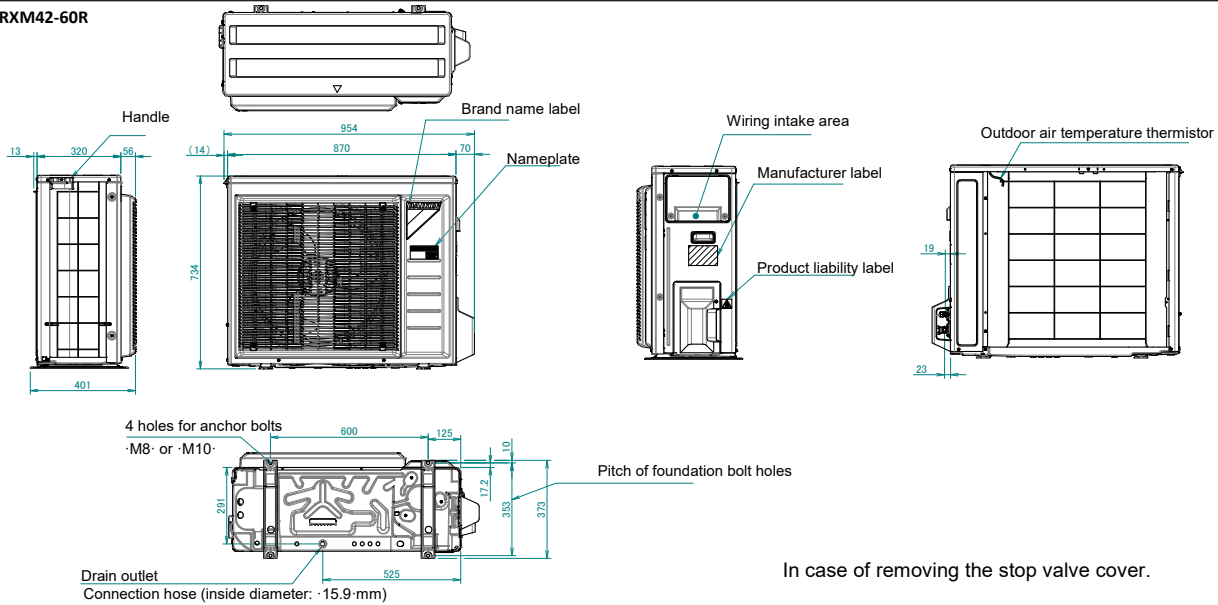


3D134937

5 Dimensional drawings

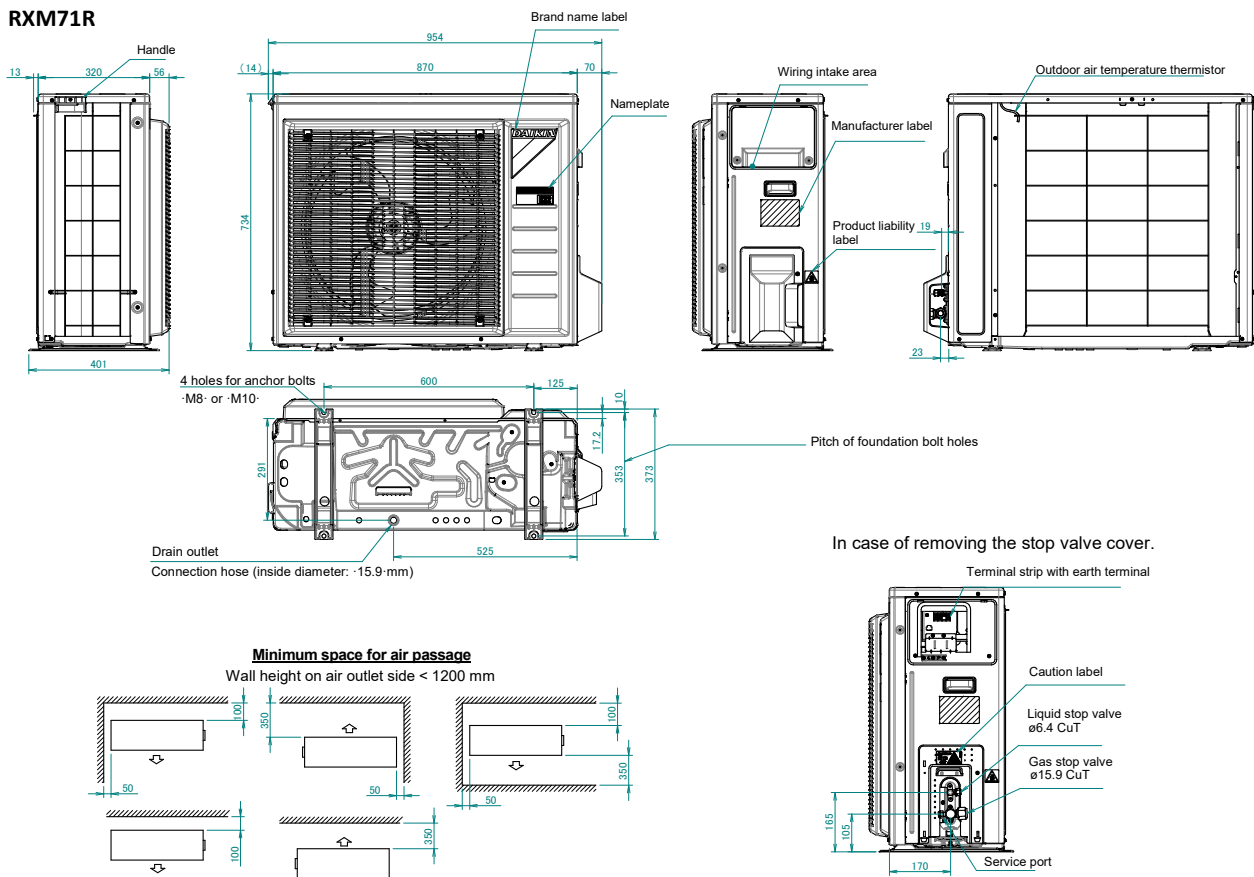
5 - 1 Dimensional Drawings

RXM42-60R



3D114108B

RXM71R

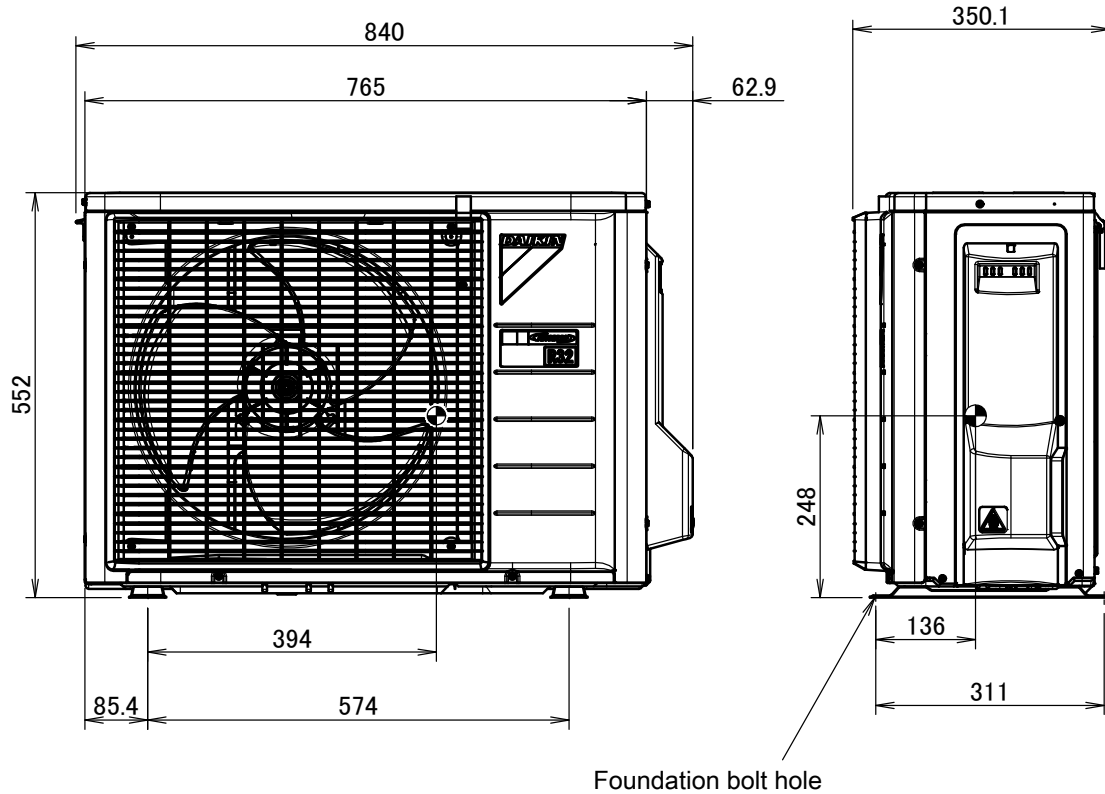


3D100867E

6 Centre of gravity

