



Air Conditioning Technical Data RXM-R



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1 Features

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- › Choosing for an R-32 product, reduces the environmental impact with 68% compared to R-410A and leads directly to lower energy consumption thanks to its high energy efficiency
- › Daikin 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



Outdoor
unit silent
operation

2 Specifications

1 - 1 RXM-R

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Technical Specifications					RXM25R	RXM35R	RXM50R	RXM60R
Casing	Colour	Ivory white						
Dimensions	Unit	Height	mm		550		734	
		Width	mm		765		870	
		Depth	mm		285		373	
	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			3.1		2.2	
	Tube type				ø7 Hi-XD		7.0 Hi-XD	
	Fin	Type				Waffle fin (PE)		
	Type					Propeller fan		
Fan	Air flow rate	Cooling	Nom.	m ³ /min	28.3	36.0	46.6	
				cfm	999	1,271	1,645	
	Heating	Nom.		m ³ /min	28.3		44.1	
				cfm	999		1,557	
Fan motor	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	-		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.	°CDB	-20 (1) / -15 (2)		-20 (4) / -15 (5)	
	Heating	Ambient	Max.	°CDB		24		
Sound power level	Heating	Nom.		dB(A)	59	61	62.0	63.0
Sound pressure level	Cooling	Nom.		dB(A)	46	49		48.0
	Heating	Nom.		dB(A)	47	49		49.0
Refrigerant	Type					R-32		
	Charge			kg	0.76		1.15	
	Charge			TCO ₂ Eq	0.52		0.780	
	Control				Expansion valve		-	
	GWP				675		675.0	
Piping connections	Liquid	OD		mm		6.35		
	Gas	OD		mm	9.50		12.7	
	Drain	OD		mm	18		16	
	Piping length	OU - IU	Max.	m	20		30	
	length	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		
Capacity control	Method					Variable (inverter)		

Technical Specifications					RXM25R	RXM35R	RXM50R	RXM20R	RXM42R	RXM60R	RXM71R
Casing	Colour	Ivory white									
Dimensions	Unit	Height	mm		550		734	550		734	
		Width	mm		765		870	765		870	954
		Depth	mm		285		373	285		373	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

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Technical Specifications					RXM25R	RXM35R	RXM50R	RXM20R	RXM42R	RXM60R	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			3.1		2.2	3.1	2.2		
	Tube type				ø7 Hi-XD		7.0 Hi-XD	ø7 Hi-XD	7.0 Hi-XD		ø7 Hi-XD
Fan	Fin	Type			Waffle fin (PE)						
	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
Fan motor	Model				DFC05A3VA		D55F-31	DFC05A3VA	D55F-31		D90B-37
		Output	W			50		55	50	55	
	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	720	740
			Low	rpm	400		660	400	500	660	680
Compressor	Model				1YC25GXD#C		2YC40JXD#C	1YC25GXD#C	2YC40JXD#C		2YC71DXD#C
	Oil Amount	cm³			-		650	-	650		900
	Type				Hermetically sealed swing compressor						
	Output	W			800		1,300.0	800	1,300.0		2,400.0
Compressor	Oil Type				-		FW68DA	-	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.	°CDB	-20 (1) / -15 (2)		-20 (4) / -15 (5)	-20 (1) / -15 (2)	-20 (4) / -15 (5)		-15
			Max.	°CDB			24				
Sound power level	Heating	Nom.	dBA		59	61	62.0	59	62.0	63.0	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	49.0	48.0
Refrigerant	Type				R-32						
	Charge	kg			0.76		1.15	0.76	1.10	1.15	
	Charge	TCO2Eq			0.52		0.780	0.52	0.750	0.780	
	Control				Expansion valve		-	Expansion valve	-		
	GWP				675		675.0	675	675.0		
Piping connections	Liquid	OD	mm		6.35						
	Gas	OD	mm		9.50		12.7	9.50		12.7	15.9
	Drain	OD	mm		18		16	18	16		18
	Piping length	OU - IU	Max.	m	20		30	20	30		
	System	Chargeless	m		10		-	10	-		
	Additional refrigerant charge	kg/m			0.02 (for piping length exceeding 10m)						
	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 gas labels; Quantity: 1;

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

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

Electrical Specifications					RXM25R	RXM35R	RXM50R	RXM20R	RXM42R	RXM60R	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		

Electrical Specifications					RXM25R	RXM35R	RXM50R	RXM20R	RXM42R	RXM60R	RXM71R
Power supply	Phase						1~				
	Frequency	Hz					50				
	Voltage	V					220-240				

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Electrical Specifications			RXM25R	RXM35R	RXM50R	RXM20R	RXM42R	RXM60R	RXM71R
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	16	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
Space heating (Warm climate)	Energy efficiency class		A+++	A++	A+	
	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		
Space cooling	A Condi- Pdc	kW	2.40	3.40	5.00	6.00
	tion (35°C EERd		3.77	2.98	3.06	2.93
	- 27/19) Power input	kW	0.64	1.14	1.63	2.05
	B Condi- Pdc	kW	1.76	2.50	3.69	4.43
	tion (30°C EERd		5.38	4.08	4.96	4.64
	- 27/19) Power input	kW	0.33	0.61	0.74	0.95
	C Condi- Pdc	kW	1.27	1.61	2.37	2.85
	tion (25°C EERd		8.92	8.05	8.21	6.96
	- 27/19) Power input	kW	0.14	0.20	0.29	0.41
	D Condi- Pdc	kW	1.31	1.46	2.26	
	tion (20°C EERd		10.90	9.65	9.47	10.44
	- 27/19) Power input	kW	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 Con- dition (-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 Condi- tion (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 Condi- tion (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 Con- dition (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 Con- dition (12°C)	Power input kW			0.17		0.20		0.35			
Power consump- tion in other than active mode	Crank- case 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 Condi- tion (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 Condi- tion (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 Con- dition (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 consump- tion 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				-			

2 Specifications

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Technical specifications					FDXM25F9 + RXM25R	FDXM35F9 + RXM35R	FDXM50F9 + RXM50R	FDXM60F9 + RXM60R
Eurovent	Sound power level outdoor	Cooling	Nom.	dBa	59	61	62	63
	Sound power level indoor	Cooling	Nom.	dBa	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

Technical specifications					FFA25A9 + RXM25R	FFA35A9 + RXM35R	FFA50A9 + RXM50R	FFA60A9 + RXM60R
Cooling capacity	Nom.			kW	2.50	3.40	5.00	5.70
				Btu/h	8,530	11,600	17,100	19,400
				kcal/h	2,150	2,923	4,299	4,884
Heating capacity	Nom.			kW	3.20	4.20	5.80	7.00
				Btu/h	10,919	14,300	19,800	23,900
				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				A		B
		Heating			A		B	
	Directive							
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
Space heating (Warm climate)	Energy efficiency class				A+++		A++	
	Capacity Pdesignh			kW	1.24		2.09	
	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
Space cooling	Required back up heating cap at design conditions			kW	0.00			
	A Condi- tion (35°C - 27/19)	Pdc		kW	2.50	3.40	5.00	5.70
	EERd				4.57	3.81	3.24	3.05
	Power input			kW	0.55	0.89	1.54	1.86
	B Condi- tion (30°C - 27/19)	Pdc		kW	1.84	2.51	3.69	4.20
	EERd				6.60	5.79	5.38	5.34
	Power input			kW	0.28	0.43	0.69	0.79
Space cooling	C Condi- tion (25°C - 27/19)	Pdc		kW	1.41	1.45	2.37	2.71
	EERd				9.11	9.13	7.85	7.24
	Power input			kW	0.16		0.30	0.37
	D Condi- tion (20°C - 27/19)	Pdc		kW	1.24	1.26	2.15	2.27
	EERd				11.95	11.99	10.67	9.66
	Power input			kW	0.10	0.11	0.20	0.23

2 Specifications

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Technical specifications					FFA25A9 + RXM25R	FFA35A9 + RXM35R	FFA50A9 + RXM50R	FFA60A9 + RXM60R
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 Con- dition (-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 Condi- tion (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 Condi- tion (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 Con- dition (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 consump- tion in other than active mode	Crank- case 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			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	
Space heating (Warm climate)	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 Condi- tion (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 Condi- tion (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 Con- dition (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 consump- tion 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	-		

2 Specifications

1 - 1 RXM-R

2

Technical specifications					FFA25A9 + RXM25R	FFA35A9 + RXM35R	FFA50A9 + RXM50R	FFA60A9 + RXM60R
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	B	A	D
	Directive	Heating			A	B	C	D
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
	Pdh 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
	Energy efficiency class					A+++		A++
	Capacity Pdesignh			kW	1.51	1.57	2.16	2.48
Space heating (Warm climate)	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
	Required back up heating cap at design conditions			kW		0.00		
	A Condi- tion (35°C - 27/19)	Pdc		kW	2.60	3.40	5.00	6.00
	EERd				3.80	3.09	3.38	2.70
	Power input			kW	0.68	1.10	1.48	2.22
	B Condi- tion (30°C - 27/19)	Pdc		kW	1.92	2.50	3.69	4.43
	EERd				5.17	4.41	5.02	4.64
Space cooling	Power input			kW	0.37	0.57	0.74	0.95
	C Condi- tion (25°C - 27/19)	Pdc		kW	1.27	1.61	2.37	2.85
	EERd				8.97	9.38	7.23	7.20
	Power input			kW	0.14	0.17	0.33	0.40
	D Condi- tion (20°C - 27/19)	Pdc		kW	1.33	1.46	1.74	2.34
	EERd				10.18	10.14	10.72	10.44
	Power input			kW	0.13	0.14	0.16	0.22

2 Specifications

1 - 1 RXM-R

2

Technical specifications					FNA25A9 + RXM25R	FNA35A9 + RXM35R	FNA50A9 + RXM50R	FNA60A9 + 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	2.21	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 input kW			0.89	0.95	1.22	1.44
	A Con- dition (-7°C)	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 input kW			0.89	0.95	1.22	1.44
	B Condi- tion (2°C)	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
	C Condi- tion (7°C)	Pdh (declared heating cap) kW			1.00	1.02	1.66	1.59
		COPd (declared COP)			5.51	5.16	5.08	
		Power input kW			0.18	0.20	0.33	0.31
	D Con- dition (12°C)	Pdh (declared heating cap) kW			1.17	1.19	1.96	1.95
		COPd (declared COP)			6.80	6.35	6.16	6.19
		Power input kW			0.17	0.19	0.32	
Power consump- tion in other than active mode	Crank- case 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	2.21	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 Condi- tion (2°C)	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
	C Condi- tion (7°C)	Pdh (declared heating cap) kW			1.00	1.02	1.66	1.59
		COPd (declared COP)			5.51	5.16	5.08	
		Power input kW			0.18	0.20	0.33	0.31
	D Con- dition (12°C)	Pdh (declared heating cap) kW			1.17	1.19	1.96	1.95
		COPd (declared COP)			6.80	6.35	6.16	6.19
		Power input kW			0.17	0.19	0.32	
	Power consump- tion 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	-		

2 Specifications

1 - 1 RXM-R

Technical specifications					FNA25A9 + RXM25R	FNA35A9 + RXM35R	FNA50A9 + RXM50R	FNA60A9 + RXM60R
Eurovent	Sound power level outdoor	Cooling	Nom.	dBA	59	61	62	63
	Sound power level indoor	Cooling	Nom.	dBA	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				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
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		
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)	Energy efficiency class			A++		A+
	Capacity Pdesign		kW	3.32	4.36	4.71
	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
	Energy efficiency class			A+++		
Space heating (Warm climate)	Capacity Pdesignh		kW	1.79	2.35	2.53
	SCOP			6.27	5.22	5.32
	SCOPnet			6.36	5.31	5.41
	Annual energy consumption		kWh/a	400	630	669
Space cooling	Required back up heating cap at design conditions		kW	0.00		
	A Condi- tion (35°C - 27/19)	Pdc EERd	kW	3.50	5.00	5.70
				3.72	3.58	3.31
		Power input	kW	0.94	1.40	1.72
	B Condi- tion (30°C - 27/19)	Pdc EERd	kW	2.60	3.69	4.20
				5.33	5.17	4.70
Space cooling		Power input	kW	0.49	0.71	0.89
	C Condi- tion (25°C - 27/19)	Pdc EERd	kW	1.68	2.37	2.71
				9.52	8.52	7.91
		Power input	kW	0.18	0.28	0.34
	D Condi- tion (20°C - 27/19)	Pdc EERd	kW	1.49	1.87	1.62
				12.25	10.69	12.13
		Power input	kW	0.12	0.17	0.13

2 Specifications

1 - 1 RXM-R

Technical specifications					FCAG35B + RXM35R	FCAG50B + RXM50R	FCAG60B + RXM60R	
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 Con- dition (-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 Condi- tion (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 Condi- tion (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 Con- dition (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 consump- tion in other than active mode	Crank- case heater mode	Cooling	PCK	kW	0.000	-	-	
		Heating	PCK	kW	0.000	-	-	
	Off mode	Cooling	POFF	kW	0.014	-	-	
		Heating	POFF	kW	0.014	-	-	
	Standby mode	Cooling	PSB	kW	0.014	-	-	
		Heating	PSB	kW	0.014	-	-	
	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			2.04	3.86	4.04	
		COPd (declared COP)			2.50	2.04	2.08	
		Power input kW			0.82	1.89	1.94	
Space heating (Warm climate)	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 Condi- tion (2°C)	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	
	C Condi- tion (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 Con- dition (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 consump- tion in other than active mode	Thermo- stat-off mode	PTO	Heating	W	-	15	
				Cooling	W	-	5	
		Standby mode	Cooling	PSB	W	-	8	
Heating			PSB	W	-	8		
Off mode		POFF		W	-	8		
Cooling	Cdc (Degradation cooling)				0.25			
Heating	Cdh (Degradation heating)				0.25			
Cooling function included					Yes			
Heating function included					Yes			
Average climate included					Yes			
Cold season included					No			
Warm season included					Yes			
Eurovent	Sound power level outdoor	Cooling	Nom.	dBA	61	62	63	
		Cooling	Nom.	dBA	49		51	
		Piping length	Cooling	Measuring condition	m	5.00		

2 Specifications

1 - 1 RXM-R

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

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	
	Energy labeling	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
	Energy efficiency class			A+++		A+
	Capacity	Pdesignh	kW	1.57	2.37	2.44
Space heating (Warm climate)	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 Condi- tion (35°C - 27/19)	Pdc EERd	kW	3.40	5.00	5.70
				4.02	3.55	3.48
		Power input	kW	0.85	1.41	1.64
	B Condi- tion (30°C - 27/19)	Pdc EERd	kW	2.51	3.69	4.20
				5.54	5.26	5.05
		Power input	kW	0.45	0.70	0.83
Space cooling	C Condi- tion (25°C - 27/19)	Pdc EERd	kW	1.73	2.37	2.71
				8.13	8.41	7.97
		Power input	kW	0.21	0.28	0.34
	D Condi- tion (20°C - 27/19)	Pdc EERd	kW	1.61	1.98	2.13
				9.06	10.52	8.54
		Power input	kW	0.18	0.19	0.25
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 Con- dition (-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 Condi- tion (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 Condi- tion (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 Con- dition (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

2 Specifications

1 - 1 RXM-R

2

Technical specifications					FBA35A9 + RXM35R	FBA50A9 + RXM50R	FBA60A9 + RXM60R
Power consumption in other than active mode	Crank-case 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		
		Pd _h (declared heating cap) kW			2.15	3.47	3.85
		COP _d (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	
	Pd _h (declared heating cap) kW			1.57	2.37	2.48	
	COP _d (declared COP)			4.03	4.20	4.18	
	Power input kW			0.39	0.56	0.59	
	B Condition (2°C)	Pd _h (declared heating cap) kW			1.57	2.37	2.44
		COP _d (declared COP)			4.03	4.20	4.18
		Power input kW			0.39	0.56	0.58
	C Condition (7°C)	Pd _h (declared heating cap) kW			1.02	1.61	1.60
		COP _d (declared COP)			5.18	4.55	4.41
		Power input kW			0.20	0.35	0.36
	D Condition (12°C)	Pd _h (declared heating cap) kW			1.19	1.58	1.79
		COP _d (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	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	61	62	63
	Sound power level indoor	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

