Air Conditioning Technical Data

RXM-R

EEDEN21

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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

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)			
Fan	Type				Propeller 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)	
	Heating	Ambient	Min.	°CDB	-20 (1) / -15 (2)		-20 (4) / -15 (5)	
			Max.	°CDB	24			
Sound pressure level	Cooling	Nom.		dBA	46	49	48.0	
	Heating	Nom.		dBA	47	49	49.0	
Refrigerant	Type				R-32			
	Charge			kg	0.76		1.15	
	Charge			TCO2Eq	0.52		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	
		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
	Fin	Type			Waffle fin (PE)						
Fan	Type				Propeller fan						
	Air flow rate	Cooling	Nom.	m^3/min	28.3	36.0	46.6	36.0	46.6		-
				cfm	999	1,271	1,645	1,271	1,645		1,730
			Medium	m^3/min	-						49.0
		Heating	Nom.	m^3/min	28.3		44.1	28.3	44.1		-
				cfm	999		1,557	999	1,557		1,632
			Medium	m^3/min	-						46.2
Fan motor	Model				DFC05A3VA		D55F-31	DFC05A3VA	D55F-31		D90B-37
	Output			W	50		55	50	55		128
	Speed	Cooling	High	rpm	860	920	760	920	760		880
			Nom.	rpm	800	860	740	800	740		780
			Low	rpm	400		640	400	640		700
		Heating	High	rpm	860		720	860	720		780
			Nom.	rpm	800		720	800	690	720	740
			Low	rpm	400		660	400	500	660	680
Compressor	Model				1YC25GXD#C		2YC40JXD#C	1YC25GXD#C	2YC40JXD#C		2YC71DXD#C
	Oil Amount			cm^3	-		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 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 gases labels; Quantity: 1;

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

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

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

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

2 Specifications

1 - 1 RXM-R

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
Indoor unit				-		FDXM50F3V1B9	FDXM60F3V1B9
Outdoor unit				-		RXM50R5V1B	RXM60R5V1B
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 Directive	Cooling		A	C	B	C
		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	3.56	3.94
Space heating (Average climate)	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	0.44	0.66
Space heating (Warm climate)	Energy efficiency class			A+++	A++	A+	
	Capacity	Pdesignh	kW	1.40	1.57	2.13	2.48
	SCOP			5.38	4.88	4.40	4.47
	SCOPnet			5.46	4.95	4.45	4.51
	Annual energy consumption		kWh/a	365	450	679	777
	Required back up heating cap at design conditions		kW	0.00			
Space cooling	A Condition (35°C - 27/19)	Pdc	kW	2.40	3.40	5.00	6.00
		EERd		3.77	2.98	3.06	2.93
		Power input	kW	0.64	1.14	1.63	2.05
	B Condition (30°C - 27/19)	Pdc	kW	1.76	2.50	3.67	4.43
		EERd		5.38	4.08	4.96	4.64
		Power input	kW	0.33	0.61	0.74	0.95
	C Condition (25°C - 27/19)	Pdc	kW	1.27	1.61	2.37	2.85
		EERd		8.92	8.05	8.21	6.96
		Power input	kW	0.14	0.20	0.29	0.41
	D Condition (20°C - 27/19)	Pdc	kW	1.31	1.46	2.26	
		EERd		10.90	9.65	9.47	10.44
		Power input	kW	0.12	0.15	0.24	0.22