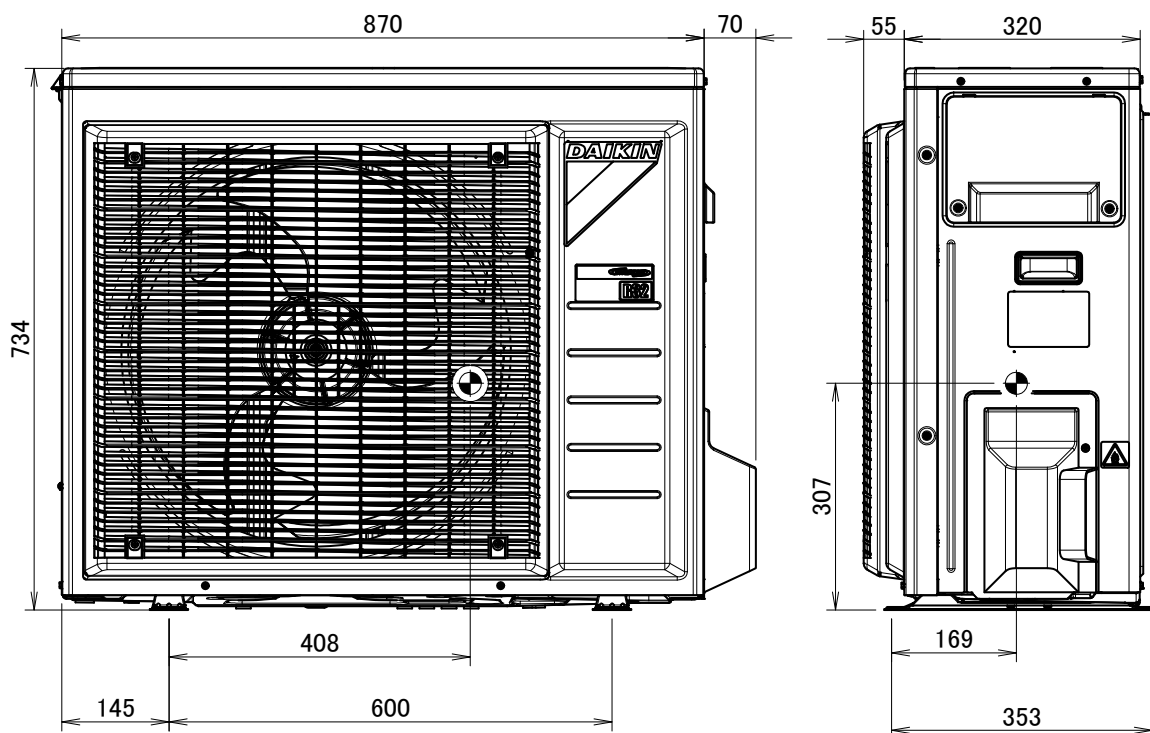
6 - 1 Centre of Gravity

RXM20-35R



4D119880

RXM42-60R

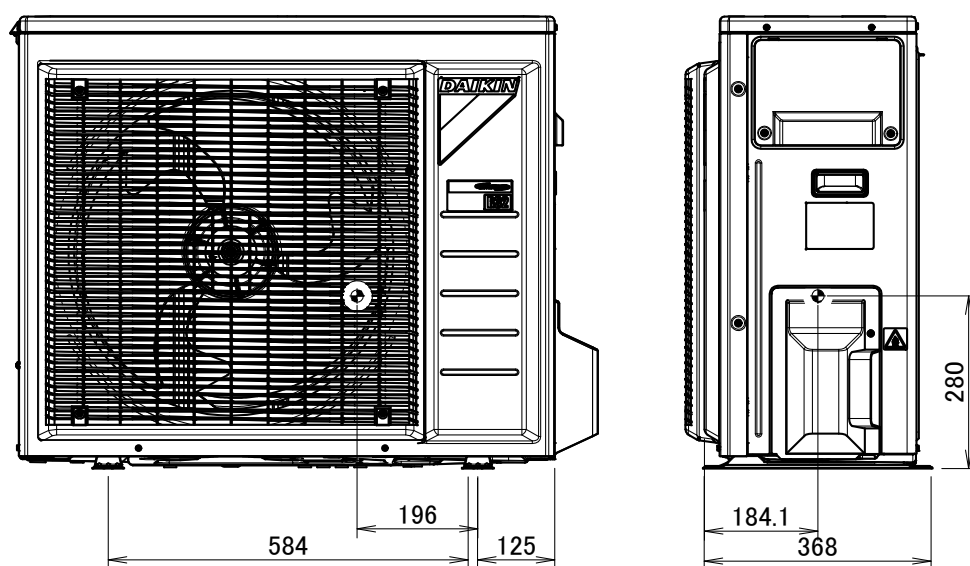


4D117299

6 Centre of gravity

6 - 1 Centre of Gravity

RXM71R



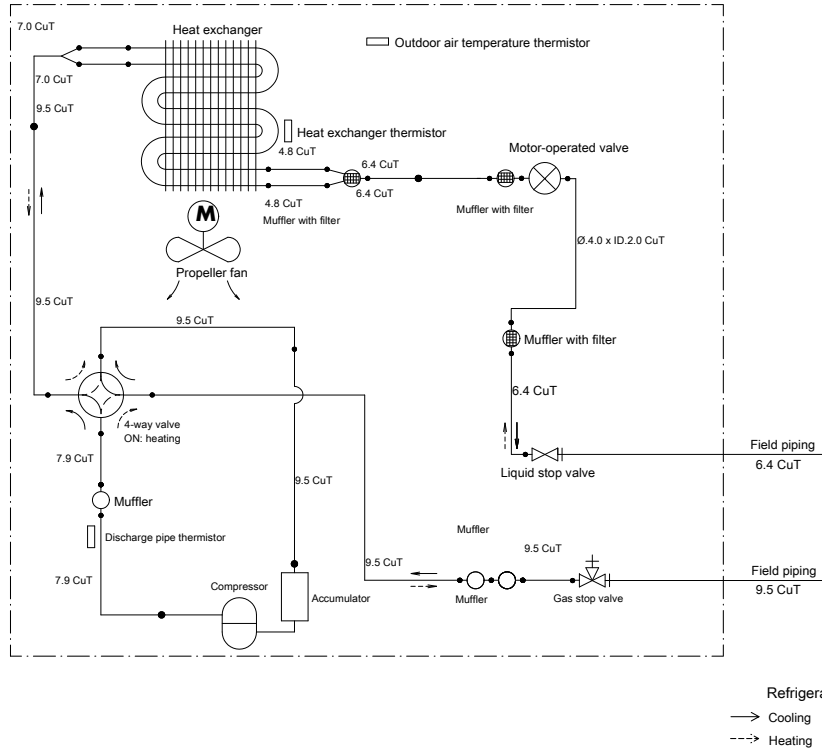