Technical specifications				FHA35A9 + RXM35R	FHA50A9 + RXM50R	FHA50A9 + RXM50R	FHA60A9 + RXM60R	FHA60A9 + RXM60R
Cooling capacity	Nom.		kW	3.40	5.00		5.70	
			Btu/h	11,600	17,100		19,400	
	Nom.		kcal/h	2,923	4,299		4,884	
Heating capacity	Nom.		kW	4.00	6.00		7.20	
			Btu/h	13,600	20,500		24,600	
	Nom.		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				
				A	C			

2 Specifications

1 - 1 RXM-R

Technical specifications				FHA35A9 + RXM35R	FHA50A9 + RXM50R	FHA50A9 + RXM50R	FHA60A9 + RXM60R	FHA60A9 + RXM60R
Space cooling	Energy efficiency class			A++	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)	Energy efficiency class			A+	A			
	Capacity	Pdesign	kW	3.10		4.35		4.71
	SCOP/A			4.43		3.86		3.87
	SCOPnet/A			4.47		3.88		3.89
	PdH 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
Space heating (Warm climate)	Energy efficiency class			A+++		A+		A++
	Capacity	Pdesignh	kW	1.67		2.35		2.54
	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 Condi- Pdc		kW	3.40		5.00		5.70
	tion (35°C EERd			3.73		3.21		3.29
	- 27/19) Power input		kW	0.91		1.56		1.73
	B Condi- Pdc		kW	2.51		3.69		4.20
	tion (30°C EERd			5.28		5.04		4.88
	- 27/19) Power input		kW	0.48		0.73		0.86
Space cooling	C Condi- Pdc		kW	1.68		2.37		2.71
	tion (25°C EERd			9.59		8.25		8.34
	- 27/19) Power input		kW	0.18		0.29		0.33
	D Condi- Pdc		kW	1.64		2.31		2.26
	tion (20°C EERd			11.71		10.39		10.97
	- 27/19) Power input		kW	0.14		0.22		0.21
Space heating (Average climate)	TOL	Tol (temperature operating limit)		-15				
		Pdh (declared heating cap)	kW	2.47		3.85		3.92
		COPd (declared COP)		2.23		1.97		
		Power input		1.11		1.95		1.99
	TBivalent	Tbiv (bivalent temperature)		-7				
		Pdh (declared heating cap)	kW	2.74		3.85		4.12
		COPd (declared COP)		2.94		2.61		2.64
		Power input		0.93		1.48		1.56
	A Con- dition (-7°C)	Pdh (declared heating cap)	kW	2.74		3.85		4.17
		COPd (declared COP)		2.94		2.61		2.64
		Power input		0.93		1.48		1.56
	B Condi- tion (2°C)	Pdh (declared heating cap)	kW	1.67		2.35		2.54
		COPd (declared COP)		4.32		3.95		3.96
		Power input		0.39		0.59		0.64
	C Condi- tion (7°C)	Pdh (declared heating cap)	kW	1.14		1.54		1.63
		COPd (declared COP)		5.83		4.62		4.60
		Power input		0.20		0.33		0.35
	D Con- dition (12°C)	Pdh (declared heating cap)	kW	1.34		1.80		1.74
		COPd (declared COP)		7.24		5.65		
		Power input		0.19		0.32		0.31
	Power consump- tion in other than active mode	Crank- case heater mode	Cooling PCK	kW	0.000		-	
			Heating PCK	kW	0.000		-	
		Off mode	Cooling POFF	kW	0.014		-	
			Heating POFF	kW	0.014		-	
		Standby mode	Cooling PSB	kW	0.014		-	
			Heating PSB	kW	0.014		-	
		Thermo- stat-off mode	Cooling PTO	kW	0.010		-	
			Heating PTO	kW	0.010		-	
Space heating (Warm climate)	TOL	Tol (temperature operating limit)		-15				
		Pdh (declared heating cap)	kW	2.47		3.85		3.92
		COPd (declared COP)		2.23		1.97		

2 Specifications

1 - 1 RXM-R

2

Technical specifications					FHA35A9 + RXM35R	FHA50A9 + RXM50R	FHA50A9 + RXM50R	FHA60A9 + RXM60R	FHA60A9 + RXM60R
Space heating (Warm climate)	TOL	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 Condi- tion (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 Condi- tion (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 Con- dition (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	
Power consump- tion in other than active mode	Thermo- stat-off mode	PTO	Heating	W	-	10			
			Cooling	W	-	10			
	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				
Eurovent	Sound power level outdoor	Cooling	Nom.	dBa	61	62		63	
	Sound power level indoor	Cooling	Nom.	dBa	53	54			
	Piping length	Cooling	Measuring con- dition	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				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			
		Heating				A			
	Directive								

2 Specifications

1 - 1 RXM-R

Technical specifications			FVXM25A + RXM25R	FVXM35A + RXM35R	FVXM50A + RXM50R
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 Condi- Pdc	kW	2.40	3.40	5.00
	tion (35°C EERd		4.47	4.01	3.81
	- 27/19) Power input	kW	0.54	0.85	1.31
Space heating (Average climate)	B Condi- Pdc	kW	1.77	2.51	3.69
	tion (30°C EERd		6.50	5.82	5.49
	- 27/19) Power input	kW	0.27	0.43	0.67
	C Condi- Pdc	kW	1.23	1.62	2.37
Space heating (Warm climate)	tion (25°C EERd		10.51	9.63	8.59
	- 27/19) Power input	kW	0.12	0.17	0.28
	D Condi- Pdc	kW	1.18	1.12	2.20
	tion (20°C EERd		14.90	15.17	12.51
Space heating (Average climate)	- 27/19) Power input	kW	0.08	0.07	0.18
	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
Space heating (Average climate)	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
Space heating (Average climate)	Power input	kW	0.59	0.77	1.15
	A Con- Pdh (declared heating cap)	kW	2.04	2.48	3.63
	dition COPd (declared COP)		3.46	3.24	3.16
	(-7°C) Power input	kW	0.59	0.77	1.15
Space heating (Average climate)	B Condi- Pdh (declared heating cap)	kW	1.24	1.51	2.21
	tion (2°C) COPd (declared COP)		4.67	4.58	4.45
	Power input	kW	0.27	0.33	0.50
	C Condi- Pdh (declared heating cap)	kW	1.02	1.03	1.67
Space heating (Average climate)	tion (7°C) COPd (declared COP)		5.67	5.80	5.15
	Power input	kW		0.18	0.32
	D Con- Pdh (declared heating cap)	kW	1.06	1.18	1.84
	dition COPd (declared COP)		7.16	7.13	5.98
Space heating (Average climate)	(12°C) Power input	kW	0.15	0.17	0.31
	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
Space heating (Average climate)	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
Space heating (Average climate)	Power input	kW	0.27	0.33	0.50
	B Condi- Pdh (declared heating cap)	kW	1.24	1.51	2.21
	tion (2°C) COPd (declared COP)		4.67	4.58	4.45
	Power input	kW	0.27	0.33	0.50
Space heating (Average climate)	C Condi- Pdh (declared heating cap)	kW	1.02	1.03	1.67
	tion (7°C) COPd (declared COP)		5.67	5.80	5.15
	Power input	kW		0.18	0.32
	D Con- Pdh (declared heating cap)	kW	1.06	1.18	1.84
Space heating (Average climate)	dition COPd (declared COP)		7.16	7.13	5.98
	(12°C) Power input	kW	0.15	0.17	0.31

2 Specifications

1 - 1 RXM-R

2

Technical specifications					FVXM25A + RXM25R	FVXM35A + RXM35R	FVXM50A + RXM50R
Power consumption in other than active mode	Off mode	POFF		W	1		
	Standby mode	Cooling	PSB	W	1		
	mode	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
	Sound power level indoor	Cooling	Nom.	dBA	52	53	61
	Piping length	Cooling	Measuring condition	m	5.00		

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

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

See separate drawing for operation range |

See separate drawing for electrical data

Technical specifications					FVXM25F + RXM25R	FVXM35F + RXM35R	FVXM50F + RXM50R
Indoor unit					FVXM25FV1B	FVXM35FV1B	FVXM50FV1B9
Outdoor unit					RXM25R5V1B	RXM35R5V1B	RXM50R5V1B
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					A	
	Cooling Heating Directive					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

2 Specifications

1 - 1 RXM-R

Technical specifications					FVXM25F + RXM25R		FVXM35F + RXM35R		FVXM50F + RXM50R		
Space heating (Warm climate)	Capacity	Pdesignh		kW	1.29		1.56		2.27		
	Energy efficiency class				A+++						
	SCOP				5.81		5.44		4.96		
	SCOPnet				5.93		5.52		5.01		
	Annual energy consumption				311		402		641		
	Required back up heating cap at design conditions				kW		0.00				
Space cooling	A Condi-	Pdc	kW		2.50		3.50		5.00		
	tion (35°C	EERd			4.20		3.21		3.23		
	- 27/19)	Power input	kW		0.60		1.09		1.55		
	B Condi-	Pdc	kW		1.84		2.58		3.68		
	tion (30°C	EERd			6.36		4.75		5.07		
	- 27/19)	Power input	kW		0.29		0.54		0.73		
	C Condi-	Pdc	kW		1.17		1.68		2.38		
	tion (25°C	EERd			8.43		7.62		8.44		
	- 27/19)	Power input	kW		0.14		0.22		0.28		
	D Condi-	Pdc	kW		0.98		0.95		2.29		
	tion (20°C	EERd			11.48		11.50		11.88		
	- 27/19)	Power input	kW		0.09		0.08		0.19		
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 Con-	Pdh (declared heating cap)	kW		2.12		2.57		3.72	
		dition	COPd (declared COP)			3.25		2.40		2.20	
		(-7°C)	Power input			kW		0.65		1.07	
		1.69									
		B Condi-	Pdh (declared heating cap)	kW		1.29		1.56		2.27	
		tion (2°C)	COPd (declared COP)			4.39		4.03		4.32	
		Power input			kW		0.29		0.39		
		0.53									
	C Condi-	Pdh (declared heating cap)			kW		0.83		1.03		
	1.80										
Space heating (Average climate)	C Condi-	COPd (declared COP)			5.79		5.11		5.13		
	tion (7°C)	Power input			kW		0.14		0.20		
		0.35									
	D Con-	Pdh (declared heating cap)	kW		0.78		1.08		1.91		
	dition	COPd (declared COP)			7.27		7.24		6.25		
	(12°C)	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 Condi-	Pdh (declared heating cap)	kW		1.29		1.56		2.27	
		tion (2°C)	COPd (declared COP)			4.39		4.03		4.32	
		Power input			kW		0.29		0.39		
		0.53									
		C Condi-	Pdh (declared heating cap)	kW		0.83		1.03		1.80	
		tion (7°C)	COPd (declared COP)			5.79		5.11		5.13	
		Power input			kW		0.14		0.20		
		0.35									
	D Con-	Pdh (declared heating cap)	kW		0.78		1.08		1.91		
	dition	COPd (declared COP)			7.27		7.24		6.25		
	(12°C)	Power input			kW		0.11		0.15		
	0.31										
Power consump- tion 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				

2 Specifications

1 - 1 RXM-R

2

Technical specifications					FVXM25F + RXM25R	FVXM35F + RXM35R	FVXM50F + RXM50R
Eurovent	Sound power level outdoor	Cooling	Nom.	dBA	59	61	62
	Sound power level indoor	Cooling	Nom.	dBA	52		57
Eurovent	Piping length	Cooling	Measuring condition	m	5.0		

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				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
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
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	Cooling		A					
	Energy labeling	Heating		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
	Required back up heating cap at design conditions		kW	0.06	0.10	0.15	0.33	0.75	0.81
Space heating (Warm climate)	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
	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					

2 Specifications

1 - 1 RXM-R

Technical specifications				FTXM20R + RXM20R	FTXM25R + RXM25R	FTXM35R + RXM35R	FTXM42R + RXM42R	FTXM50R + RXM50R	FTXM60R + RXM60R	
Space cooling	A Condi- tion (35°C - 27/19)	Pdc	kW	2.00	2.50	3.40	4.20	5.00	6.00	
		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 Condi- tion (30°C - 27/19)	Pdc	kW	1.48	1.85	2.51	3.16	3.69	4.43	
		EERd		6.73	6.52	6.26	6.18	5.85	4.82	
		Power input	kW	0.22	0.28	0.40	0.51	0.63	0.92	
	C Condi- tion (25°C - 27/19)	Pdc	kW	1.10	1.19	1.62	2.05	2.37	2.85	
		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 Condi- tion (20°C - 27/19)	Pdc	kW	1.05	1.17	1.04	1.82	1.83	1.93	
		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	
Space heating (Average climate)	TOL	Tol (temperature operating limit)	°C	-20						
		Pdh (declared heating cap)	kW	2.14			2.67	3.12		
		COPd (declared COP)		2.29		2.50	1.99	2.04		
		Power input	kW	0.93		0.86	1.34	1.53		
	TBivalent	Tbiv (bivalent temperature)	°C	-7						
		Pdh (declared heating cap)	kW	2.04	2.13	2.22	3.76	4.07	4.26	
		COPd (declared COP)		3.51	3.60	3.55	3.16	2.95	2.68	
		Power input	kW	0.58	0.59	0.63	1.19	1.38	1.59	
	A Con- dition (-7°C)	Pdh (declared heating cap)	kW	2.04	2.13	2.22	3.76	4.07	4.26	
		COPd (declared COP)		3.51	3.60	3.55	3.16	2.95	2.68	
		Power input	kW	0.58	0.59	0.63	1.19	1.38	1.59	
	B Condi- tion (2°C)	Pdh (declared heating cap)	kW	1.24	1.29	1.35	2.16	2.48	2.63	
		COPd (declared COP)		5.16	5.14	5.11	4.54	4.80	4.31	
		Power input	kW	0.24	0.25	0.26	0.48	0.52	0.61	
	C Condi- tion (7°C)	Pdh (declared heating cap)	kW	0.96	0.94	0.93	1.43	1.70	1.67	
		COPd (declared COP)		6.34	6.26	6.25	6.32	6.02	5.64	
		Power input	kW	0.15			0.23	0.28	0.30	
	Space heating (Average climate)	D Con- dition (12°C)	Pdh (declared heating cap)	kW	0.99	1.08		1.54	1.98	1.96
			COPd (declared COP)		7.99	7.85	7.72	7.69	7.18	6.82
			Power input	kW	0.12	0.14			0.20	0.28
Space heating (Warm climate)	TOL	Tol (temperature operating limit)	°C	-20						
		Pdh (declared heating cap)	kW	2.14			2.67	3.12		
		COPd (declared COP)		2.29		2.50	1.99	2.04		
		Power input	kW	0.93		0.86	1.34	1.53		
	TBivalent	Tbiv (bivalent temperature)	°C	2						
		Pdh (declared heating cap)	kW	1.24	1.29	1.35	2.16	2.48	2.63	
		COPd (declared COP)		5.16	5.14	5.11	4.54	4.80	4.31	
		Power input	kW	0.24	0.25	0.26	0.48	0.52	0.61	
	B Condi- tion (2°C)	Pdh (declared heating cap)	kW	1.24	1.29	1.35	2.16	2.48	2.63	
		COPd (declared COP)		5.16	5.14	5.11	4.54	4.80	4.31	
		Power input	kW	0.24	0.25	0.26	0.48	0.52	0.61	
	C Condi- tion (7°C)	Pdh (declared heating cap)	kW	0.96	0.94	0.93	1.43	1.70	1.67	
		COPd (declared COP)		6.34	6.26	6.25	6.32	6.02	5.64	
		Power input	kW	0.15			0.23	0.28	0.30	
	D Con- dition (12°C)	Pdh (declared heating cap)	kW	0.99	1.08		1.54	1.98	1.96	
		COPd (declared COP)		7.99	7.85	7.72	7.69	7.18	6.82	
		Power input	kW	0.12	0.14		0.20	0.28	0.29	
	Power consump- tion 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			7	12	
		Heating	W	7			13	14		
Cooling	Cdc (Degradation cooling)			0.25						
Heating	Cdh (Degradation heating)			0.25						
Cooling function included				Yes						
Heating function included				Yes						
Average climate included				Yes						
Cold season included				No						
Warm season included				Yes						