2 Specifications

1 - 1 RXM-R

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	3.59	3.72
		COPd (declared COP)			2.20	2.01	1.89	1.91
		Power input		kW	0.88	1.07	1.90	1.95
	TBivalent	Tbiv (bivalent temperature)		°C	-7			
		Pdh (declared heating cap)		kW	2.30	2.57	3.54	4.07
		COPd (declared COP)			2.81	2.60	2.87	2.58
		Power input		kW	0.82	0.99	1.23	1.58
	A Condition (-7°C)	Pdh (declared heating cap)		kW	2.30	2.57	3.54	4.07
		COPd (declared COP)			2.81	2.60	2.87	2.58
		Power input		kW	0.82	0.99	1.23	1.58
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.40	1.57	2.13	2.48
		COPd (declared COP)			4.21	3.84	4.10	3.92
		Power input		kW	0.33	0.41	0.52	0.63
	C Condition (7°C)	Pdh (declared heating cap)		kW	1.00	1.02	1.62	
		COPd (declared COP)			5.54	4.94	4.56	4.52
		Power input		kW	0.18	0.21	0.36	
Space heating (Average climate)	D Condition (12°C)	Pdh (declared heating cap)		kW	1.17	1.19	1.92	
		COPd (declared COP)			6.84	6.08	5.49	5.46
		Power input		kW	0.17	0.20	0.35	
Power consumption in other than active mode	Crankcase heater mode	Cooling	PCK	kW	-	0.000		
		Heating	PCK	kW	-	0.000		
	Off mode	Cooling	POFF	kW	14.0	0.014	0.015	
		Heating	POFF	kW	14.0	0.014	0.015	
	Standby mode	Cooling	PSB	kW	14.0	0.014	0.015	
		Heating	PSB	kW	14.0	0.014	0.015	
	Thermostat-off mode	Cooling	PTO	kW	7.0	0.007	0.009	
		Heating	PTO	kW	7.0	0.007	0.009	
Space heating (Warm climate)	TOL	Tol (temperature operating limit)		°C	-15			
		Pdh (declared heating cap)		kW	1.93	2.15	3.59	3.72
		COPd (declared COP)			2.20	2.01	1.89	1.91
		Power input		kW	0.88	1.07	1.90	1.95
	TBivalent	Tbiv (bivalent temperature)		°C	2			
		Pdh (declared heating cap)		kW	1.40	1.57	2.13	2.48
		COPd (declared COP)			4.21	3.84	4.10	3.92
		Power input		kW	0.33	0.41	0.52	0.63
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.40	1.57	2.13	2.48
		COPd (declared COP)			4.21	3.84	4.10	3.92
		Power input		kW	0.33	0.41	0.52	0.63
	C Condition (7°C)	Pdh (declared heating cap)		kW	1.00	1.02	1.62	
		COPd (declared COP)			5.54	4.94	4.56	4.52
		Power input		kW	0.18	0.21	0.36	
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.17	1.19	1.92	
		COPd (declared COP)			6.84	6.08	5.49	5.46
		Power input		kW	0.17	0.20	0.35	
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	61	62	63
Eurovent	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
Indoor unit	-		FFA50A2VEB9	FFA60A2VEB9
Outdoor unit	-		RXM50R5V1B	RXM60R5V1B

2 Specifications

1 - 1 RXM-R

Technical specifications				FFA25A9 + RXM25R	FFA35A9 + RXM35R	FFA50A9 + RXM50R	FFA60A9 + RXM60R
Cooling capacity	Nom.		kW	2.50	3.40	5.00	5.70
	Nom.		Btu/h	8,530	11,600	17,100	19,400
	Nom.		kcal/h	2,150	2,923	4,299	4,901
Heating capacity	Nom.		kW	3.20	4.20	5.80	7.00
	Nom.		Btu/h	10,919	14,300	19,800	23,900
	Nom.		kcal/h	2,752	3,611	4,987	6,019
Power input	Cooling	Nom.	kW	0.55	0.89	1.54	1.87
	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	934
	Energy labeling Directive	Cooling		A			B
		Heating		A		B	
Space cooling	Energy efficiency class			A++		A+	
	Capacity	Pdesign	kW	2.50	3.40	5.00	5.70
	SEER			6.17	6.38	5.98	5.76
	Annual energy consumption		kWh/a	142	186	292	347
Space heating (Average climate)	Energy efficiency class			A+		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	3.50	3.66
	Annual energy consumption		kWh/a	762	1,058	1,377	1,372
	Required back up heating cap at design conditions		kW	0.28	1.06	0.34	0.30
Space heating (Warm climate)	Energy efficiency class			A+++		A++	
	Capacity	Pdesignh	kW	1.24		2.09	2.14
	SCOP			5.29	5.10	4.78	4.74
	SCOPnet			5.37	5.18	4.83	4.79
	Annual energy consumption		kWh/a	329	341	612	632
	Required back up heating cap at design conditions		kW	0.00			
Space cooling	A Condition (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	1.87
	B Condition (30°C - 27/19)	Pdc	kW	1.84	2.51	3.69	4.20
Space cooling	B Condition (30°C - 27/19)	EERd		6.60	5.79	5.38	5.34
		Power input	kW	0.28	0.43	0.69	0.79
	C Condition (25°C - 27/19)	Pdc	kW	1.41	1.45	2.37	2.70
		EERd		9.11	9.13	7.85	7.24
		Power input	kW	0.16		0.30	0.37
	D Condition (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
Space heating (Average climate)	TOL	Tol (temperature operating limit)	°C	-15			
		Pdh (declared heating cap)	kW	2.03		3.68	3.93
		COPd (declared COP)		2.23	2.10	1.99	2.05
		Power input	kW	0.91	0.97	1.85	1.92
	TBivalent	Tbiv (bivalent temperature)	°C	-7			
		Pdh (declared heating cap)	kW	2.04		3.40	3.50
		COPd (declared COP)		3.00	2.89	2.62	2.84
		Power input	kW	0.68	0.71	1.30	1.23
	A Condition (-7°C)	Pdh (declared heating cap)	kW	2.04		3.40	3.50
		COPd (declared COP)		3.00	2.89	2.62	2.84
		Power input	kW	0.68	0.71	1.30	1.23
	B Condition (2°C)	Pdh (declared heating cap)	kW	1.24		2.09	2.14
		COPd (declared COP)		4.16	4.00	3.97	4.12
		Power input	kW	0.30	0.31	0.53	0.52
	C Condition (7°C)	Pdh (declared heating cap)	kW	1.03		1.47	1.49
		COPd (declared COP)		5.57	5.37	4.81	4.74
		Power input	kW	0.19		0.31	
	D Condition (12°C)	Pdh (declared heating cap)	kW	1.21		1.71	1.74
		COPd (declared COP)		6.90	6.65	5.94	5.88
		Power input	kW	0.18		0.29	0.30