4D100855B

7 Piping diagrams

7 - 1 Piping Diagrams

RXM20-35R

Outdoor unit

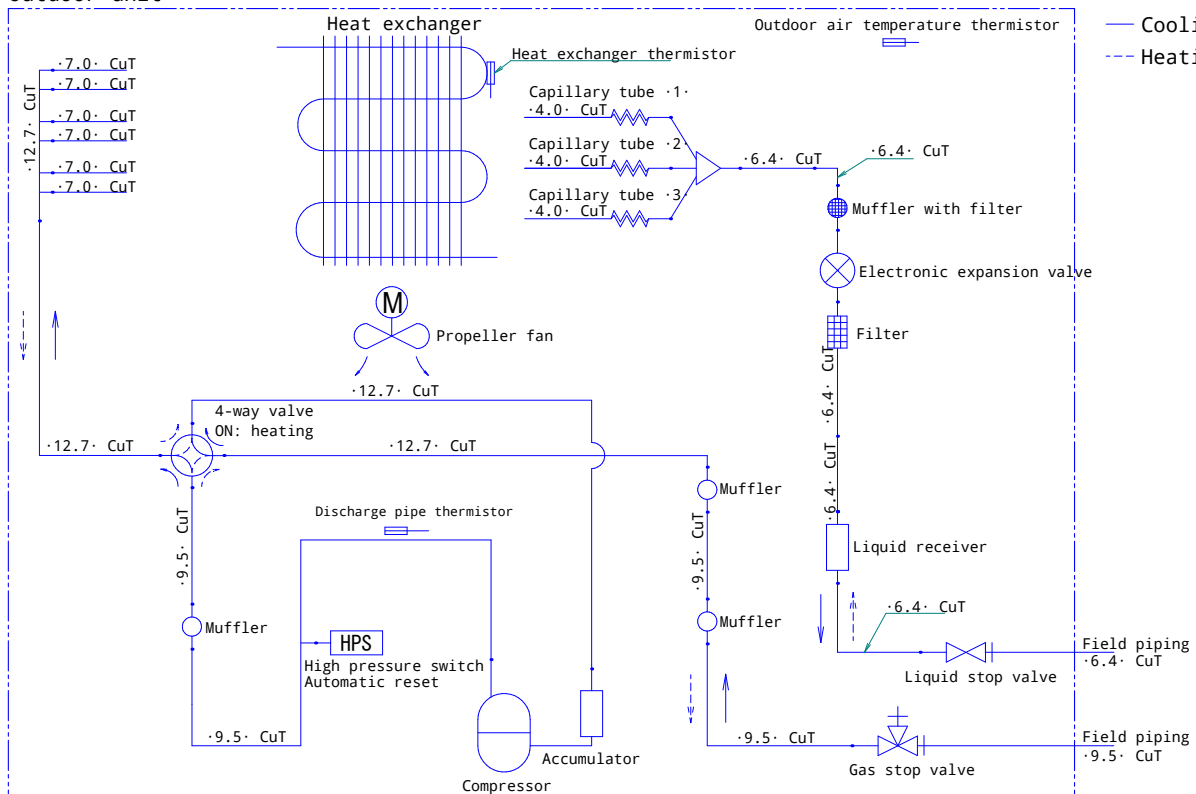


3D091995B

RXM42R

Outdoor unit

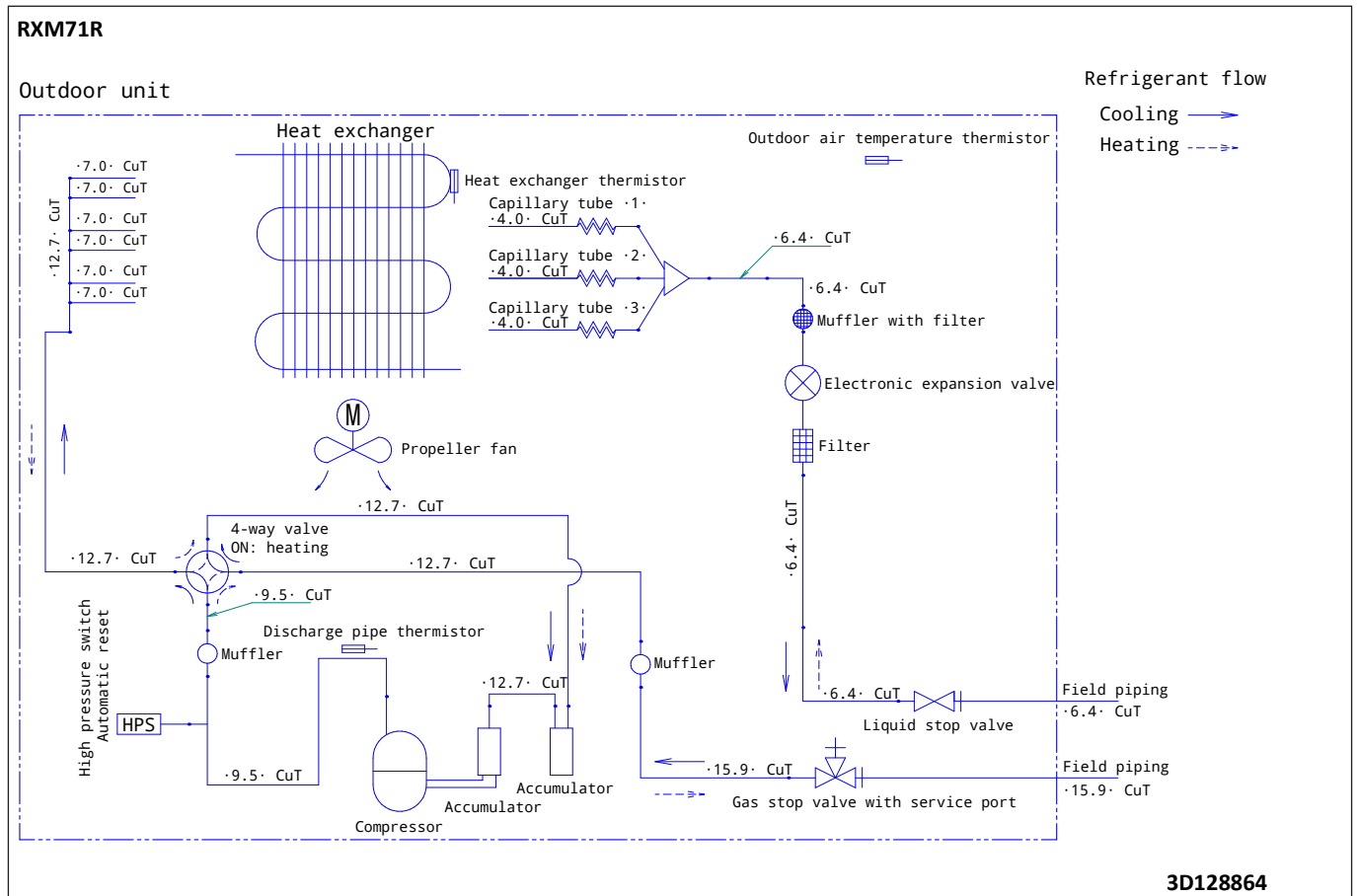
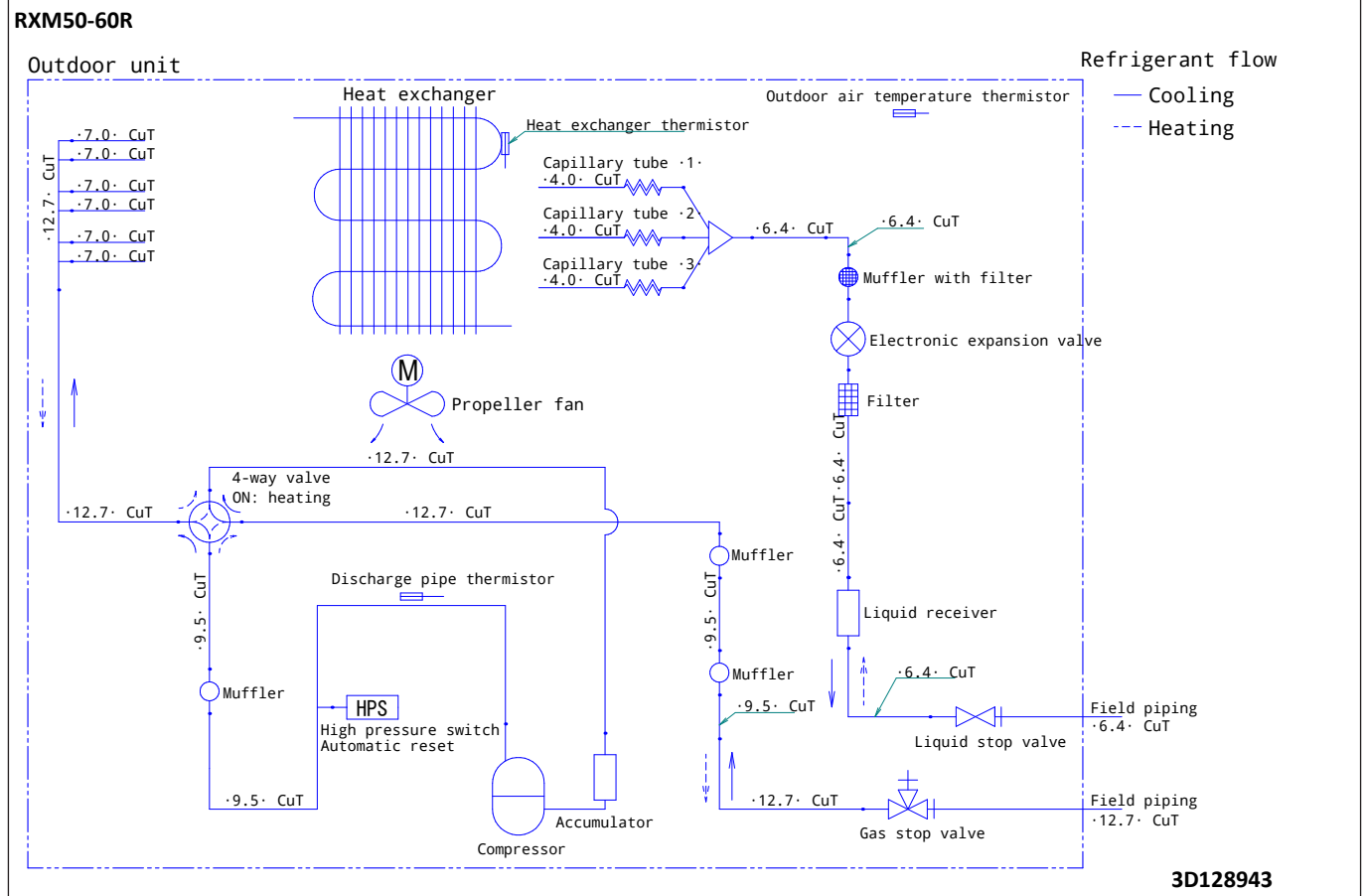
Refrigerant flow