2 Specifications

1 - 1 RXM-R

2

Technical specifications					FTXM20R + RXM20R	FTXM25R + RXM25R	FTXM35R + RXM35R	FTXM42R + RXM42R	FTXM50R + RXM50R	FTXM60R + RXM60R
Eurovent	Sound power level outdoor	Cooling	Nom.	dBA	59	58	61	62		63
	Sound power level indoor	Cooling	Nom.	dBA	57		58	60	58	60
	Piping length	Cooling	Measuring condition	m	5.00					

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					
	Energy labeling	Heating			D					
Space cooling	Energy efficiency class				A++					
	Capacity	Pdesign		kW	7.10					
	SEER				6.20					
	Annual energy consumption			kWh/a	401					
	Capacity	Pdesign		kW	6.20					
Space heating (Average climate)	Energy efficiency class				A+					
	SCOP/A				4.10					
	SCOPnet/A				4.13					
	Pdh Heating capacity at -10°			kW	5.01					
	Annual energy consumption			kWh/a	2,117					
Space heating (Average climate)	Required back up heating cap at design conditions			kW	1.19					
	Capacity	Pdesignh		kW	3.34					
	Energy efficiency class				A+++					
	SCOP				5.74					
	SCOPnet				5.81					
Space heating (Warm climate)	Annual energy consumption			kWh/a	814					
	Required back up heating cap at design conditions			kW	0.00					
	A Condi- tion (35°C	Pdc		kW	7.10					
	- 27/19)	EERd			3.03					
	- 27/19)	Power input		kW	2.34					
	B Condi- tion (30°C	Pdc		kW	5.24					
	- 27/19)	EERd			4.88					
	- 27/19)	Power input		kW	1.07					
	C Condi- tion (25°C	Pdc		kW	3.37					
	- 27/19)	EERd			7.39					
	- 27/19)	Power input		kW	0.46					
Space cooling	D Condi- tion (20°C	Pdc		kW	2.60					
	- 27/19)	EERd			9.69					
	- 27/19)	Power input		kW	0.27					

2 Specifications

1 - 1 RXM-R

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 Con- dition (-7°C)	Pdh (declared heating cap) kW			5.49		
		COPd (declared COP)			2.14		
	B Condi- tion (2°C)	Power input kW			2.57		
		Pdh (declared heating cap) kW			3.34		
COPd (declared COP)			4.18				
Space heating (Average climate)	D Con- dition (12°C)	Power input kW			0.80		
		Pdh (declared heating cap) kW			2.32		
		COPd (declared COP)			5.80		
	Power input kW			0.40			
	D Con- dition (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 Condi- tion (2°C)		Pdh (declared heating cap) kW			3.34		
		COPd (declared COP)			4.18		
C Condi- tion (7°C)		Power input kW			0.80		
		Pdh (declared heating cap) kW			2.32		
	COPd (declared COP)			5.80			
Power consump- tion in other than active mode	D Con- dition (12°C)	Power input kW			0.40		
		Pdh (declared heating cap) kW			2.38		
		COPd (declared COP)			7.17		
	Power input kW			0.33			
	Off mode	POFF W			1		
		Standby mode	Cooling	PSB	W	1	
			Heating	PSB	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	Cooling	Measuring condition	m	5.00		

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

2 Specifications

1 - 1 RXM-R

2

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.				
	Max.				
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
		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
	Capacity	Pdesignh kW	1.24	1.29	1.35
Space heating (Warm climate)	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
	Capacity	Pdesignh kW	1.24	1.29	1.35
Space cooling	A Condi- tion (35°C EERd	kW	2.00	2.50	3.40
	- 27/19) Power input	kW	4.57	4.50	4.23
	B Condi- tion (30°C EERd	kW	0.44	0.56	0.80
	- 27/19) Power input	kW	1.47	1.84	2.51
	C Condi- tion (25°C EERd	kW	6.88	6.60	6.25
	- 27/19) Power input	kW	0.21	0.28	0.40
	D Condi- tion (20°C EERd	kW	1.18		1.61
	- 27/19) Power input	kW	10.52	10.03	10.19
	E Condi- tion (15°C EERd	kW	0.11	0.12	0.16
	- 27/19) Power input	kW	0.11	0.12	0.16
	F Condi- tion (10°C EERd	kW	1.05		1.07
	- 27/19) Power input	kW	16.53	16.37	16.36
	G Condi- tion (5°C EERd	kW	0.06		0.07
	- 27/19) Power input	kW			

2 Specifications

1 - 1 RXM-R

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 Con- dition (-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 Condi- tion (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 Condi- tion (7°C)	Pdh (declared heating cap) kW			0.93	0.94	0.95
Space heating (Average climate)	C Condi- tion (7°C)	COPd (declared COP)			6.28	6.22	
		Power input kW			0.15		
	D Con- dition (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 Condi- tion (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 Condi- tion (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 Con- dition (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 consump- tion 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.	dBA	59	58	61
	Sound power level indoor	Cooling	Nom.	dBA	57		58
Eurovent	Piping length	Cooling	Measuring con- dition	m	5.00		

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.

3 Electrical data

3 - 1 Electrical Data

3

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	8,93	10	32,5	1,7 1,6 1,6	0,048	0,320	0,029	0,30
		50	230	MIN. 50Hz 198V								
		50	240									
RXM25N5V1B9	FTXM25R2V1B	50	220	MAX. 50Hz 264V	9,71	13	46,0	2,3 2,2 2,1	0,040	0,280	0,025	0,30
		50	230	MIN. 50Hz 198V								
		50	240									
RXM35N5V1B9	FTXM35R2V1B	50	220	MAX. 50Hz 264V	9,76	13	60,0	3,3 3,2 3,0	0,048	0,320	0,030	0,30
		50	230	MIN. 50Hz 198V								
		50	240									
ARXM25N5V1B9	ATXM25R2V1B	50	220	MAX. 50Hz 264V	9,71	13	46,0	2,3 2,2 2,1	0,040	0,280	0,025	0,30
		50	230	MIN. 50Hz 198V								
		50	240									
ARXM35N5V1B9	ATXM35R2V1B	50	220	MAX. 50Hz 264V	9,76	13	60,0	3,3 3,2 3,0	0,048	0,320	0,030	0,30
		50	230	MIN. 50Hz 198V								
		50	240									
RXM20N5V1B9	FTXM20R5V1B	50	220	MAX. 50Hz 264V	8,93	10	32,5	1,7 1,6 1,6	0,048	0,320	0,029	0,30
		50	230	MIN. 50Hz 198V								
		50	240									
RXM25N5V1B9	FTXM25R5V1B	50	220	MAX. 50Hz 264V	9,71	13	46,0	2,3 2,2 2,1	0,040	0,280	0,025	0,30
		50	230	MIN. 50Hz 198V								
		50	240									
RXM35N5V1B9	FTXM35R5V1B	50	220	MAX. 50Hz 264V	9,76	13	60,0	3,3 3,2 3,0	0,048	0,320	0,030	0,30
		50	230	MIN. 50Hz 198V								
		50	240									
ARXM25N5V1B9	ATXM25R5V1B	50	220	MAX. 50Hz 264V	9,71	13	46,0	2,3 2,2 2,1	0,040	0,280	0,025	0,30
		50	230	MIN. 50Hz 198V								
		50	240									
ARXM35N5V1B9	ATXM35R5V1B	50	220	MAX. 50Hz 264V	9,76	13	60,0	3,3 3,2 3,0	0,048	0,320	0,030	0,30
		50	230	MIN. 50Hz 198V								
		50	240									
RXM20R5V1B	FTXM20N2V1B	50	220	MAX. 50Hz 264V	8,84	10	35,0	2,0 2,1 2,2	0,048	0,320	0,022	0,22
		50	230	MIN. 50Hz 198V								
		50	240									
RXM25R5V1B	FTXM25N2V1B	50	220	MAX. 50Hz 264V	9,63	13	46,0	2,6 2,7 2,8	0,040	0,280	0,022	0,22
		50	230	MIN. 50Hz 198V								
		50	240									
RXM35R5V1B	FTXM35N2V1B	50	220	MAX. 50Hz 264V	9,70	13	60,0	4,2 4,4 4,6	0,048	0,320	0,027	0,25
		50	230	MIN. 50Hz 198V								
		50	240									
ARXM25R5V1B	ATXM25N2V1B	50	220	MAX. 50Hz 264V	9,63	13	46,0	2,6 2,7 2,8	0,040	0,280	0,022	0,22
		50	230	MIN. 50Hz 198V								
		50	240									
ARXM35R5V1B	ATXM35N2V1B	50	220	MAX. 50Hz 264V	9,70	13	60,0	4,2 4,4 4,6	0,048	0,320	0,027	0,25
		50	230	MIN. 50Hz 198V								
		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

RXM20-42R

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	Minimum ·50·Hz ·198·V				1,6				
		50	240					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	Minimum ·50·Hz ·198·V				2,2				
		50	240					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	Minimum ·50·Hz ·198·V				2,5				
		50	240					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	Minimum ·50·Hz ·198·V				2,2				
		50	240					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	Minimum ·50·Hz ·198·V				2,4				
		50	240					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	Minimum ·50·Hz ·198·V				3,2				
		50	240					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	Minimum ·50·Hz ·198·V				3,8				
		50	240					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	Minimum ·50·Hz ·198·V				3,5				
		50	240					3,6				
RXM35R5V1B	FHA35AVEB9	50	220	Maximum ·50·Hz ·264·V	11,29	13	64,0	3,8	0,048	0,320	0,090	0,60
		50	230	Minimum ·50·Hz ·198·V				4,0				
		50	240					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	Minimum ·50·Hz ·198·V				3,8				
		50	240					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	Minimum ·50·Hz ·198·V				3,8				
		50	240					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	Minimum ·50·Hz ·198·V				3,8				
		50	240					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	Minimum ·50·Hz ·198·V				2,2				
		50	240					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	Minimum ·50·Hz ·198·V				3,2				
		50	240					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	Minimum ·50·Hz ·198·V				4,1				
		50	240					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	Minimum ·50·Hz ·198·V				1,6				
		50	240					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	Minimum ·50·Hz ·198·V				2,2				
		50	240					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	Minimum ·50·Hz ·198·V				3,2				
		50	240					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	Minimum ·50·Hz ·198·V				4,1				
		50	240					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	Minimum ·50·Hz ·198·V				2,2				
		50	240					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	Minimum ·50·Hz ·198·V				3,2				
		50	240					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	Minimum ·50·Hz ·198·V				2,5				
		50	240					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	Minimum ·50·Hz ·198·V				3,7				
		50	240					3,6				

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.

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]

4D130519B

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.

3D133950

3 Electrical data

3 - 1 Electrical Data

RXM42-71R

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	MAX. 50Hz 264V	15,42	16	55	5,2	0,056	0,37	0,089	1,40	
		50	230	MIN. 50Hz 198V				5,0					
		50	240					4,8					
ARXM60R2V1B	ADEA60A2VEB	50	220	MAX. 50Hz 264V	15,86	16	66	6,2	0,056	0,37	0,070	1,30	
		50	230	MIN. 50Hz 198V				6,0					
		50	240					5,7					
ARXM71R2V1B	ADEA71A2VEB	50	220	MAX. 50Hz 264V	15,83	16	81	8,2	0,056	0,37	0,070	1,30	
		50	230	MIN. 50Hz 198V				7,8					
		50	240					7,5					
ARXM71R2V1B	FCAG71BVEB	50	220	MAX. 50Hz 264V	14,93	16	81	8,1	0,056	0,37	0,054	0,40	
		50	230	MIN. 50Hz 198V				7,7					
		50	240					7,4					
ARXM71R2V1B	FBA71A2VEB9	50	220	MAX. 50Hz 264V	15,83	16	81	8,2	0,056	0,37	0,070	1,30	
		50	230	MIN. 50Hz 198V				7,8					
		50	240					7,5					
ARXM71R2V1B	FAA71AUVEB	50	220	MAX. 50Hz 264V	14,93	16	83	8,3	0,056	0,37	0,048	0,40	
		50	230	MIN. 50Hz 198V				7,9					
		50	240					7,6					
RXM42R2V1B	FTXM42R2V1B	50	220	MAX. 50Hz 264V	10,36	13	48	4,3	0,056	0,37	0,034	0,30	
		50	230	MIN. 50Hz 198V				4,1					
		50	240					4,0					
RXM42R2V1B	FTXM42R5V1B	50	220	MAX. 50Hz 264V	10,36	13	48	4,3	0,056	0,37	0,034	0,30	
		50	230	MIN. 50Hz 198V				4,1					
		50	240					4,0					
RXM50R2V1B	FTXM50R2V1B	50	220	MAX. 50Hz 264V	14,54	16	54	4,7	0,056	0,37	0,046	0,60	
		50	230	MIN. 50Hz 198V				4,5					
		50	240					4,3					
ARXM50R2V1B	ATXM50R2V1B	50	220	MAX. 50Hz 264V	14,54	16	54	4,7	0,056	0,37	0,046	0,60	
		50	230	MIN. 50Hz 198V				4,5					
		50	240					4,3					
RXM50R2V1B	FCAG50BVEB	50	220	MAX. 50Hz 264V	14,21	16	58	5,2	0,056	0,37	0,048	0,30	
		50	230	MIN. 50Hz 198V				5,0					
		50	240					4,8					
RXM50R2V1B	FBA50A2VEB9	50	220	MAX. 50Hz 264V	15,42	16	55	5,2	0,056	0,37	0,089	1,40	
		50	230	MIN. 50Hz 198V				5,0					
		50	240					4,8					
RXM50R2V1B	FHA50AVEB9	50	220	MAX. 50Hz 264V	14,54	16	64	5,5	0,056	0,37	0,090	0,60	
		50	230	MIN. 50Hz 198V				5,3					
		50	240					5,2					
RXM50R2V1B	FFA50A2VEB9	50	220	MAX. 50Hz 264V	14,32	16	62	5,6	0,056	0,37	0,050	0,40	
		50	230	MIN. 50Hz 198V				5,4					
		50	240					5,3					
RXM50R2V1B	FDXM50F3V1B9	50	220	MAX. 50Hz 264V	14,87	16	55	4,9	0,056	0,37	0,060	0,90	
		50	230	MIN. 50Hz 198V				4,7					
		50	240					4,5					
RXM50R2V1B	FNA50A2VEB9	50	220	MAX. 50Hz 264V	14,43	16	55	4,9	0,056	0,37	0,060	0,50	
		50	230	MIN. 50Hz 198V				4,7					
		50	240					4,5					
RXM50R2V1B	FVXM50FV1B9	50	220	MAX. 50Hz 264V	14,32	16	60	5,4	0,056	0,37	0,048	0,10	
		50	230	MIN. 50Hz 198V				5,2					
		50	240					5,0					
RXM60R2V1B	FTXM60R2V1B	50	220	MAX. 50Hz 264V	15,09	16	70	6,6	0,056	0,37	0,046	0,60	
		50	230	MIN. 50Hz 198V				6,3					
		50	240					6,0					
RXM60R2V1B	FCAG60BVEB	50	220	MAX. 50Hz 264V	14,76	16	71	6,5	0,056	0,37	0,048	0,30	
		50	230	MIN. 50Hz 198V				6,3					
		50	240					6,2					
RXM60R2V1B	FBA60A2VEB9	50	220	MAX. 50Hz 264V	15,86	16	66	6,1	0,056	0,37	0,070	1,30	
		50	230	MIN. 50Hz 198V				6,0					
		50	240					5,8					
RXM60R2V1B	FHA60AVEB9	50	220	MAX. 50Hz 264V	15,09	16	62	5,5	0,056	0,37	0,091	0,60	
		50	230	MIN. 50Hz 198V				5,3					
		50	240					5,1					
RXM60R2V1B	FFA60A2VEB9	50	220	MAX. 50Hz 264V	15,09	16	70	6,5	0,056	0,37	0,050	0,60	
		50	230	MIN. 50Hz 198V				6,3					
		50	240					6,2					
RXM60R2V1B	FDXM60F3V1B9	50	220	MAX. 50Hz 264V	15,42	16	73	6,7	0,056	0,37	0,060	0,90	
		50	230	MIN. 50Hz 198V				6,5					
		50	240					6,4					
RXM60R2V1B	FNA60A2VEB9	50	220	MAX. 50Hz 264V	15,09	16	73	6,7	0,056	0,37	0,060	0,60	
		50	230	MIN. 50Hz 198V				6,5					
		50	240					6,4					
RXM71R2V1B	FTXM71R2V1B	50	220	MAX. 50Hz 264V	19,78	20	54	9,4	0,128	0,38	0,052	0,60	
		50	230	MIN. 50Hz 198V				8,9					
		50	240					8,6					

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.