2 Specifications

1 - 1 RXM-R

Technical specifications					FFA25A9 + RXM25R	FFA35A9 + RXM35R	FFA50A9 + RXM50R	FFA60A9 + RXM60R
Power consumption in other than active mode	Crankcase heater mode	Cooling	PCK	kW	-	0.000		
		Heating	PCK	kW	-	0.000		
	Off mode	Cooling	POFF	kW	14.0	0.014	0.015	
		Heating	POFF	kW	14.0	0.014	0.015	
	Standby mode	Cooling	PSB	kW	14.0	0.014	0.015	
		Heating	PSB	kW	14.0	0.014	0.015	
	Thermostat-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			
Space heating (Warm climate)	TOL	Pdh (declared heating cap)		kW	2.03		3.68	3.93
		COPd (declared COP)			2.23	2.10	1.99	2.05
		Power input		kW	0.91	0.97	1.85	1.92
	TBivalent	Tbiv (bivalent temperature)		°C	2			
		Pdh (declared heating cap)		kW	1.24		2.09	2.14
		COPd (declared COP)			4.16	4.00	3.97	4.12
		Power input		kW	0.30	0.31	0.53	0.52
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.24		2.09	2.14
		COPd (declared COP)			4.16	4.00	3.97	4.12
		Power input		kW	0.30	0.31	0.53	0.52
	C Condition (7°C)	Pdh (declared heating cap)		kW	1.03		1.47	1.49
		COPd (declared COP)			5.57	5.37	4.81	4.74
		Power input		kW	0.19		0.31	
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.21		1.71	1.74
		COPd (declared COP)			6.90	6.65	5.94	5.88
		Power input		kW	0.18		0.29	0.30
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	61	62	63
	Sound power level indoor	Cooling	Nom.	dBA	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
Indoor unit				-		FNA50A2VEB9	FNA60A2VEB9
Outdoor unit				-		RXM50R5V1B	RXM60R5V1B
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 Directive	Cooling		A	B	A	D
		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