3D128942

7 Piping diagrams

7 - 1 Piping Diagrams

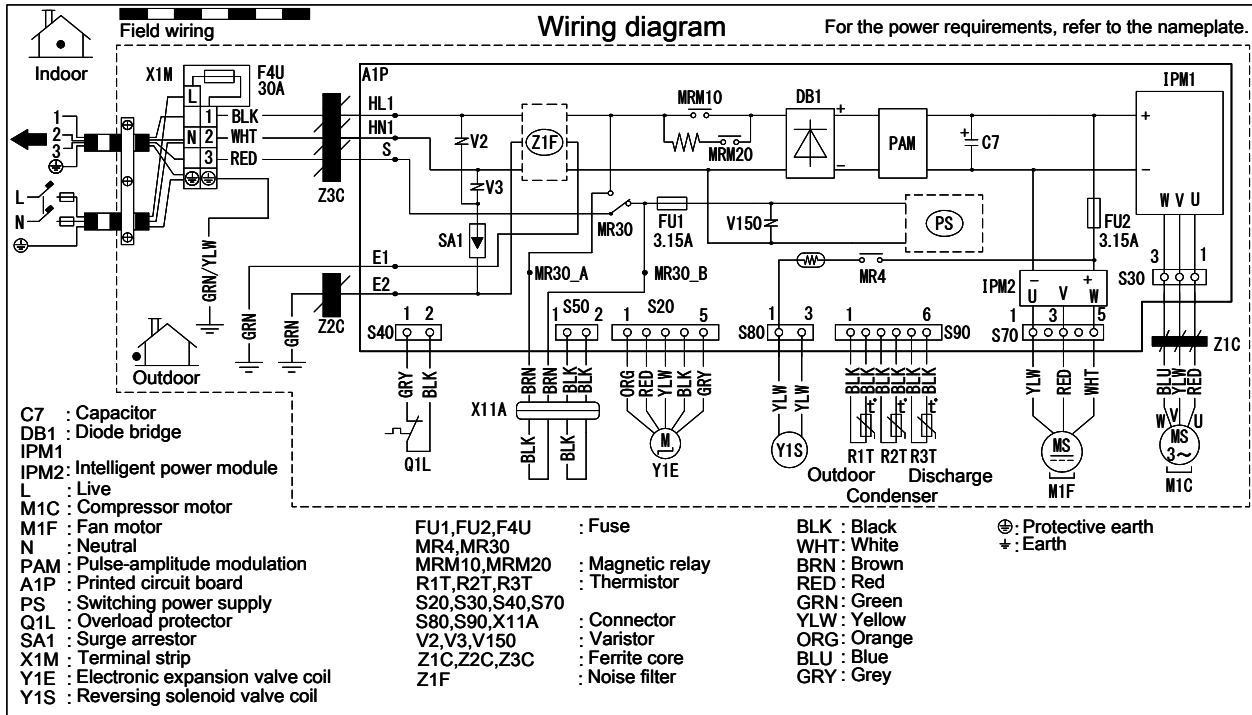


8 Wiring diagrams

8 - 1 Wiring Diagrams - Single Phase

8

RXM20-35R



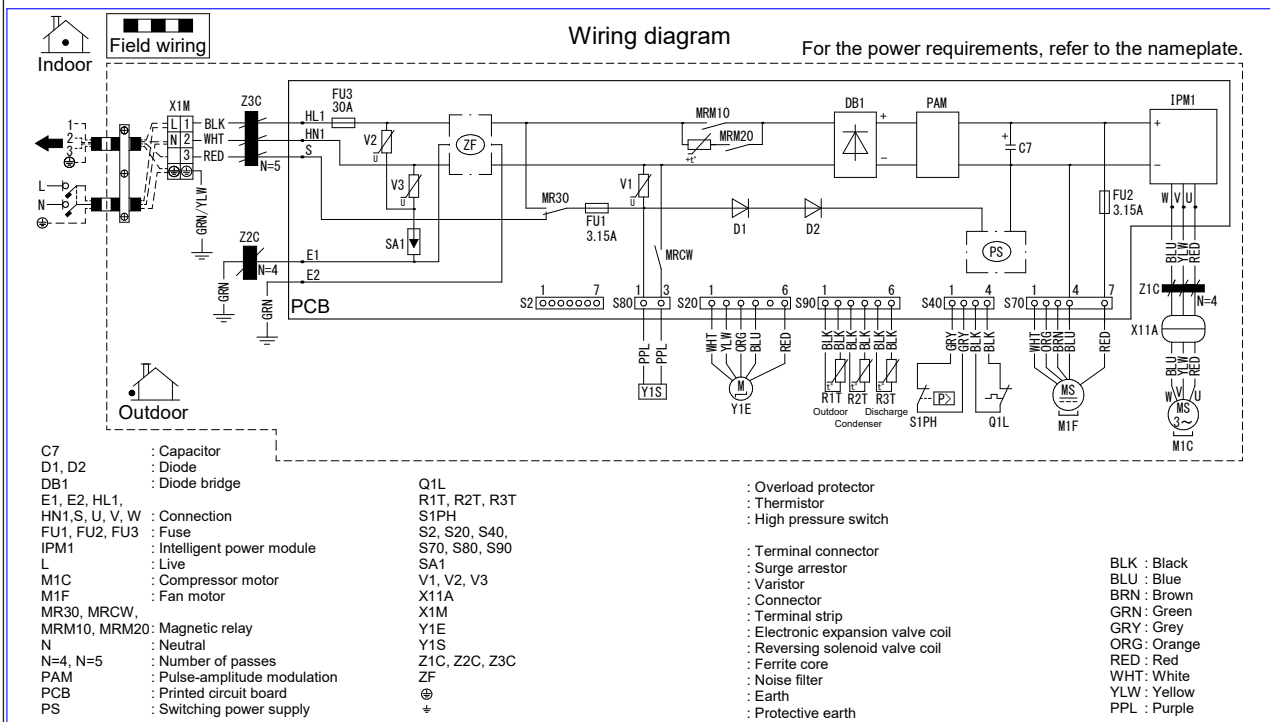
Notes

Size: 140 x 80

Refer to purchasing specification AS303002, unless otherwise specified.