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]

4D131055

3 Electrical data

3 - 1 Electrical Data

ARXM50-71R

RXM42-71R

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	MAX. 50Hz 264V	15.42	16	55	5.2	0.056	0.37	0.089	1.40
		50	230	MIN. 50Hz 198V				5.0				
		50	240					4.8				
ARXM60R5V1B	ADEA60A2VEB	50	220	MAX. 50Hz 264V	15.86	16	66	6.2	0.056	0.37	0.070	1.30
		50	230	MIN. 50Hz 198V				6.0				
		50	240					5.7				
ARXM71R5V1B	ADEA71A2VEB	50	220	MAX. 50Hz 264V	15.83	16	81	8.2	0.056	0.37	0.070	1.30
		50	230	MIN. 50Hz 198V				7.8				
		50	240					7.5				
ARXM71R5V1B	FCAG71BVEB	50	220	MAX. 50Hz 264V	14.93	16	81	8.2	0.056	0.37	0.054	0.40
		50	230	MIN. 50Hz 198V				7.7				
		50	240					7.4				
ARXM71R5V1B	FBA71A2VEB9	50	220	MAX. 50Hz 264V	15.83	16	81	8.2	0.056	0.37	0.070	1.30
		50	230	MIN. 50Hz 198V				7.8				
		50	240					7.5				
ARXM71R5V1B	FAA71AUVEB	50	220	MAX. 50Hz 264V	14.93	16	83	8.3	0.056	0.37	0.048	0.40
		50	230	MIN. 50Hz 198V				7.9				
		50	240					7.6				
RXM42R5V1B	FTXM42R2V1B	50	220	MAX. 50Hz 264V	10.36	13	48	4.3	0.056	0.37	0.034	0.30
		50	230	MIN. 50Hz 198V				4.1				
		50	240					4.0				
RXM42R5V1B	FTXM42R5V1B	50	220	MAX. 50Hz 264V	10.36	13	48	4.3	0.056	0.37	0.034	0.30
		50	230	MIN. 50Hz 198V				4.1				
		50	240					4.0				
RXM50R5V1B	FTXM50R2V1B	50	220	MAX. 50Hz 264V	14.54	16	54	4.7	0.056	0.37	0.046	0.60
		50	230	MIN. 50Hz 198V				4.5				
		50	240					4.3				
ARXM50R5V1B	ATXM50R2V1B	50	220	MAX. 50Hz 264V	14.54	16	54	4.7	0.056	0.37	0.046	0.60
		50	230	MIN. 50Hz 198V				4.5				
		50	240					4.3				
RXM50R5V1B	FCAG50BVEB	50	220	MAX. 50Hz 264V	14.21	16	58	5.0	0.056	0.37	0.048	0.30
		50	230	MIN. 50Hz 198V				4.8				
		50	240					4.6				
RXM50R5V1B	FBA50A2VEB9	50	220	MAX. 50Hz 264V	15.42	16	55	5.2	0.056	0.37	0.089	1.40
		50	230	MIN. 50Hz 198V				5.0				
		50	240					4.8				
RXM50R5V1B	FHA50AVEB9	50	220	MAX. 50Hz 264V	14.54	16	64	5.5	0.056	0.37	0.090	0.60
		50	230	MIN. 50Hz 198V				5.3				
		50	240					5.2				
RXM50R5V1B	FFA50A2VEB9	50	220	MAX. 50Hz 264V	14.32	16	62	5.6	0.056	0.37	0.050	0.40
		50	230	MIN. 50Hz 198V				5.4				
		50	240					5.3				
RXM50R5V1B	FDXM50F3V1B9	50	220	MAX. 50Hz 264V	14.87	16	55	4.9	0.056	0.37	0.060	0.90
		50	230	MIN. 50Hz 198V				4.7				
		50	240					4.5				
RXM50R5V1B	FNA50A2VEB9	50	220	MAX. 50Hz 264V	14.43	16	55	4.9	0.056	0.37	0.060	0.50
		50	230	MIN. 50Hz 198V				4.7				
		50	240					4.5				
RXM50R5V1B	FVXM50FV1B9	50	220	MAX. 50Hz 264V	14.32	16	60	5.4	0.056	0.37	0.048	0.10
		50	230	MIN. 50Hz 198V				5.2				
		50	240					5.0				
RXM60R5V1B	FTXM60R2V1B	50	220	MAX. 50Hz 264V	15.09	16	70	6.6	0.056	0.37	0.046	0.60
		50	230	MIN. 50Hz 198V				6.3				
		50	240					6.0				
RXM60R5V1B	FCAG60BVEB	50	220	MAX. 50Hz 264V	14.76	16	71	6.5	0.056	0.37	0.048	0.30
		50	230	MIN. 50Hz 198V				6.2				
		50	240					6.1				
RXM60R5V1B	FBA60A2VEB9	50	220	MAX. 50Hz 264V	15.86	16	66	6.1	0.056	0.37	0.070	1.30
		50	230	MIN. 50Hz 198V				6.0				
		50	240					5.8				
RXM60R5V1B	FHA60AVEB9	50	220	MAX. 50Hz 264V	15.09	16	62	5.8	0.056	0.37	0.091	0.60
		50	230	MIN. 50Hz 198V				5.1				
		50	240					5.1				
RXM60R5V1B	FFA60A2VEB9	50	220	MAX. 50Hz 264V	15.09	16	70	6.3	0.056	0.37	0.050	0.60
		50	230	MIN. 50Hz 198V				6.2				
		50	240					6.2				
RXM60R5V1B	FDXM60F3V1B9	50	220	MAX. 50Hz 264V	15.42	16	73	6.7	0.056	0.37	0.060	0.90
		50	230	MIN. 50Hz 198V				6.5				
		50	240					6.4				
RXM60R5V1B	FNA60A2VEB9	50	220	MAX. 50Hz 264V	15.09	16	73	6.7	0.056	0.37	0.060	0.60
		50	230	MIN. 50Hz 198V				6.5				
		50	240					6.4				
RXM71R5V1B	FTXM71R2V1B	50	220	MAX. 50Hz 264V	19.78	20	54	8.4	0.128	0.38	0.052	0.60
		50	230	MIN. 50Hz 198V				8.9				
		50	240					8.6				

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.

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]

3D133951

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	Maximum -50 Hz -264 V Minimum -50 Hz -198 V	11.62	13	49	4.4	0.056	0.37	0.028	0.22
		50	230					4.2				
		50	240					3.9				
RXM50N2V1B9	FTXM50N2V1B	50	220	Maximum -50 Hz -264 V Minimum -50 Hz -198 V	12.00	13	52	3.8	0.056	0.37	0.046	0.6
		50	230					3.5				
		50	240					3.2				
ARXM50N2V1B9	ATXM50N2V1B	50	220	Maximum -50 Hz -264 V Minimum -50 Hz -198 V	12.00	13	52	3.8	0.056	0.37	0.046	0.6
		50	230					3.5				
		50	240					3.2				
RXM50N2V1B9	FCAG50AVEB	50	220	Maximum -50 Hz -264 V Minimum -50 Hz -198 V	11.70	13	58	5.2	0.056	0.37	0.048	0.3
		50	230					5.0				
		50	240					4.8				
RXM50N2V1B9	FBA50AVEB	50	220	Maximum -50 Hz -264 V Minimum -50 Hz -198 V	12.80	13	55	5.2	0.056	0.37	0.089	1.4
		50	230					5.0				
		50	240					4.8				
RXM50N2V1B9	FHA50AVEB	50	220	Maximum -50 Hz -264 V Minimum -50 Hz -198 V	12.00	13	64	5.5	0.056	0.37	0.090	0.6
		50	230					5.3				
		50	240					5.2				
RXM50N2V1B9	FFA50A2VEB	50	220	Maximum -50 Hz -264 V Minimum -50 Hz -198 V	11.80	13	62	5.6	0.056	0.37	0.050	0.4
		50	230					5.4				
		50	240					5.3				
RXM50N2V1B9	FDXM50F3V1B	50	220	Maximum -50 Hz -264 V Minimum -50 Hz -198 V	12.30	13	55	4.9	0.056	0.37	0.060	0.9
		50	230					4.7				
		50	240					4.5				
RXM50N2V1B9	FNA50A2VEB	50	220	Maximum -50 Hz -264 V Minimum -50 Hz -198 V	11.90	13	55	4.9	0.056	0.37	0.060	0.5
		50	230					4.7				
		50	240					4.5				
RXM50N2V1B9	FVXM50FV1B	50	220	Maximum -50 Hz -264 V Minimum -50 Hz -198 V	11.50	13	60	5.4	0.056	0.37	0.048	0.1
		50	230					5.2				
		50	240					5.0				
RXM60N2V1B9	FTXM60N2V1B	50	220	Maximum -50 Hz -264 V Minimum -50 Hz -198 V	15.13	16	66	5.9	0.056	0.37	0.046	0.6
		50	230					5.7				
		50	240					5.5				
RXM60N2V1B9	FCAG60AVEB	50	220	Maximum -50 Hz -264 V Minimum -50 Hz -198 V	14.83	16	71	6.5	0.056	0.37	0.048	0.3
		50	230					6.3				
		50	240					6.2				
RXM60N2V1B9	FBA60AVEB	50	220	Maximum -50 Hz -264 V Minimum -50 Hz -198 V	15.83	16	66	6.1	0.056	0.37	0.070	1.3
		50	230					6.0				
		50	240					5.8				
RXM60N2V1B9	FHA60AVEB	50	220	Maximum -50 Hz -264 V Minimum -50 Hz -198 V	15.13	16	62	5.5	0.056	0.37	0.091	0.6
		50	230					5.3				
		50	240					5.1				
RXM60N2V1B9	FFA60A2VEB	50	220	Maximum -50 Hz -264 V Minimum -50 Hz -198 V	15.13	16	70	6.5	0.056	0.37	0.050	0.6
		50	230					6.3				
		50	240					6.2				
RXM60N2V1B9	FDXM60F3V1B	50	220	Maximum -50 Hz -264 V Minimum -50 Hz -198 V	15.43	16	73	6.7	0.056	0.37	0.060	0.9
		50	230					6.5				
		50	240					6.4				
RXM60N2V1B9	FNA60A2VEB	50	220	Maximum -50 Hz -264 V Minimum -50 Hz -198 V	15.13	16	73	6.4	0.056	0.37	0.060	0.6
		50	230					6.5				
		50	240					6.4				
RXM50R2V1B	FVXM50A2V1B	50	220	Maximum -50 Hz -264 V Minimum -50 Hz -198 V	14.04	16	58	5.3	0.056	0.37	0.037	0.14
		50	230					5.1				
		50	240					4.9				
RXM50N2V1B9	FTXM50R2V1B	50	220	Maximum -50 Hz -264 V Minimum -50 Hz -198 V	10.69	13	54	4.7	0.056	0.37	0.046	0.6
		50	230					4.5				
		50	240					4.3				
ARXM50N2V1B9	ATXM50R2V1B	50	220	Maximum -50 Hz -264 V Minimum -50 Hz -198 V	10.69	13	54	4.7	0.056	0.37	0.046	0.6
		50	230					4.5				
		50	240					4.3				
RXM60N2V1B9	FTXM60R2V1B	50	220	Maximum -50 Hz -264 V Minimum -50 Hz -198 V	13.44	16	70	6.6	0.056	0.37	0.046	0.6
		50	230					6.3				
		50	240					6.0				
RXM71N2V1B	FTXM71R2V1B	50	220	Maximum -50 Hz -264 V Minimum -50 Hz -198 V	18.30	20	54	7.9	0.128	0.38	0.052	0.34
		50	230					7.2				
		50	240					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 phases is ·2· %.
- 4) Use a circuit breaker instead of a fuse.

3D120639C

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.

3D133949

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

4

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		
°C	°C	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
-----	------

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

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

Heating ·220-240V 50Hz·

AFR	10,4
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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

Symbols

TC: Total capacity [kW]

PI: Power input [kW]

SHC: Sensible heat capacity [kW]

AFR: Air flow rate [m³/min]

BF: Bypass factor

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

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			
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC
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
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
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
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
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
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

Heating 50Hz 220-240V

AFR	8,7
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Indoor temperature		Outdoor temperature [°C WB]											
EDB	°C	-15				-10				-5			
°C	°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			
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC
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
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
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
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
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
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

Heating 50Hz 220-240V

AFR	9,0
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Indoor temperature		Outdoor temperature [°C WB]											
EDB	°C	-15				-10				-5			
°C	°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		
		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	°C	-15		-10		-5		0		6		10	
		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		
		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	°C	-15		-10		-5		0		6		10	
		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
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②	④											
	-15			-10			-5			0		
	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

- 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]

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		
	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
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
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
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
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
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

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

3D130939

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

4

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
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INDOOR		Outdoor temperature [°C WB]											
EDB		-15			-10			-5			0		
°C	°C	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	2,09	0,52	2,90	0,55	3,15	0,57
20		1,25	0,37	1,52	0,39	1,79	0,41	1,98	0,53	2,80	0,56	3,05	0,58
22		1,22	0,37	1,49	0,40	1,76	0,42	1,95	0,53	2,76	0,57	3,01	0,59
24		1,19	0,38	1,45	0,40	1,72	0,42	1,92	0,54	2,72	0,57	2,98	0,59
25		1,17	0,38	1,44	0,40	1,71	0,42	1,90	0,54	2,70	0,57	2,96	0,59
27		1,14	0,39	1,41	0,41	1,67	0,42	1,88	0,55	2,66	0,58	2,92	0,60

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

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

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

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

3D110075C**FDXM35F9 / RXM35R****Cooling · 220-240V 50Hz ·**

AFR	8,7
BF	0,17

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	2,96	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
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Indoor		Outdoor temperature [°C WB]									
EDB	°C	-15		-10		-5		0		6	
		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
20	1,75	0,95	2,12	1,00	2,50	1,05	2,87	1,09	4,00	1,15	4,36
22	1,70	0,96	2,07	1,01	2,45	1,06	2,82	1,10	3,94	1,16	4,31
24	1,65	0,97	2,03	1,02	2,40	1,07	2,78	1,11	3,89	1,17	4,25
25	1,63	0,98	2,01	1,02	2,38	1,07	2,76	1,12	3,86	1,18	4,22
27	1,59	0,99	1,96	1,03	2,33	1,08	2,71	1,13	3,81	1,19	4,21

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

4

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
-----	------

Indoor		Outdoor temperature [°C WB]									
EDB		-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
-----	------

Indoor		Outdoor temperature [°C WB]									
EDB		-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.

3D110086B

4 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			6			10		
°C	TC	PI	TC	PI	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.