2 Specifications

1 - 1 RXM-R

Technical specifications					FNA25A9 + RXM25R	FNA35A9 + RXM35R	FNA50A9 + RXM50R	FNA60A9 + RXM60R
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	3.56	3.94
	Annual energy consumption			kWh/a	924	1,002	1,369	1,547
	Required back up heating cap at design conditions			kW	0.64	0.49	0.44	0.66
Space heating (Warm climate)	Energy efficiency class				A+++		A++	
	Capacity	Pdesignh		kW	1.51	1.57	2.15	2.48
	SCOP				5.43	5.10	4.87	5.02
	SCOPnet				5.50	5.17	4.93	5.08
	Annual energy consumption			kWh/a	389	431	618	691
	Required back up heating cap at design conditions			kW	0.00			
Space cooling	A Condition (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 Condition (30°C - 27/19)	Pdc		kW	1.92	2.50	3.68	4.42
Space cooling	B Condition (30°C - 27/19)	EERd			5.17	4.41	5.02	4.64
		Power input		kW	0.37	0.57	0.73	0.95
	C Condition (25°C - 27/19)	Pdc		kW	1.27	1.61	2.37	2.84
		EERd			8.97	9.38	7.23	7.20
		Power input		kW	0.14	0.17	0.33	0.39
	D Condition (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
Space heating (Average climate)	TOL	Tol (temperature operating limit)		°C	-15			
		Pdh (declared heating cap)		kW	1.93	2.15	3.59	3.72
		COPd (declared COP)			2.20	2.21	1.88	1.78
		Power input		kW	0.88	0.97	1.91	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 Condition (-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 Condition (2°C)	Pdh (declared heating cap)		kW	1.51	1.57	2.15	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 Condition (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 Condition (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 consumption in other than active mode	Crankcase heater mode	Cooling	PCK	kW	-	0.000		
		Heating	PCK	kW	-	0.000		
	Off mode	Cooling	POFF	kW	14.0	0.014	0.015	
		Heating	POFF	kW	14.0	0.014	0.015	
	Standby mode	Cooling	PSB	kW	14.0	0.014	0.015	
		Heating	PSB	kW	14.0	0.014	0.015	
	Thermostat-off mode	Cooling	PTO	kW	7.0	0.007	0.009	
		Heating	PTO	kW	7.0	0.007	0.009	
Space heating (Warm climate)	TOL	Tol (temperature operating limit)		°C	-15			

2 Specifications

1 - 1 RXM-R

Technical specifications					FNA25A9 + RXM25R	FNA35A9 + RXM35R	FNA50A9 + RXM50R	FNA60A9 + RXM60R
Space heating (Warm climate)	TOL	Pdh (declared heating cap)		kW	1.93	2.15	3.59	3.72
		COPd (declared COP)			2.20	2.21	1.88	1.78
		Power input		kW	0.88	0.97	1.91	2.09
	TBivalent	Tbiv (bivalent temperature)		°C	2			
		Pdh (declared heating cap)		kW	1.51	1.57	2.15	2.48
		COPd (declared COP)			4.18	4.01	4.13	4.22
		Power input		kW	0.36	0.39	0.52	0.59
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.51	1.57	2.15	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 Condition (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 Condition (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	
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	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
Indoor unit				-	FCAG50BVEB	FCAG60BVEB
Outdoor unit				-	RXM50R5V1B	RXM60R5V1B
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	4,901
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	861
	Energy labeling Directive	Cooling		A		
		Heating		A		C
Space cooling	Energy efficiency class			A++		
	Capacity	Pdesign	kW	3.50	5.00	5.70
	SEER			6.35	6.54	6.40
	Annual energy consumption		kWh/a	193	266	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	3.87	4.12
	Annual energy consumption		kWh/a	948	1,419	1,569
	Required back up heating cap at design conditions		kW	0.72	0.49	0.59
Space heating (Warm climate)	Energy efficiency class			A+++		
	Capacity	Pdesignh	kW	1.79	2.34	2.53
	SCOP			6.27	5.26	5.36
	SCOPnet			6.36	5.31	5.41
	Annual energy consumption		kWh/a	400	623	661
	Required back up heating cap at design conditions		kW	0.00		