4D120154

RXM42R

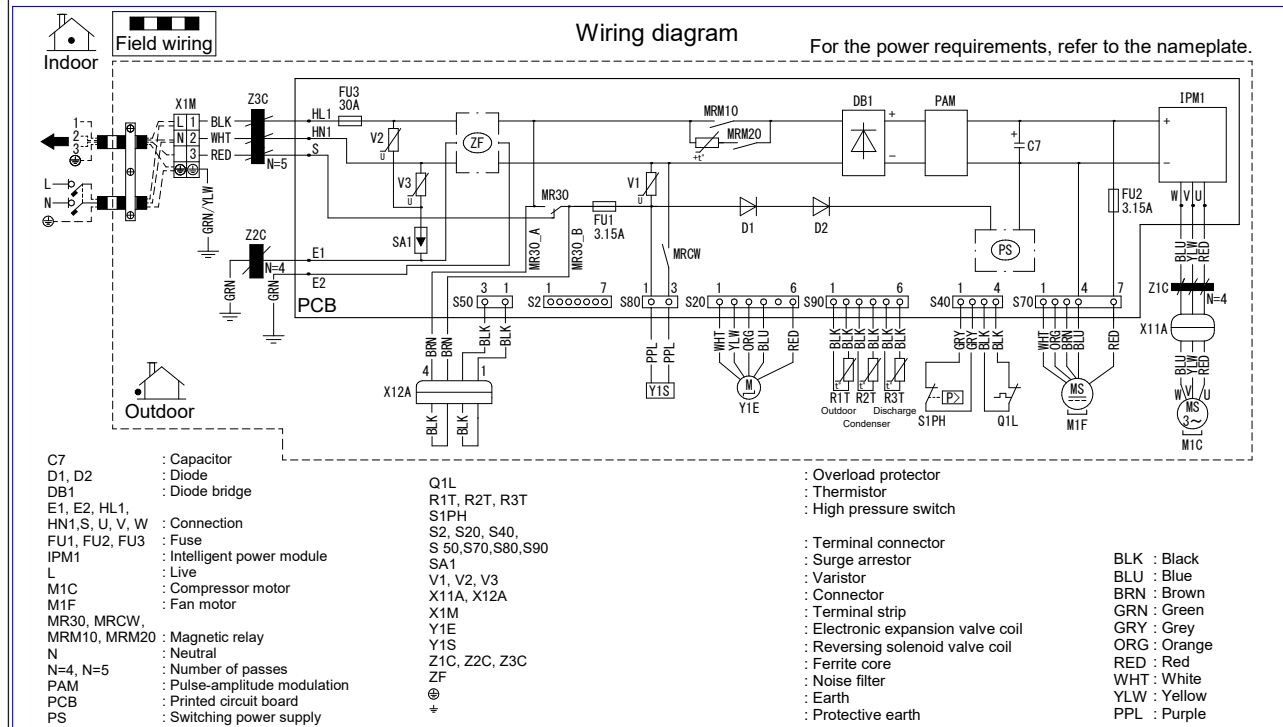


3D130905A

8 Wiring diagrams

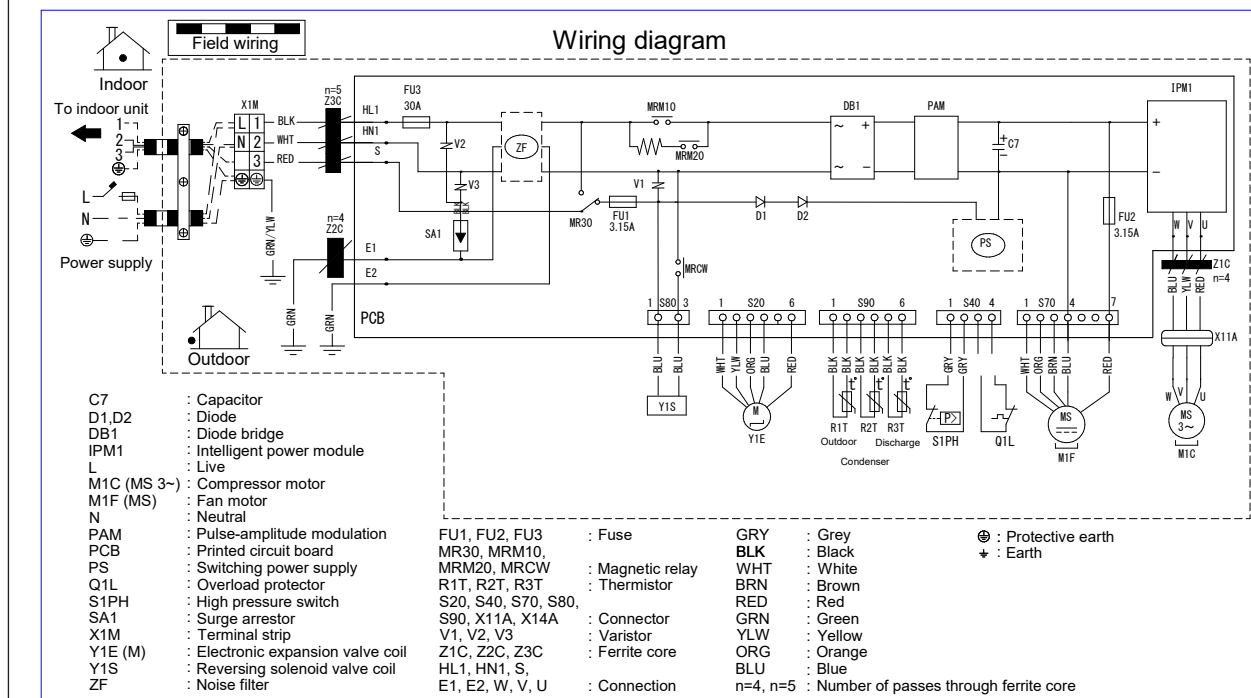
8 - 1 Wiring Diagrams - Single Phase

RXM50-60R



3D130906A

RXM71R

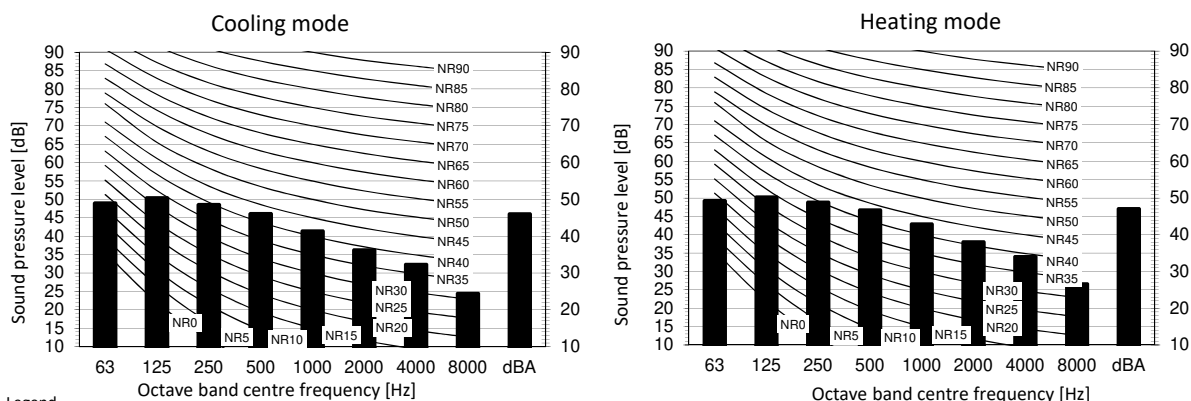


3D130907A

9 Sound data

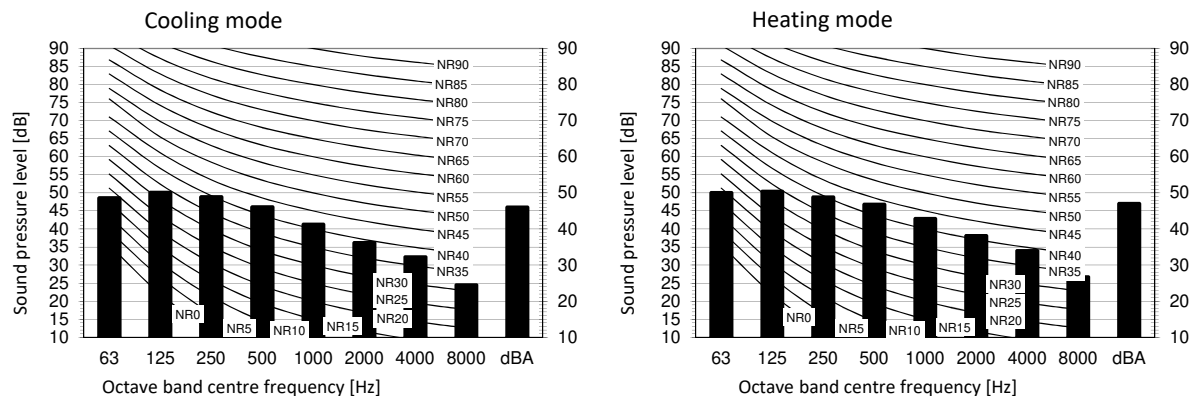
9 - 1 Sound Pressure Spectrum

RXM20R



3D110121A

RXM25R



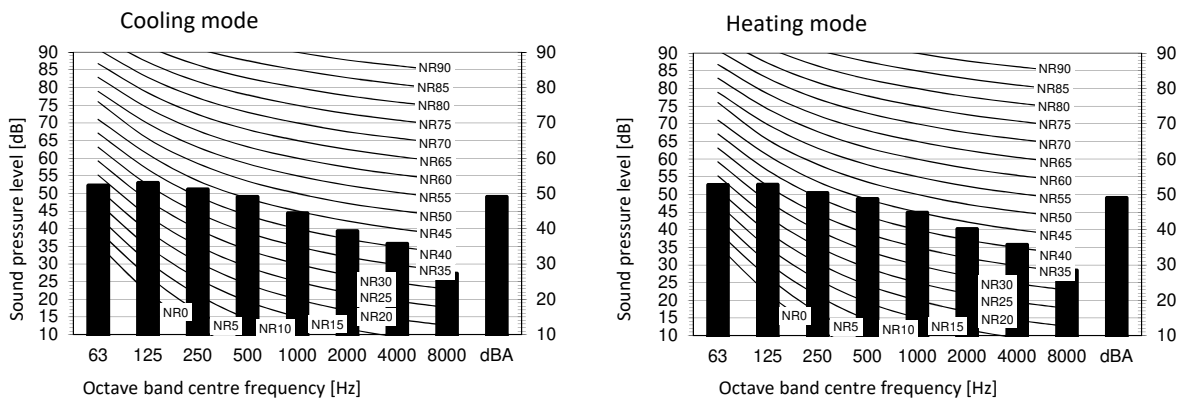
3D110122A

9 Sound data

9 - 1 Sound Pressure Spectrum

RXM35R

9



Legend

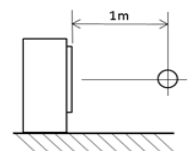
dBA = A-weighted sound pressure level (A scale according to IEC).

- A Scale
- B Fan speed: High

Notes

- 1 Background noise already taken into account.
- 2 Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
- 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