3D110090B

FXVM35F / 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			6			10		
°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI		
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

4

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	
°C	°C	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
20	1,79	0,66	2,17	0,68	2,56	0,72	3,46	0,94	4,00	0,99	4,36
22	1,74	0,66	2,12	0,70	2,51	0,73	3,40	0,96	3,94	1,00	4,31
24	1,69	0,67	2,08	0,71	2,46	0,73	3,35	0,96	3,89	1,01	4,25
25	1,67	0,67	2,05	0,71	2,44	0,74	3,32	0,97	3,86	1,01	4,22
27	1,62	0,68	2,01	0,71	2,39	0,74	3,26	0,97	3,81	1,03	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 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
-----	------

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		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	0.21

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	3.86	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		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		2.66	0.79	3.33	0.89	4.00	1.00	3.87	1.11	5.61	1.26	6.01	1.32
20		2.45	0.84	3.12	0.95	3.79	1.05	3.70	1.16	5.40	1.31	5.80	1.38
22		2.36	0.86	3.03	0.97	3.70	1.07	3.63	1.18	5.32	1.33	5.72	1.40
24		2.28	0.88	2.95	0.99	3.62	1.09	3.56	1.20	5.23	1.35	5.63	1.42
25		2.24	0.89	2.91	1.00	3.58	1.10	3.52	1.21	5.19	1.35	5.59	1.43
27		2.15	0.91	2.82	1.02	3.49	1.13	3.45	1.23	5.11	1.36	5.51	1.45

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.

4D130637

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

4

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			
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC
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
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
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
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
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
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

Heating

·50· Hz ·220-240· V

AFR	15,33
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Indoor		Outdoor temperature [°C WB]											
EDB		-15				-10				-5			
°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

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

3D131701**FVXM50A / RXM50R**

Cooling ·50Hz 220-240V·

AFR	11,6
BF	0,11

Indoor		Outdoor temperature [°C DB]															
EWB	EDB	20				25				30				32			
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC
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
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
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
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
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
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

Heating ·50Hz 220-240V·

AFR	12,8
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Indoor		Outdoor temperature [°C WB]											
EDB		-15				-10				-5			
°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

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

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

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		
		°C	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		
		°C	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	5,86	1,70	
25,0	2,45	1,38	3,01	1,44	3,57	1,51	4,13	1,58	5,63	1,66	5,63	1,71	
27,0	2,38	1,39	2,94	1,46	3,50	1,53	4,06	1,59	5,18	1,67	5,18	1,73	

Symbols

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

Notes

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

3D110076D

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

4

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		-15			-10			-5			0		
°C	°C	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**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		
°C	°C	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

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

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

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

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

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

4

FHA50A9 / RXM50R**Cooling** -50· Hz -220 - 240· V

AFR	15,0
BF	0,18

Indoor temperature		Outdoor temperature [°C DB]																	
°C	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]											
°C	EDB	-15			-10			-5			0		
		TC	PI	SHC	TC	PI	SHC	TC	PI	SHC	TC	PI	SHC
15,0	20	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	22	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	25	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	27	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	30	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	32	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**FNA50A9 / RXM50R****Cooling** -50· Hz -220 - 240· V

AFR	16,0
BF	0,12

Indoor temperature		Outdoor temperature [°C DB]																	
°C	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	3,94	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]											
°C	EDB	-15			-10			-5			0		
		TC	PI	SHC	TC	PI	SHC	TC	PI	SHC	TC	PI	SHC
15,0	20	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	22	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	25	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	27	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	30	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	32	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

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

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		
		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	°C	-15			-10			-5			0		
		TC	PI	SHC	TC	PI	SHC	TC	PI	SHC	TC	PI	SHC
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	7,07
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	6,87
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	6,79
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	6,71
25,0	2,36	1,36	2,91	1,42	3,45	1,49	4,00	1,55	5,57	1,63	6,09	1,69	6,64
27,0	2,30	1,37	2,84	1,44	3,39	1,50	3,93	1,57	5,13	1,65	5,13	1,70	6,57

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

FHA60A9 / RXM60R

Cooling

50· Hz

220 - 240· V

AFR	19,5
BF	0,2

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	5,84	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]											
EDB	°C	-15			-10			-5			0		
		TC	PI	SHC	TC	PI	SHC	TC	PI	SHC	TC	PI	SHC
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	8,85
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	8,60
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	8,50
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	8,40
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	8,35
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	8,25

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

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

4

FTXM60N / RXM60R
FTXM60R / RXM60R**Cooling** ·50· Hz ·220 - 240· V

AFR	17,1
BF	0,17

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	5,10	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]											
		-15			-10			-5			0		
°C	EDB	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15,0	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	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	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	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	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	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.

3D117546B**FTXM60R / RXM60R****Cooling**

·50· Hz ·220-240· V

AFR	16,22
BF	0,21

Indoor		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	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]											
		-15			-10			-5			0		
°C	EDB	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

FNA60A9 / 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	1,66	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
-----	------

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

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		
°C	°C	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

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	
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
-----	------

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	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**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		
		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	°C	-15		-10		-5		0		6		10	
		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	7,13	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

FTXM71R / RXM71R

Cooling

·50· Hz ·220-240· V

AFR	15,95
BF	0,06

Indoor		Outdoor temperature [°C DB]															
EWB	EDB	20				25				30				35			
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC
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
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
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
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
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
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

Heating

·50· Hz ·220-240· V

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

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

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

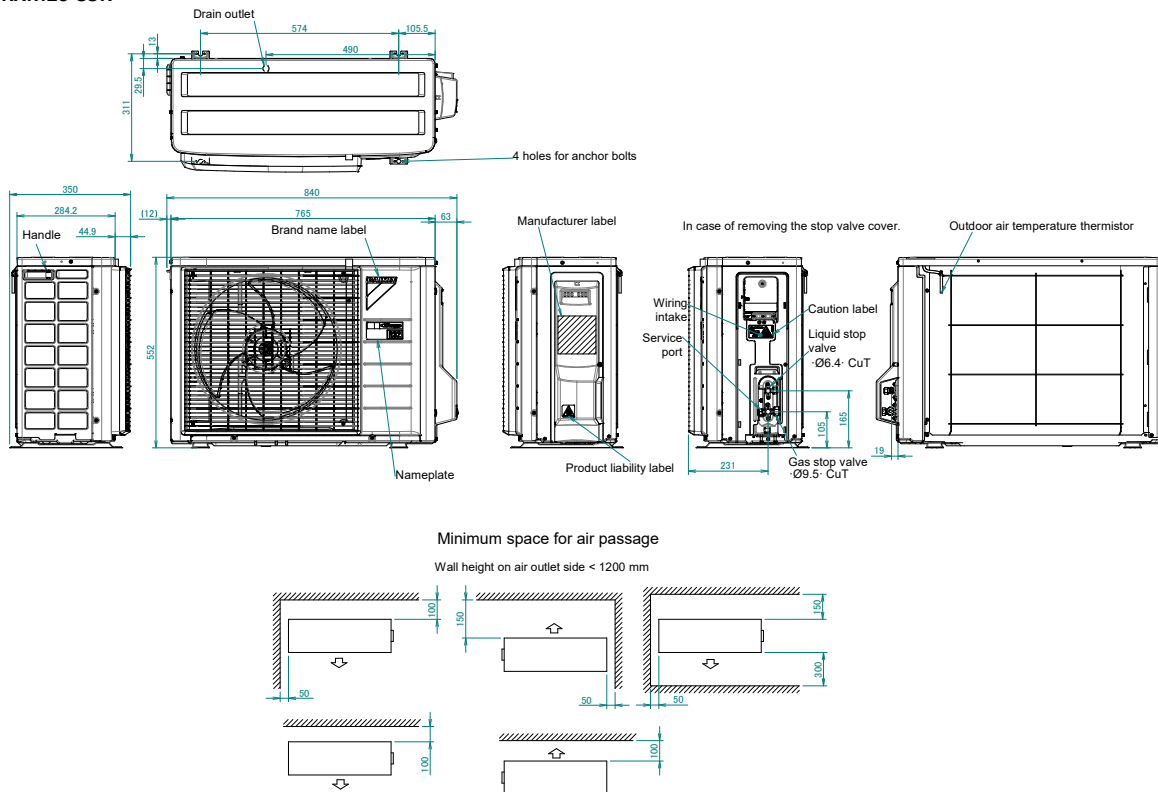
- The ratings shown are net capacities which include a deduction for indoor fan motor heat.
- On the figure the mark shows the rated capacity and rated coefficient of the power input.
- The total capacity, power input and sensible heat capacity must be calculated by interpolation, using the figures in 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.