2 Specifications

1 - 1 RXM-R

Technical specifications					FCAG35B + RXM35R	FCAG50B + RXM50R	FCAG60B + RXM60R
Space cooling	A Condition (35°C - 27/19)	Pdc		kW	3.50	5.00	5.68
		EERd			3.72	3.58	3.31
		Power input		kW	0.94	1.40	1.72
	B Condition (30°C - 27/19)	Pdc		kW	2.60	3.67	4.16
Space cooling	B Condition (30°C - 27/19)	EERd			5.33	5.17	4.67
		Power input		kW	0.49	0.71	0.89
	C Condition (25°C - 27/19)	Pdc		kW	1.68	2.37	2.70
		EERd			9.52	8.52	7.87
		Power input		kW	0.18	0.28	0.34
	D Condition (20°C - 27/19)	Pdc		kW	1.49	1.87	1.62
		EERd			12.25	10.69	12.03
		Power input		kW	0.12	0.17	0.13
Space heating (Average climate)	TOL	Tol (temperature operating limit)		°C		-15	
		Pdh (declared heating cap)		kW	2.04	3.89	4.04
		COPd (declared COP)			2.50	2.04	2.08
		Power input		kW	0.82	1.91	1.94
	TBivalent	Tbiv (bivalent temperature)		°C		-7	
		Pdh (declared heating cap)		kW	2.94	3.86	4.17
		COPd (declared COP)			3.10	2.81	2.56
		Power input		kW	0.95	1.37	1.63
	A Condition (-7°C)	Pdh (declared heating cap)		kW	2.94	3.86	4.17
		COPd (declared COP)			3.10	2.81	2.56
		Power input		kW	0.95	1.37	1.63
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.79	2.34	2.53
		COPd (declared COP)			4.98	4.38	4.30
		Power input		kW	0.36	0.53	0.59
	C Condition (7°C)	Pdh (declared heating cap)		kW	1.15	1.54	1.64
		COPd (declared COP)			6.20	5.31	5.28
		Power input		kW	0.19	0.29	0.31
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.24	1.79	1.46
		COPd (declared COP)			7.88	6.47	6.51
		Power input		kW	0.16	0.28	0.22
Power consumption in other than active mode	Crankcase heater mode	Cooling	PCK	kW		0.000	
		Heating	PCK	kW		0.000	
	Off mode	Cooling	POFF	kW	0.014	0.007	
		Heating	POFF	kW	0.014	0.007	
	Standby mode	Cooling	PSB	kW	0.014	0.007	
		Heating	PSB	kW	0.014	0.007	
	Thermostat-off mode	Cooling	PTO	kW		0.007	
		Heating	PTO	kW		0.007	
Space heating (Warm climate)	TOL	Tol (temperature operating limit)		°C		-15	
Space heating (Warm climate)	TOL	Pdh (declared heating cap)		kW	2.04	3.89	4.04
		COPd (declared COP)			2.50	2.04	2.08
		Power input		kW	0.82	1.91	1.94
	TBivalent	Tbiv (bivalent temperature)		°C		2	
		Pdh (declared heating cap)		kW	1.79	2.34	2.53
		COPd (declared COP)			4.98	4.38	4.30
		Power input		kW	0.36	0.53	0.59
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.79	2.34	2.53
		COPd (declared COP)			4.98	4.38	4.30
		Power input		kW	0.36	0.53	0.59
	C Condition (7°C)	Pdh (declared heating cap)		kW	1.15	1.54	1.64
		COPd (declared COP)			6.20	5.31	5.28
		Power input		kW	0.19	0.29	0.31
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.24	1.79	1.46
		COPd (declared COP)			7.88	6.47	6.51
		Power input		kW	0.16	0.28	0.22
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

Technical specifications					FCAG35B + RXM35R	FCAG50B + RXM50R	FCAG60B + RXM60R
Eurovent	Sound power level outdoor	Cooling	Nom.	dBA	61	62	63
	Sound power level indoor	Cooling	Nom.	dBA	49		51
	Piping length	Cooling	Measuring condition	m	5.00		

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

Technical specifications				FBA35A9 + RXM35R	FBA50A9 + RXM50R	FBA60A9 + RXM60R
Indoor unit				-	FBA50A2VEB9	FBA60A2VEB9
Outdoor unit				-	RXM50R5V1B	RXM60R5V1B
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	4,901
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 Directive	Cooling		A		
		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	337
Space heating (Average climate)	Energy efficiency class			A+		
	Capacity	Pdesign	kW	2.90	4.40	4.60
	SCOP/A			4.07	4.06	4.01
	SCOPnet/A			4.11	4.08	4.03
	Pdh Heating capacity at -10°		kW	2.41	3.73	3.99
	Annual energy consumption		kWh/a	996	1,517	1,607
	Required back up heating cap at design conditions		kW	0.49	0.67	0.61
Space heating (Warm climate)	Energy efficiency class			A+++	A+	
	Capacity	Pdesignh	kW	1.57	2.37	2.44
	SCOP			5.12	4.47	4.43
	SCOPnet			5.19	4.49	4.44
	Annual energy consumption		kWh/a	429	741	770
	Required back up heating cap at design conditions		kW	0.00		
Space cooling	A Condition (35°C - 27/19)	Pdc	kW	3.40	5.00	5.70
		EERd		4.02	3.55	3.48
		Power input	kW	0.85	1.41	1.64
	B Condition (30°C - 27/19)	Pdc	kW	2.51	3.64	4.20
Space cooling	B Condition (30°C - 27/19)	EERd		5.54	5.26	5.05
		Power input	kW	0.45	0.69	0.83
	C Condition (25°C - 27/19)	Pdc	kW	1.73	2.36	2.70
		EERd		8.13	8.41	7.97
		Power input	kW	0.21	0.28	0.34
	D Condition (20°C - 27/19)	Pdc	kW	1.61	1.98	2.13
		EERd		9.06	10.52	8.54
		Power input	kW	0.18	0.19	0.25