Location of microphone

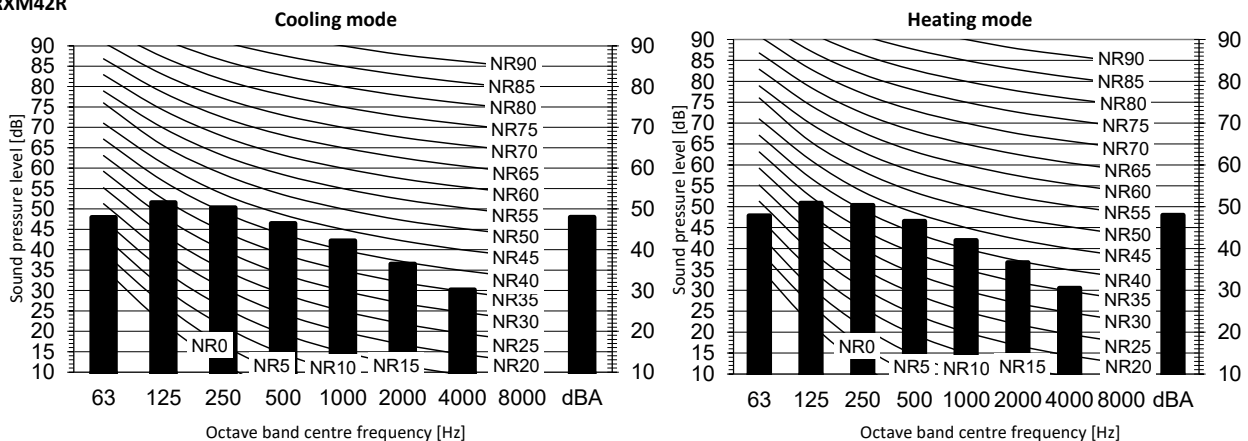


Cooling		Total dB	
A	B	A	B
dBA		49	

Heating		Total dB	
A	B	A	B
dBA		49	

3D110123A

RXM42R

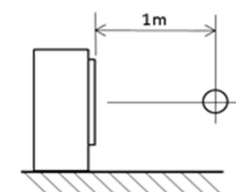


Legend

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

- A Scale
- B Fan speed: High

Location of microphone



Notes

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

Cooling		Total dB	
A	B	A	B
dBA		48	

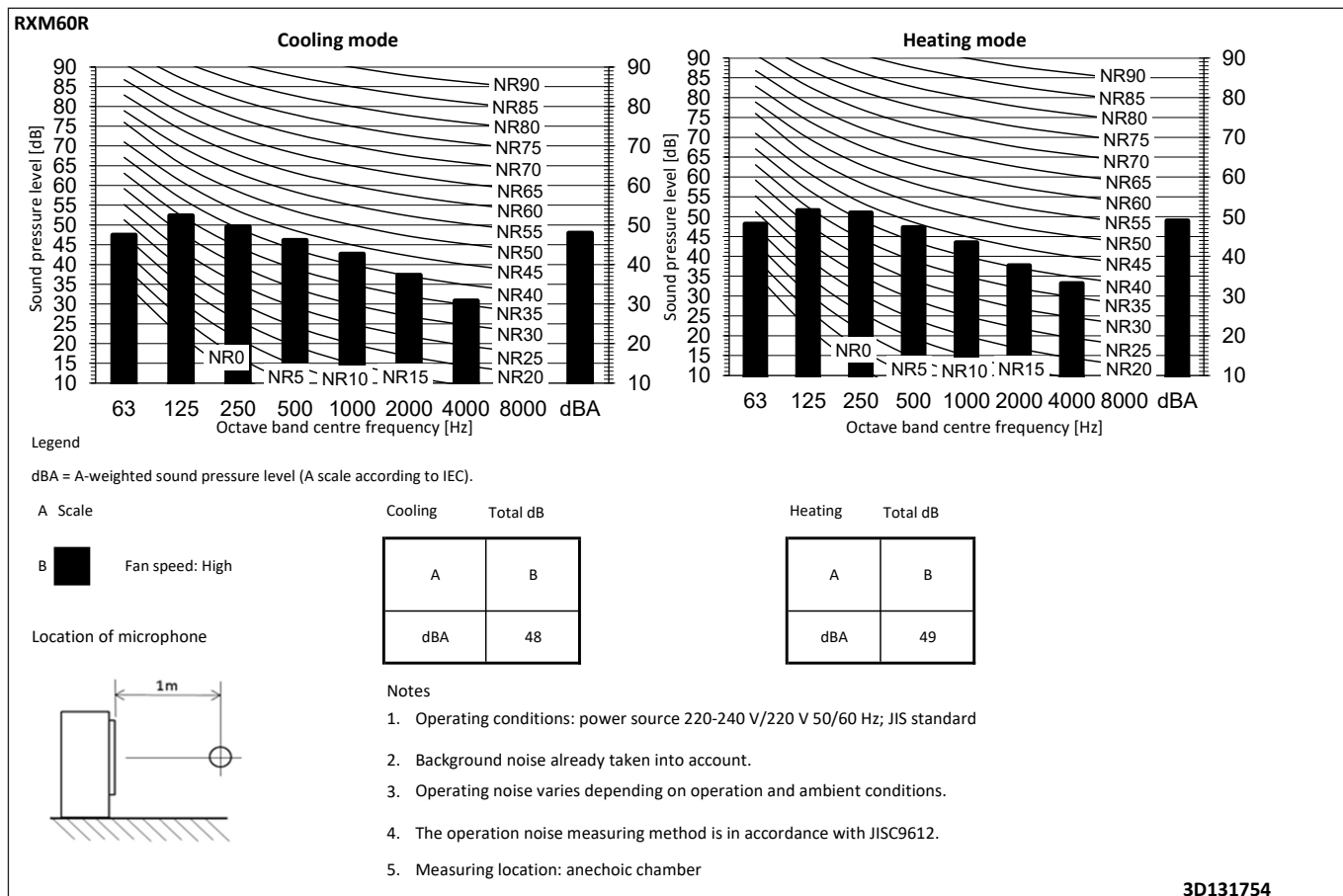
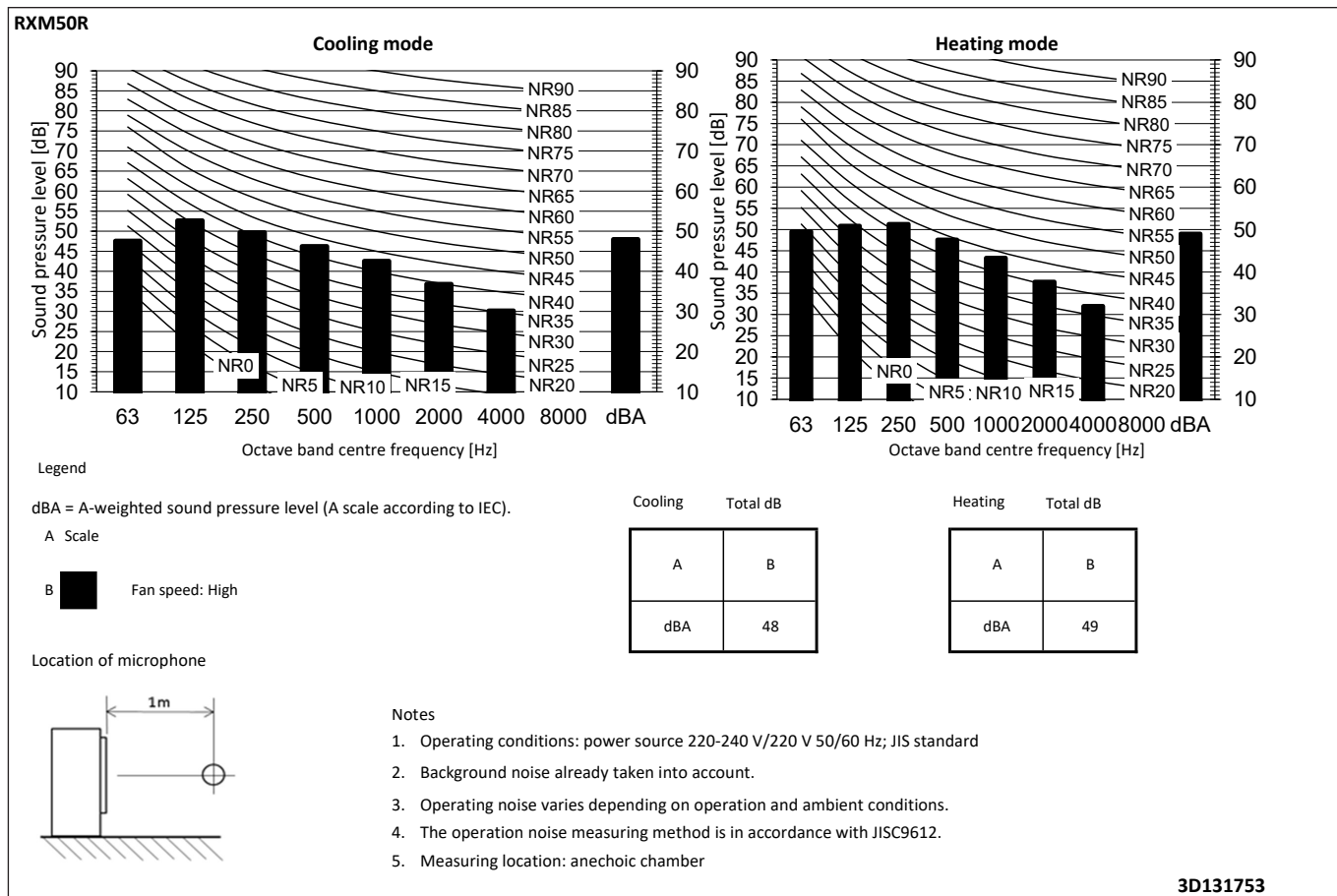
Heating		Total dB	
A	B	A	B
dBA		48	