3D131703

5 Dimensional drawings

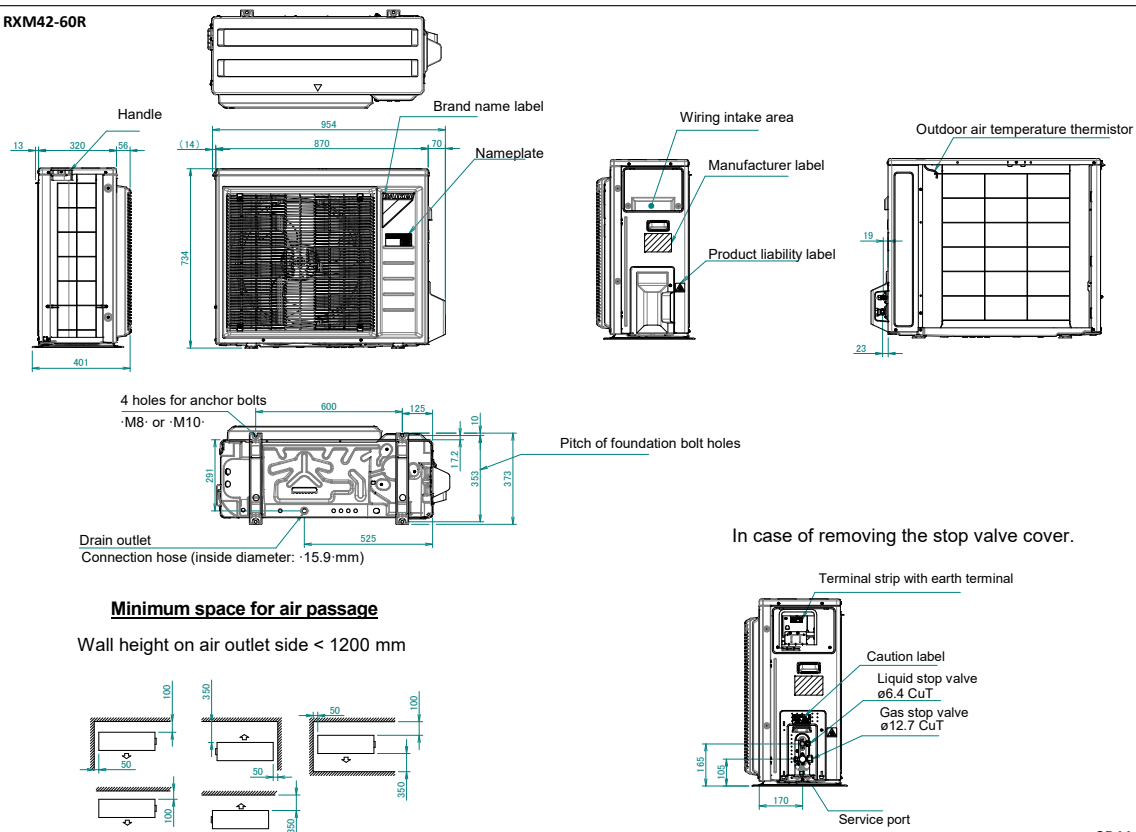
5 - 1 Dimensional Drawings

RXM20-35R



3D119881A

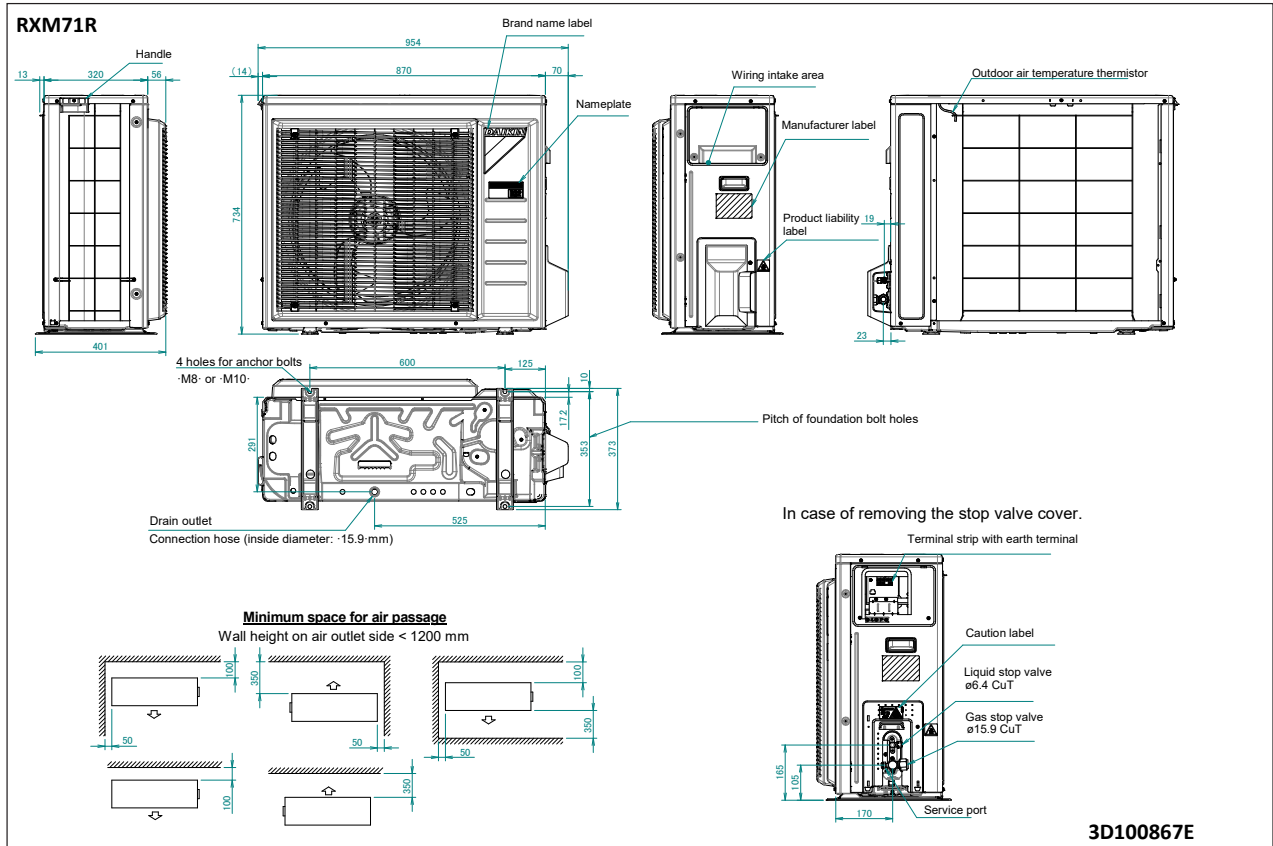
RXM42-60R



3D114108B

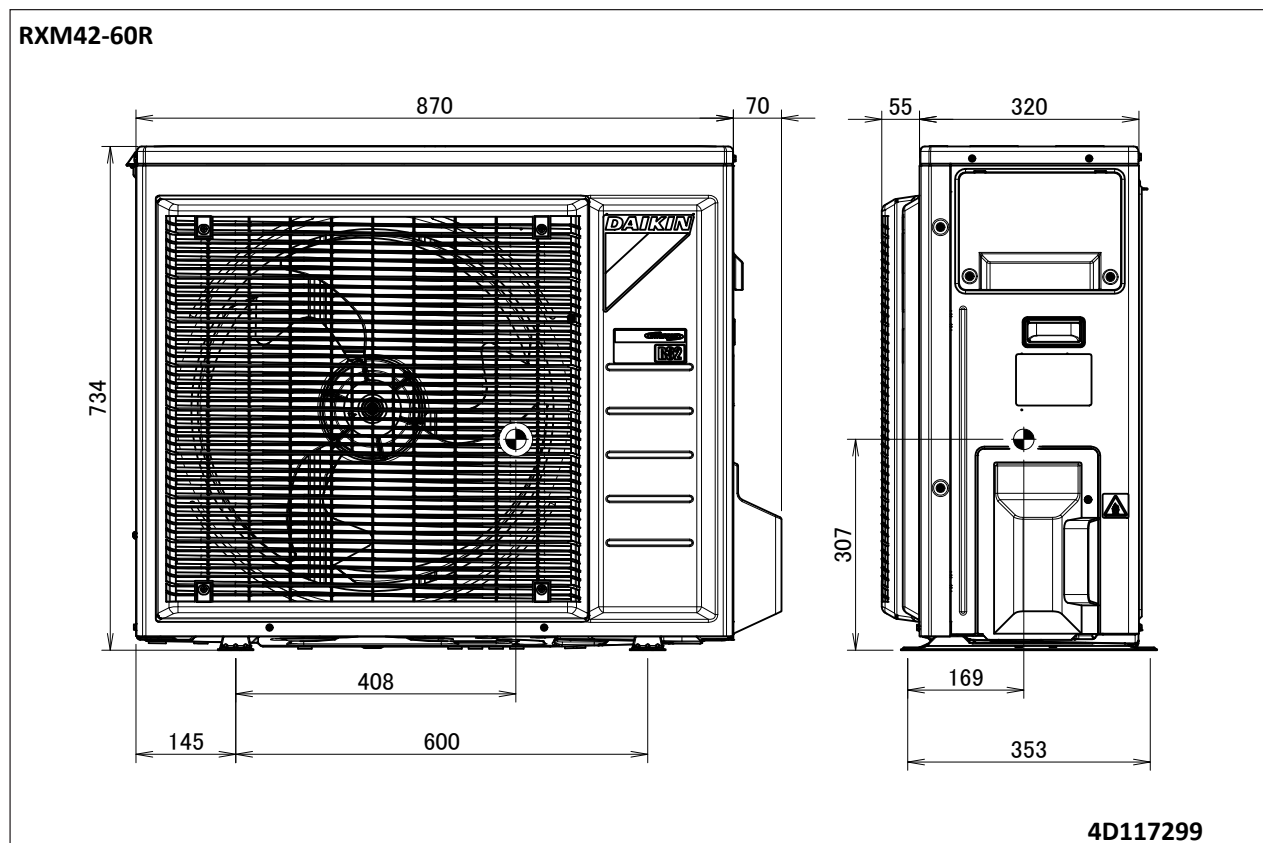
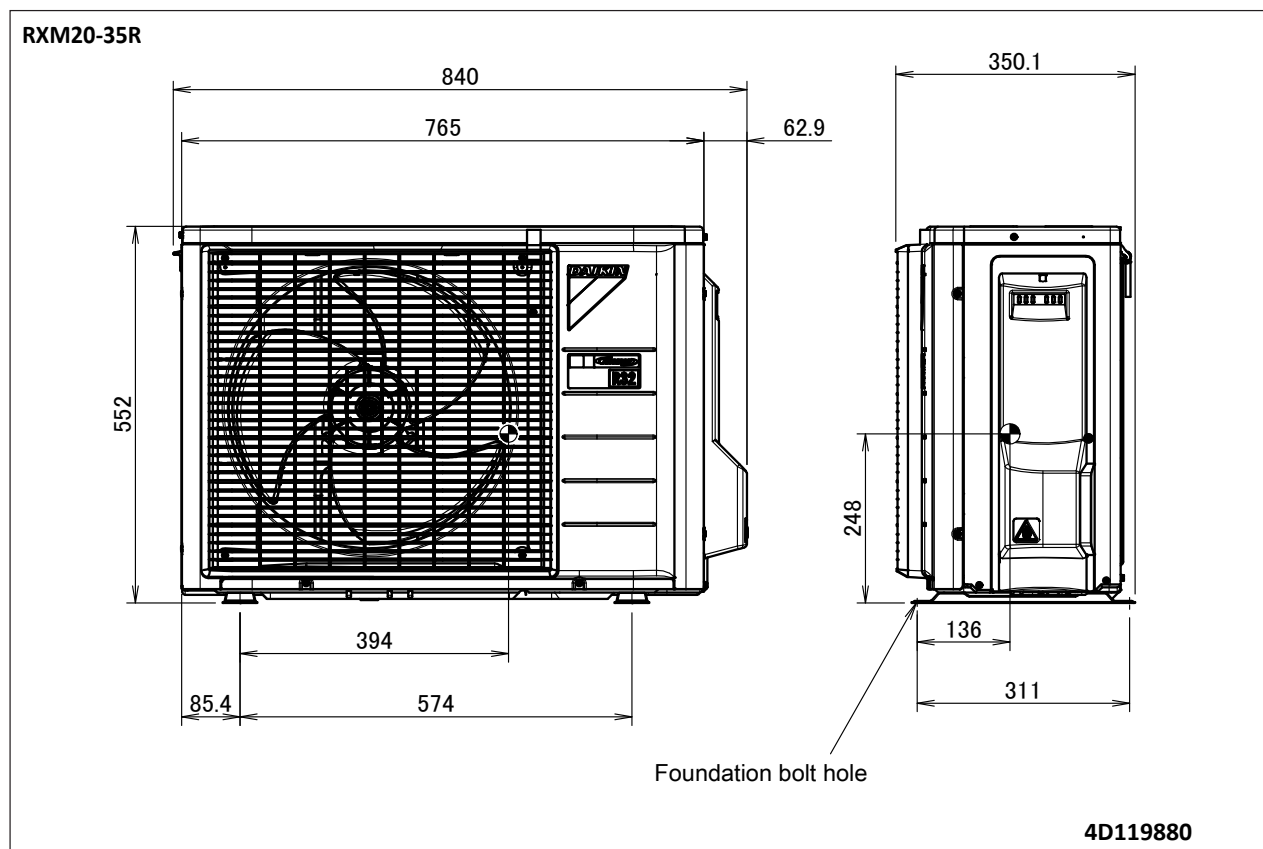
5 Dimensional drawings

5 - 1 Dimensional Drawings



6 Centre of gravity

6 - 1 Centre of Gravity

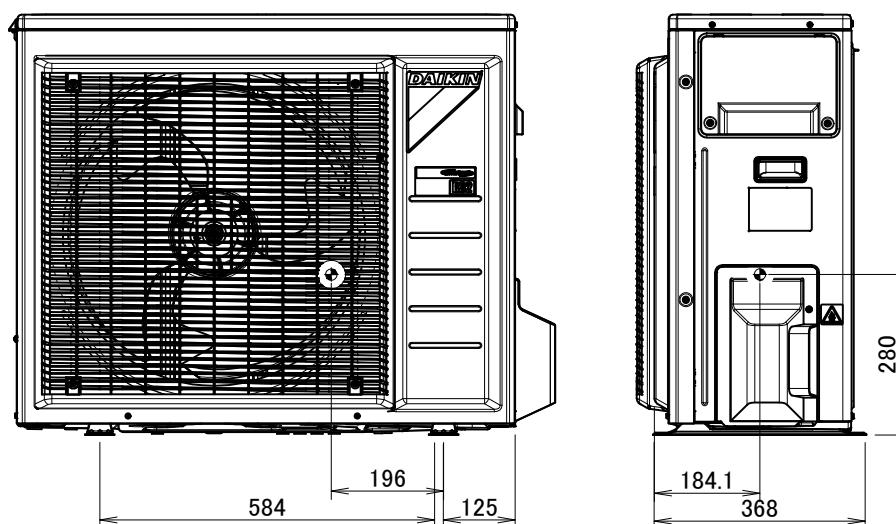


6 Centre of gravity

6 - 1 Centre of Gravity

RXM71R

6



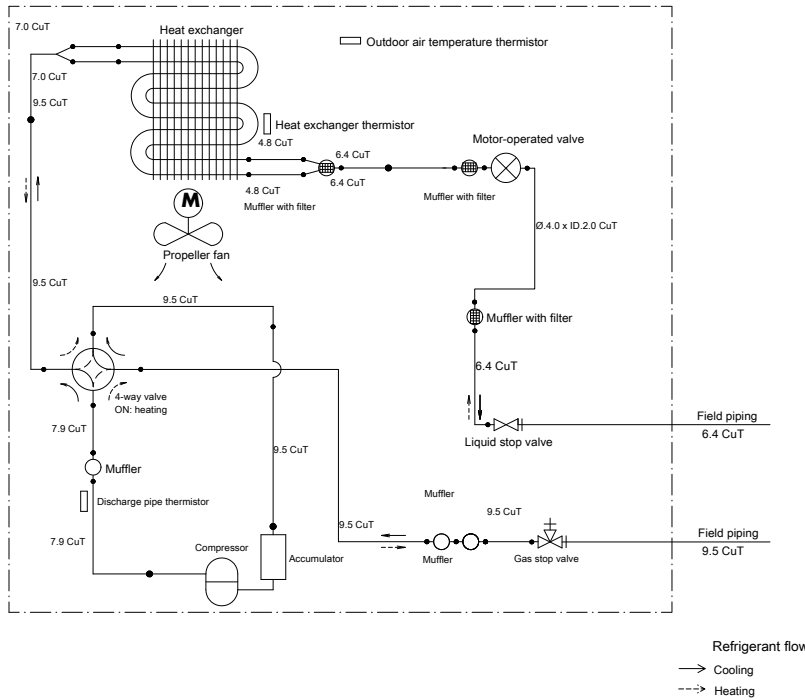
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7 Piping diagrams

7 - 1 Piping Diagrams

RXM20-35R

Outdoor unit

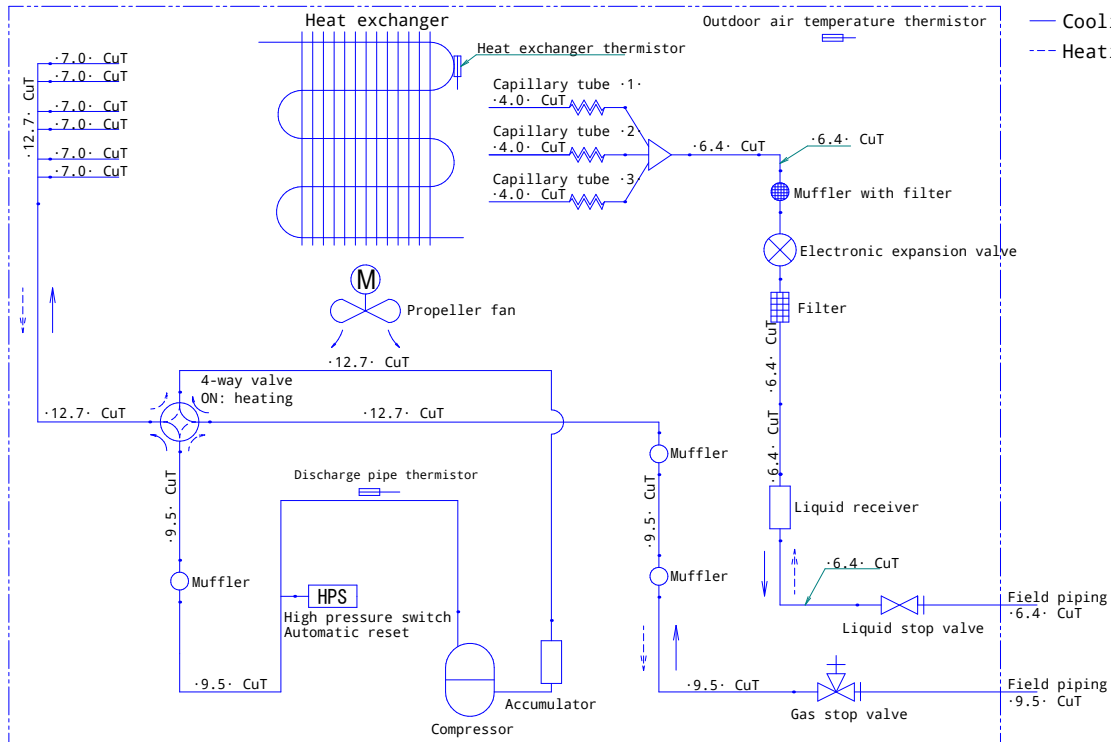


3D091995B

RXM42R

Outdoor unit

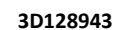
Refrigerant flow



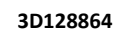
3D128942

7 - 1 Piping Diagrams

Outdoor unit



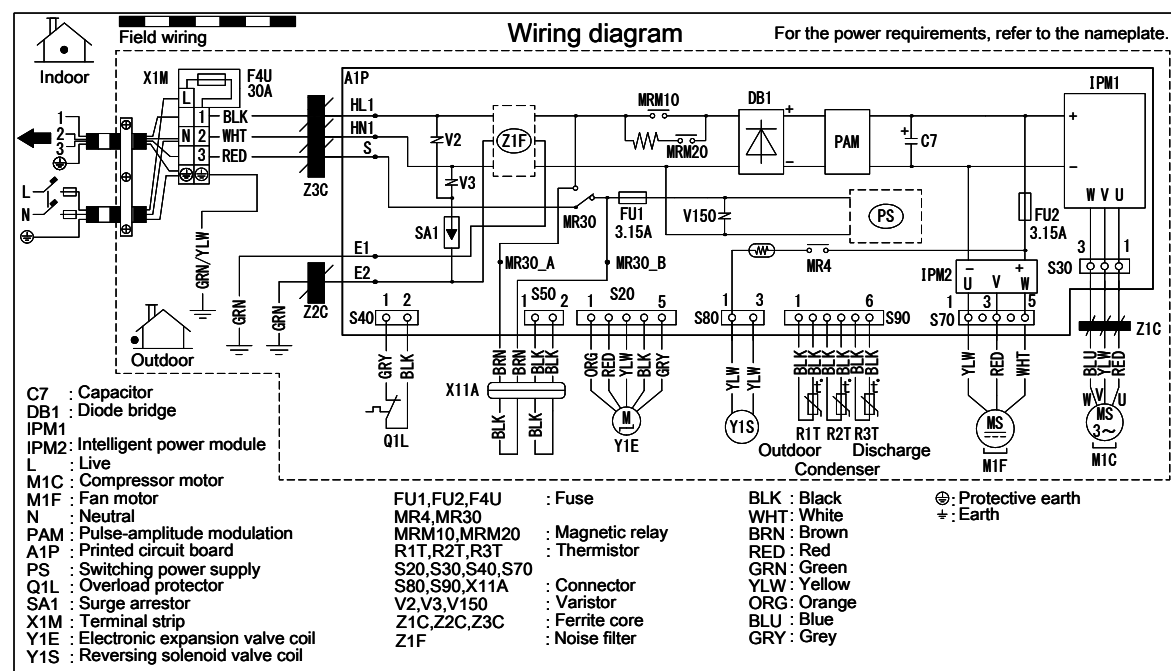
Outdoor unit



8 Wiring diagrams

8 - 1 Wiring Diagrams - Single Phase

RXM20-35R



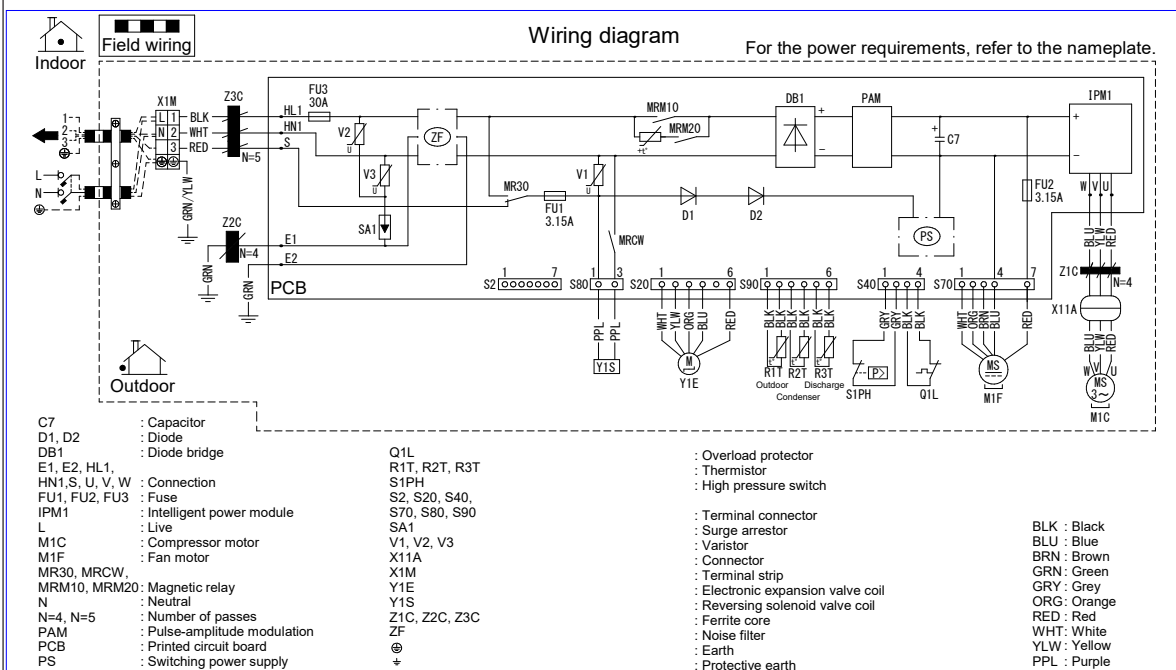
Notes

Size: 140 x 80

Refer to purchasing specification AS303002, unless otherwise specified.

4D120154

RXM42R

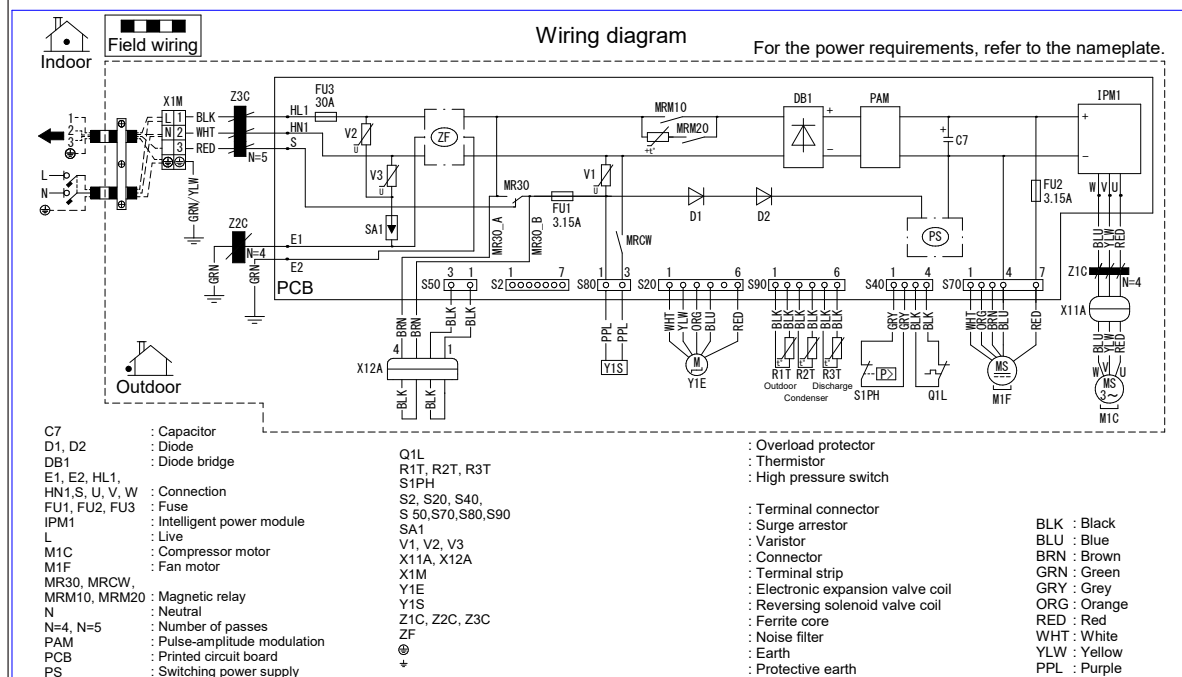


3D130905A

8 Wiring diagrams

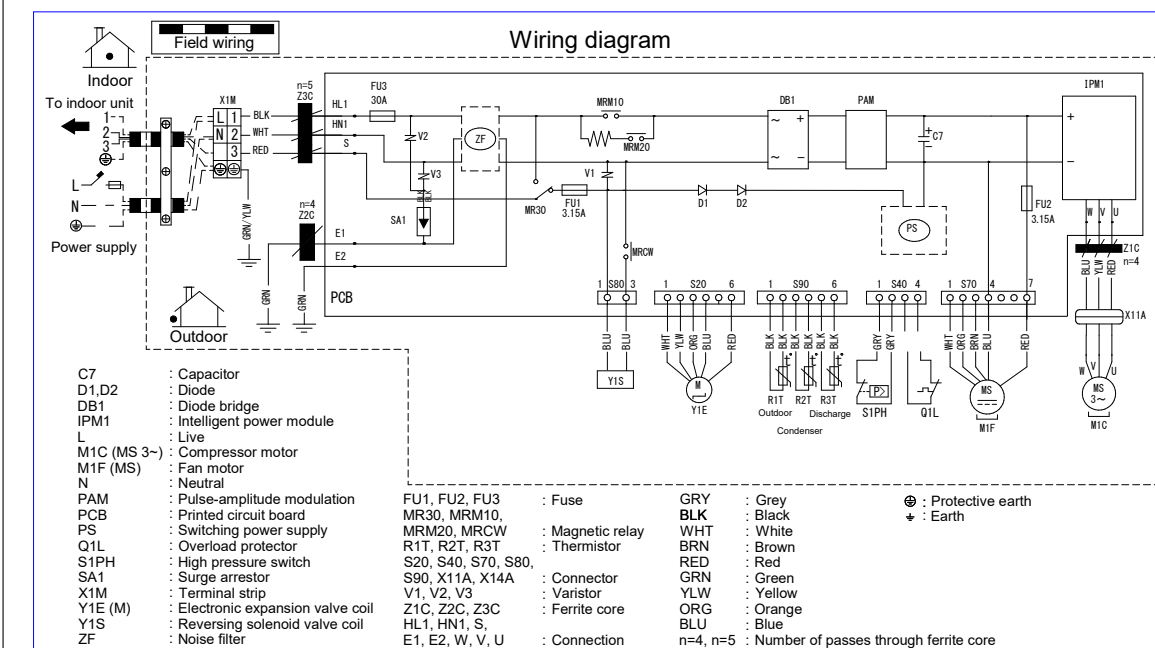
8 - 1 Wiring Diagrams - Single Phase

RXM50-60R



3D130906A

RXM71R

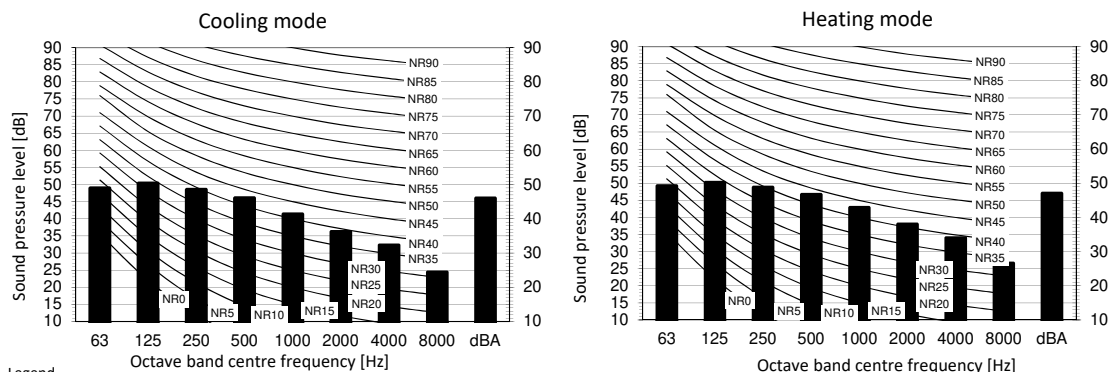


3D130907A

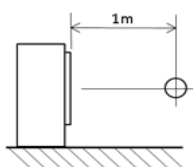
9 Sound data

9 - 1 Sound Pressure Spectrum

RXM20R



Location of microphone



Cooling Total dB

A	B
dBA	46

Heating Total dB

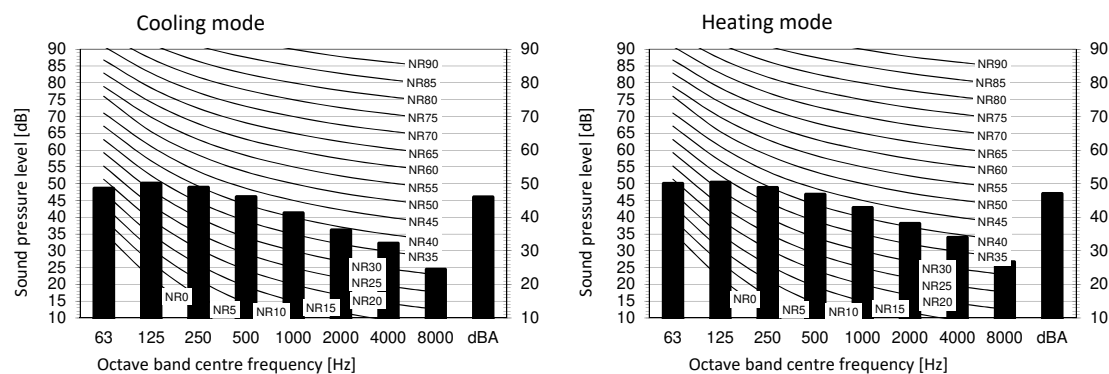
A	B
dBA	47

Notes

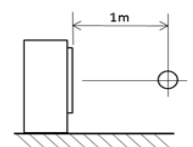
- 1 Background noise already taken into account.
- 2 Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
- 3 Operating noise varies depending on operation and ambient conditions.
- 4 The operation noise measuring method is in accordance with JISC9612.
- 5 Measuring location: anechoic chamber

3D110121A

RXM25R



Location of microphone



Cooling Total dB

A	B
dBA	46

Heating Total dB

A	B
dBA	47

Notes

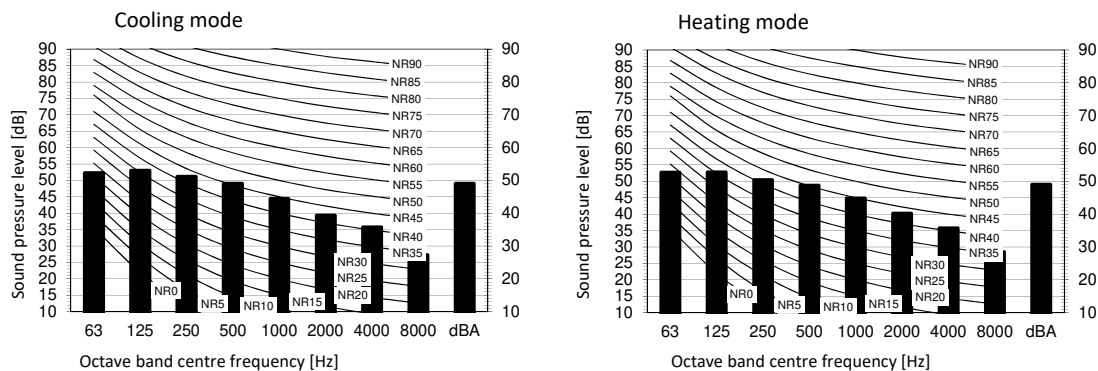
- 1 Background noise already taken into account.
- 2 Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
- 3 Operating noise varies depending on operation and ambient conditions.
- 4 The operation noise measuring method is in accordance with JISC9612.
- 5 Measuring location: anechoic chamber

3D110122A

9 Sound data

9 - 1 Sound Pressure Spectrum

RXM35R



Legend

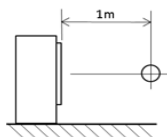
dBA = A-weighted sound pressure level (A scale according to IEC).