3D131717

9 Sound data

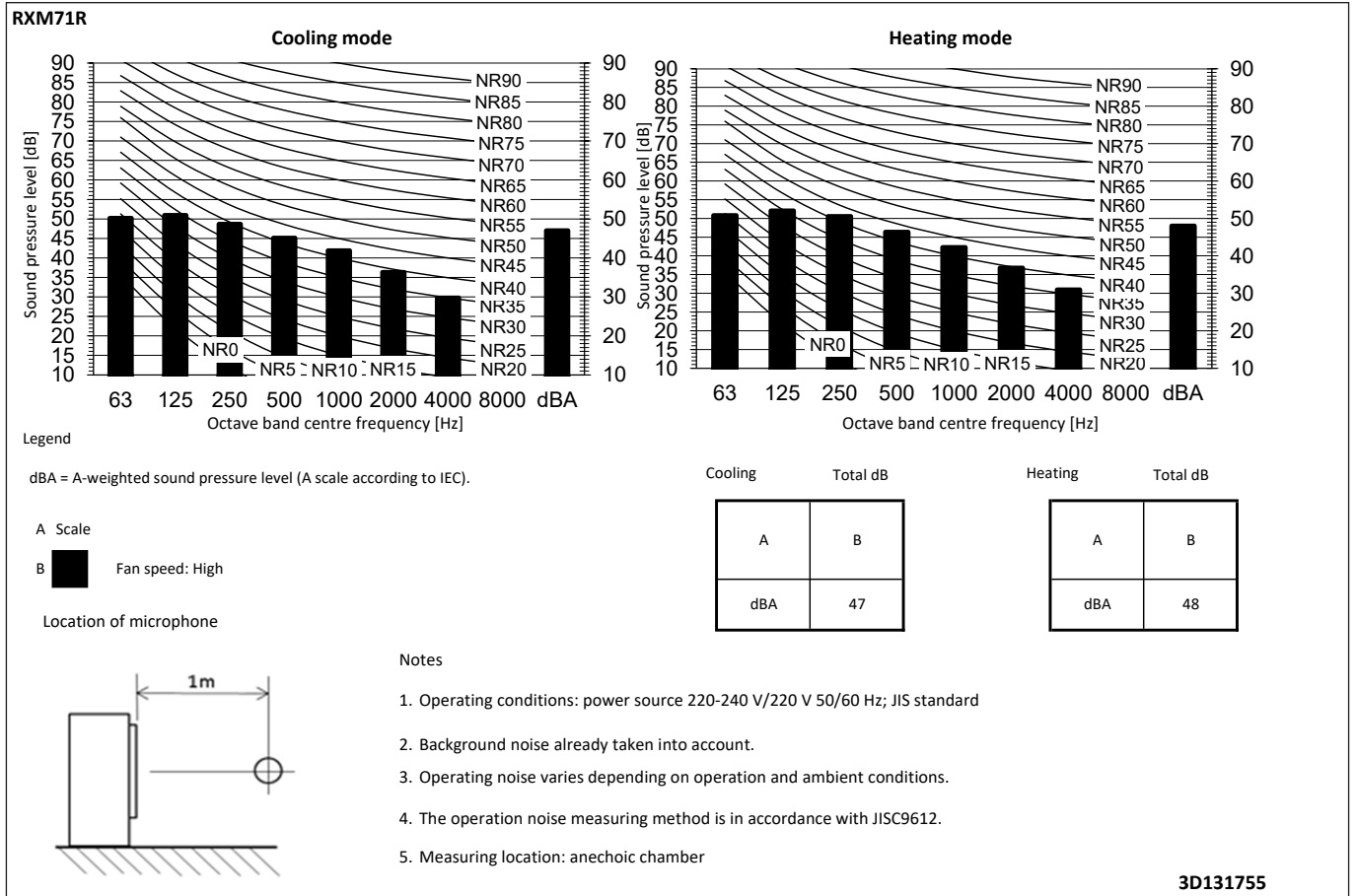
9 - 1 Sound Pressure Spectrum

9



9 Sound data

9 - 1 Sound Pressure Spectrum



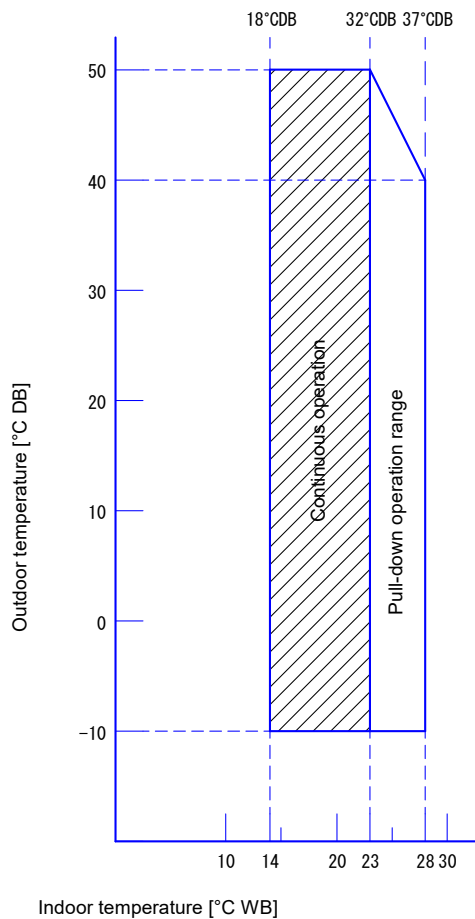
10 Operation range

10 - 1 Operation Range

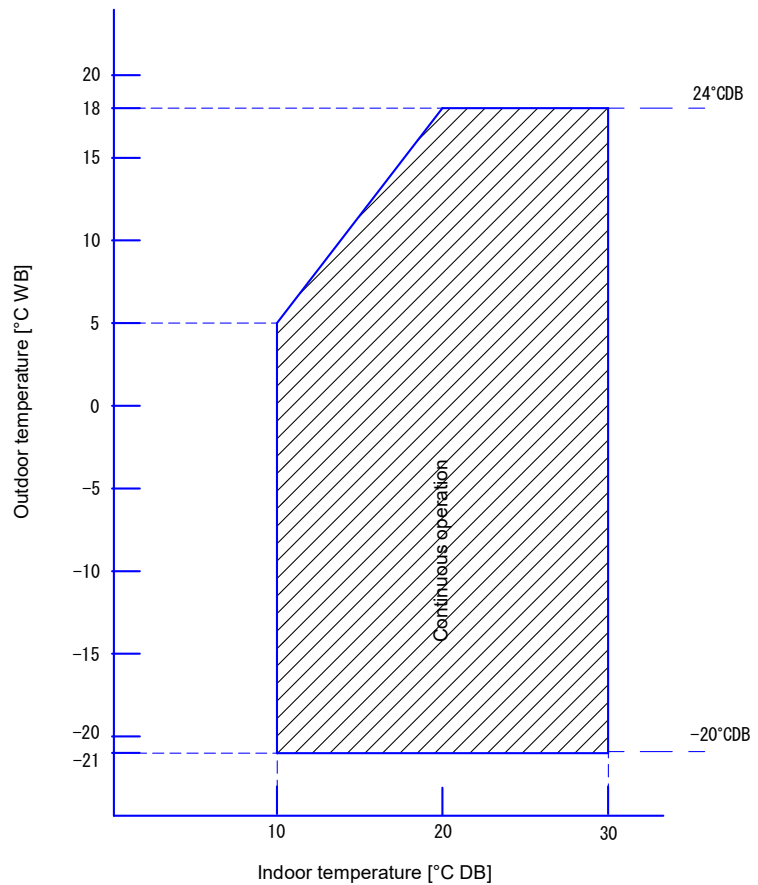
10

ARXM50R
RXM42-60R

Cooling



Heating



Notes

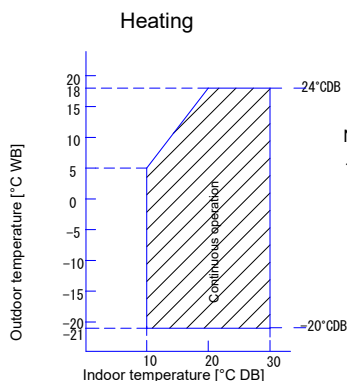
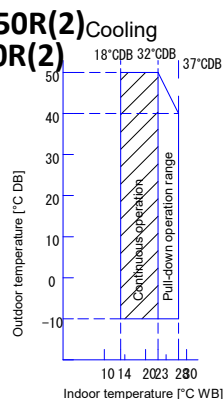
- The graph is based on the following conditions.
Corresponding refrigerant piping length: 5 m
Level difference: 0
Air flow rate High

4D132631

10 Operation range

10 - 1 Operation Range

ARXM25-50R(2) RXM20-60R(2)



Notes

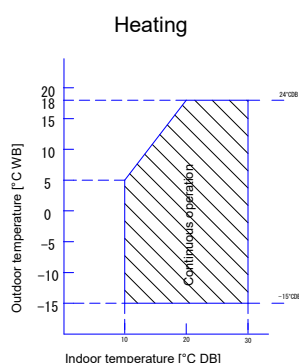
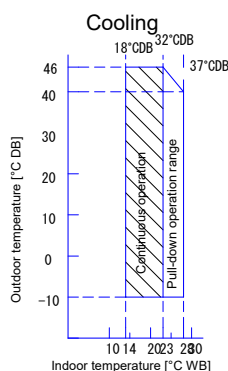
1. The graph is based on the following conditions.

Corresponding refrigerant piping length: 5 m

Level difference: 0 m

Air flow rate High

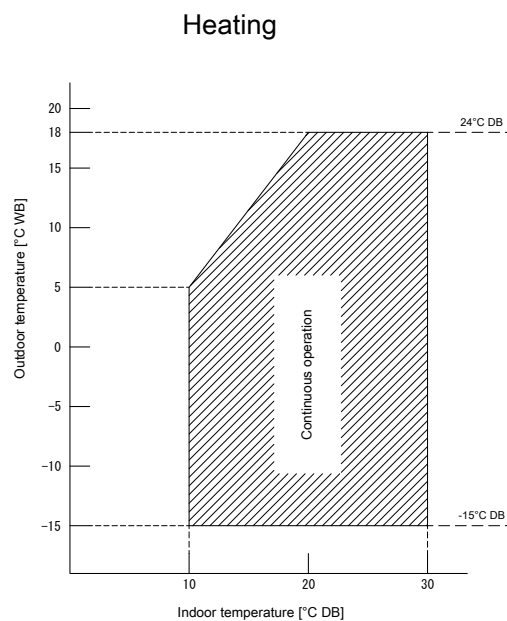
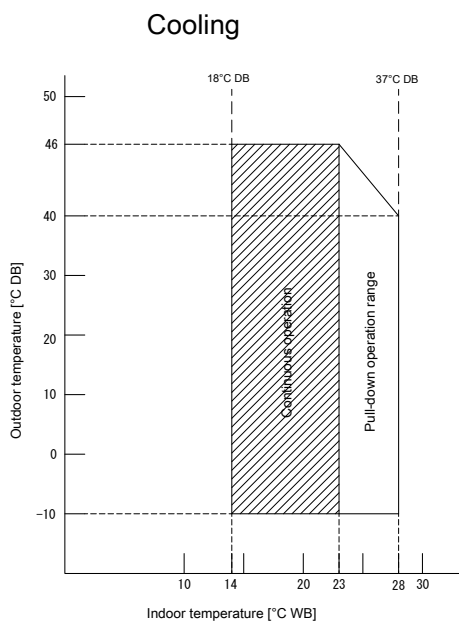
Only possible in combination with ·ATXM*N2V1B, FTXM*N2V1B, ATXM*R2V1B, ATXM*R5V1B, FTXM*R2V1B, FTXM*R5V1B.



Only possible in combination with ·ATXM*M2V1B, FTXM*M2V1B, FVXM*FV1B, FCAG*AVEB, FFA*A2VEB9, FBA*A2VEB9, FHA*AVEB9, FDXM*F3V1B9, FNA*A2VEB9, ADEA*A2VEB, FVXM*A2V1B.

3D119882E

RXM71R



Notes

1. The graphs is based on the following conditions.

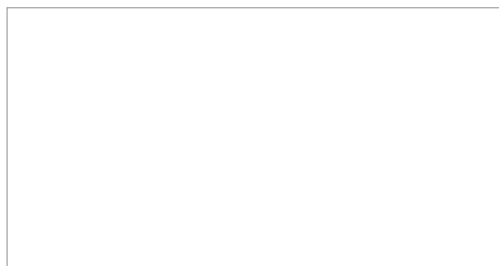
Corresponding refrigerant piping length: 5 m

Level difference: 0m

Air flow rate High

3D120207

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



EEDEN23



05/2023



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