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
dBA	49

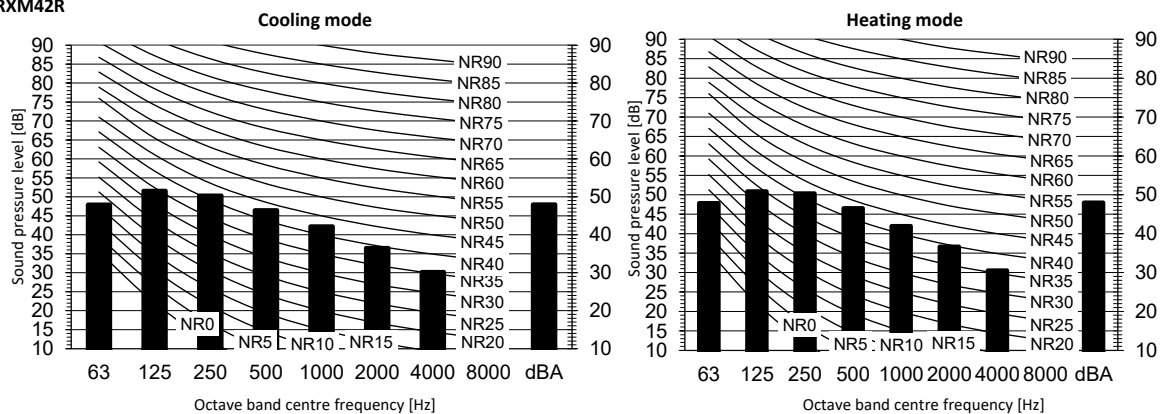
Heating

Total dB

A	B
dBA	49

3D110123A

RXM42R

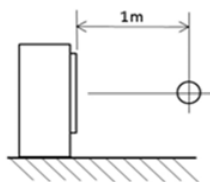


Legend

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

A Scale
B Fan speed: High

Location of microphone



Cooling

Total dB

A	B
dBA	48

Heating

Total dB

A	B
dBA	48

Notes

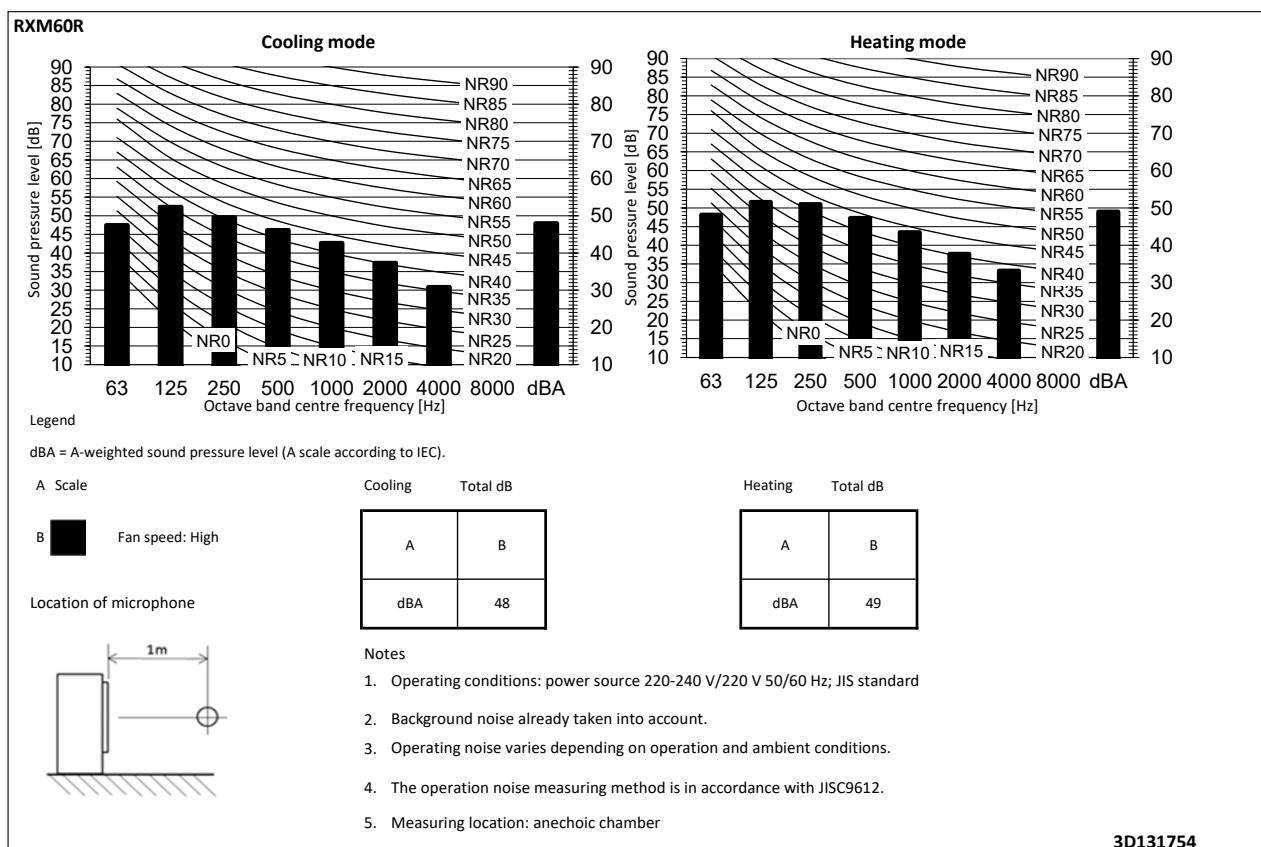
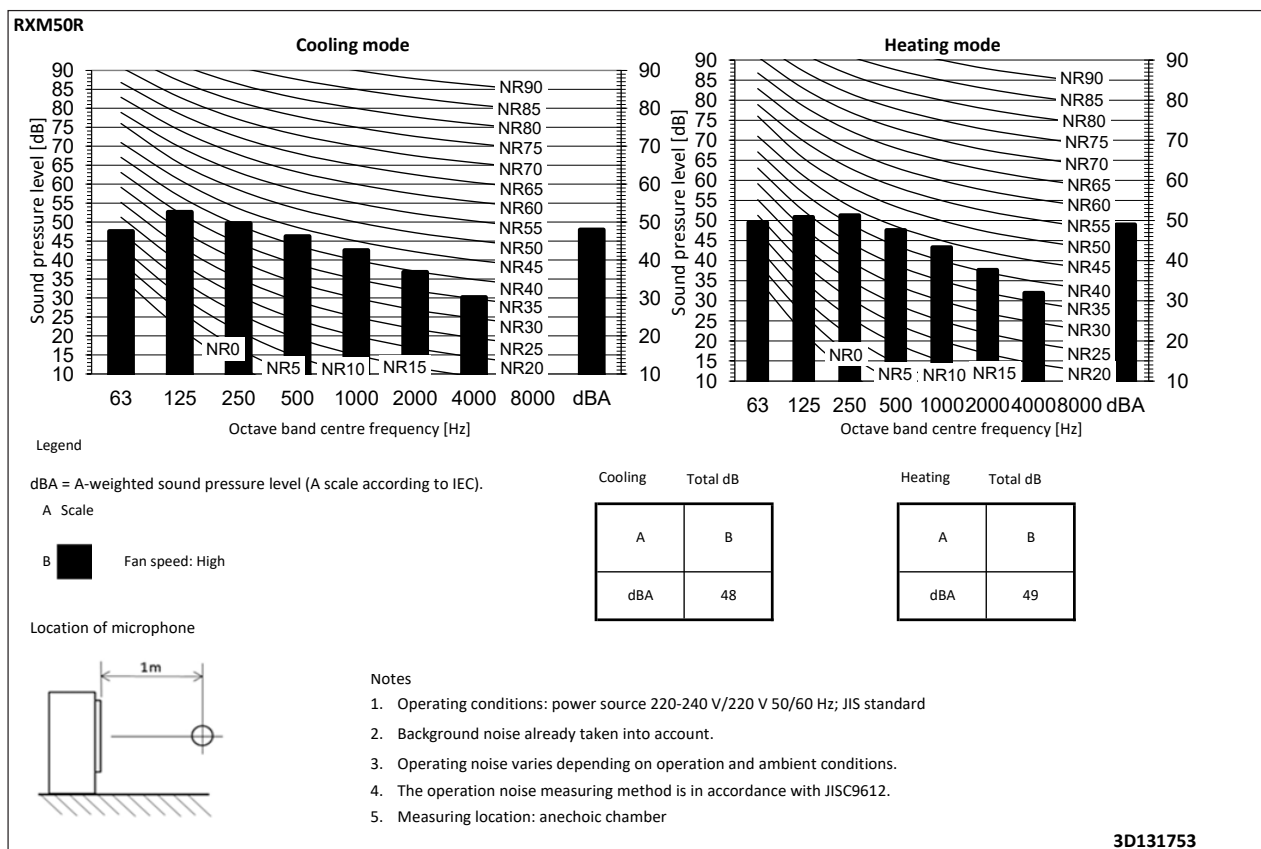
1. Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
2. Background noise already taken into account.
3. Operating noise varies depending on operation and ambient conditions.
4. The operation noise measuring method is in accordance with JISC9612.
5. Measuring location: anechoic chamber

3D131717

9 Sound data

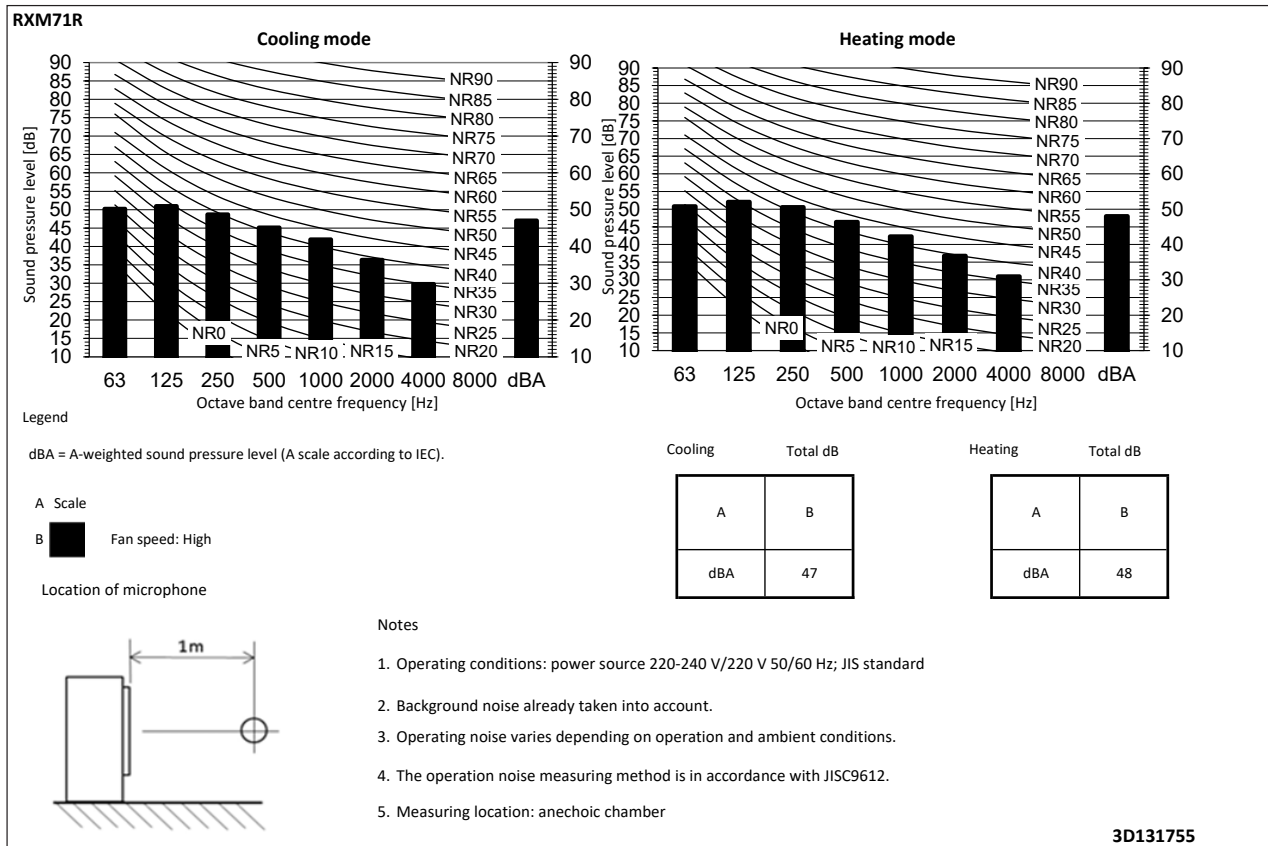
9 - 1 Sound Pressure Spectrum

9



9 Sound data

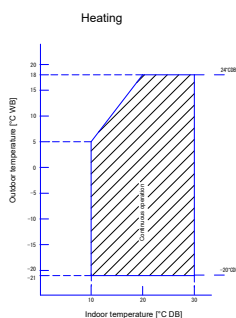
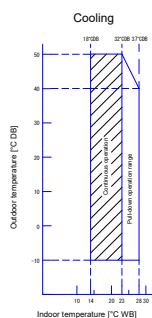
9 - 1 Sound Pressure Spectrum



10 Operation range

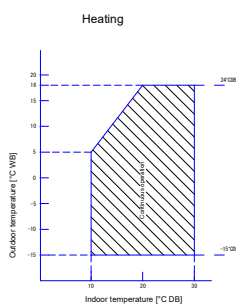
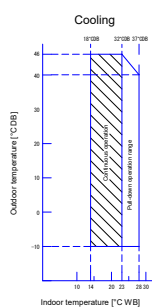
10 - 1 Operation Range

ARXM25-35R RXM20-60R



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, FVM*M2V1B, FVM*M2V1B, FVM*M2V1B, FVM*M2V1B, FVM*M2V1B, FVM*M2V1B, FVM*M2V1B, FVM*M2V1B.

3D119882E

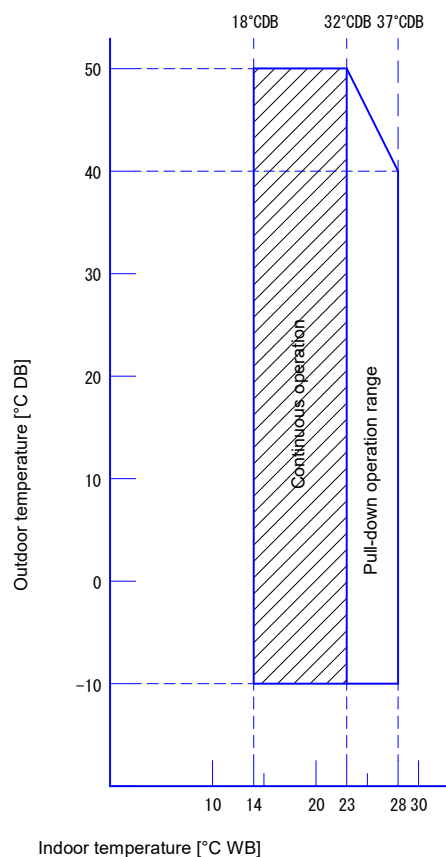
10 Operation range

10 - 1 Operation Range

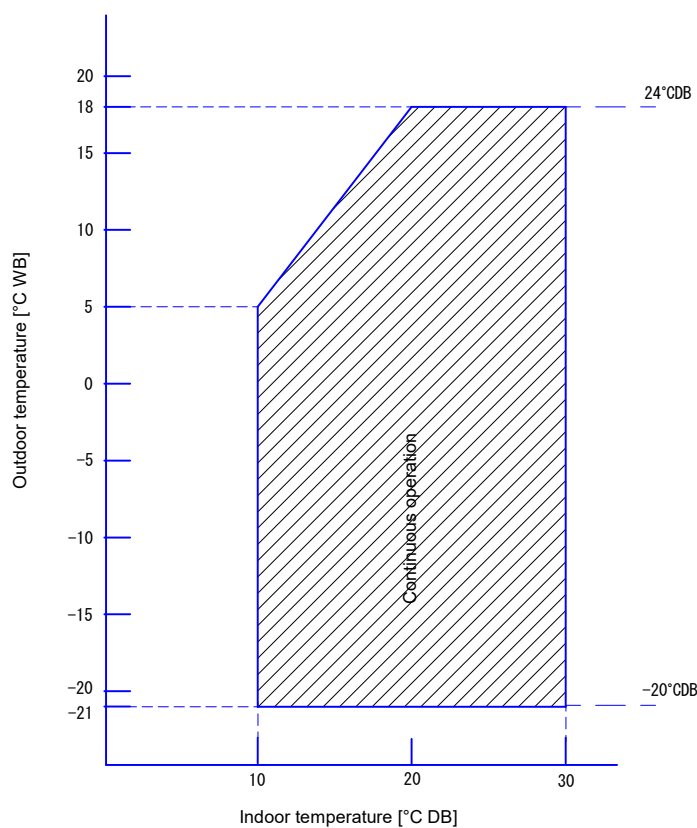
10

ARXM50R
RXM42-60R

Cooling



Heating



Notes

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

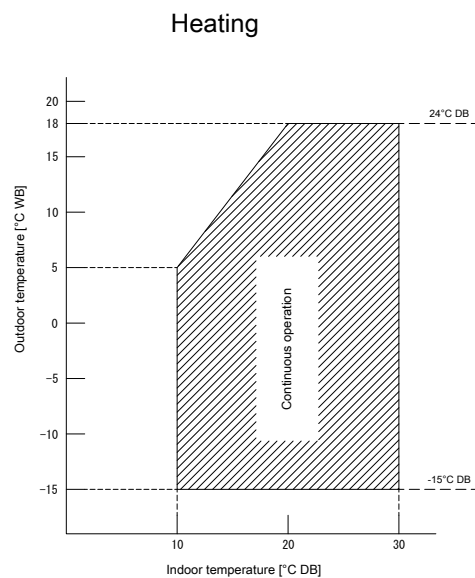
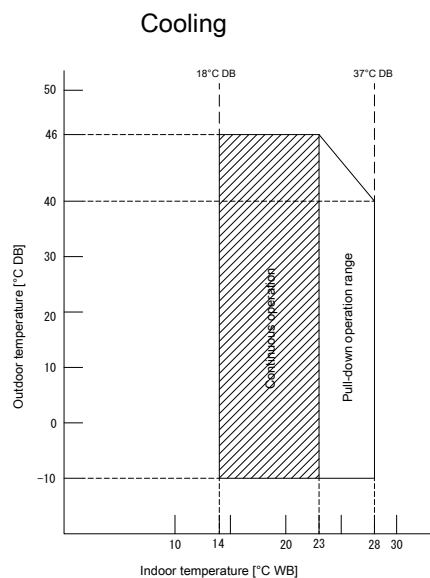
4D132631

10 Operation range

10 - 1 Operation Range

10

RXM71R

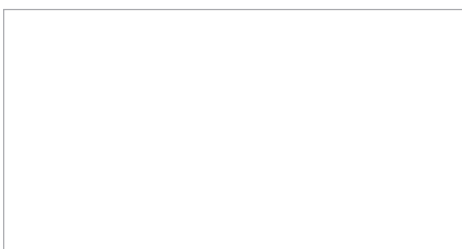


Notes

- 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 · BE 0412 120 336 · RPR Oostende (Responsible Editor)



EEDEN21A

06/2021



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