2 Specifications

1 - 1 RXM-R

Technical specifications					FBA35A9 + RXM35R	FBA50A9 + RXM50R	FBA60A9 + RXM60R
Space heating (Average climate)	TOL	Tol (temperature operating limit)		°C		-15	
		Pdh (declared heating cap)		kW	2.15	3.47	3.85
		COPd (declared COP)			2.37	1.95	2.11
		Power input		kW	0.91	1.78	1.82
	TBivalent	Tbiv (bivalent temperature)		°C		-7	
		Pdh (declared heating cap)		kW	2.57	3.89	4.09
		COPd (declared COP)			2.73	3.09	3.01
		Power input		kW	0.94	1.26	1.36
	A Condition (-7°C)	Pdh (declared heating cap)		kW	2.57	3.89	4.09
		COPd (declared COP)			2.73	3.09	3.01
		Power input		kW	0.94	1.26	1.36
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.57	2.37	2.44
		COPd (declared COP)			4.03	4.20	4.18
		Power input		kW	0.39	0.56	0.58
	C Condition (7°C)	Pdh (declared heating cap)		kW	1.02	1.61	1.60
		COPd (declared COP)			5.18	4.55	4.41
		Power input		kW	0.20	0.35	0.36
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.19	1.58	1.79
		COPd (declared COP)			6.38	5.23	5.32
		Power input		kW	0.19	0.30	0.34
Power consumption in other than active mode	Crankcase heater mode	Cooling	PCK	kW		0.000	
		Heating	PCK	kW		0.000	
	Off mode	Cooling	POFF	kW	0.007	0.013	
		Heating	POFF	kW	0.007	0.013	
	Standby mode	Cooling	PSB	kW	0.007	0.013	
		Heating	PSB	kW	0.007	0.013	
	Thermostat-off mode	Cooling	PTO	kW	0.007	0.002	
		Heating	PTO	kW	0.007	0.002	
Space heating (Warm climate)	TOL	Tol (temperature operating limit)		°C		-15	
Space heating (Warm climate)	TOL	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		2	
		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
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.57	2.37	2.44
		COPd (declared COP)			4.03	4.20	4.18
		Power input		kW	0.39	0.56	0.58
	C Condition (7°C)	Pdh (declared heating cap)		kW	1.02	1.61	1.60
		COPd (declared COP)			5.18	4.55	4.41
		Power input		kW	0.20	0.35	0.36
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.19	1.58	1.79
		COPd (declared COP)			6.38	5.23	5.32
		Power input		kW	0.19	0.30	0.34
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	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	FHA60A9 + RXM60R
Indoor unit			-	FHA50AVEB9	FHA60AVEB9
Outdoor unit			-	RXM50R5V1B	RXM60R5V1B
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	4,901

2 Specifications

1 - 1 RXM-R

Technical specifications				FHA35A9 + RXM35R	FHA50A9 + RXM50R	FHA60A9 + RXM60R
Heating capacity	Nom.		kW	4.00	6.00	7.20
	Nom.		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		A		
		Heating		A	C	
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	1,578	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	2.33	2.54
	SCOP			5.72	4.59	4.61
	SCOPnet			5.83	4.64	4.67
	Annual energy consumption		kWh/a	409	711	771
	Required back up heating cap at design conditions		kW		0.00	
Space cooling	A Condition (35°C - 27/19)	Pdc	kW	3.40	5.00	5.70
		EERd		3.73	3.21	3.29
		Power input	kW	0.91	1.56	1.73
	B Condition (30°C - 27/19)	Pdc	kW	2.51	3.69	4.43
Space cooling	B Condition (30°C - 27/19)	EERd		5.28	5.04	4.88
		Power input	kW	0.48	0.73	0.91
	C Condition (25°C - 27/19)	Pdc	kW	1.68	2.37	2.85
		EERd		9.59	8.25	8.34
		Power input	kW	0.18	0.29	0.34
	D Condition (20°C - 27/19)	Pdc	kW	1.64	2.31	2.26
		EERd		11.71	10.39	10.97
		Power input	kW	0.14	0.22	0.21
Space heating (Average climate)	TOL	Tol (temperature operating limit)	°C		-15	
		Pdh (declared heating cap)	kW	2.47	3.86	3.92
		COPd (declared COP)		2.23	1.97	
		Power input	kW	1.11	1.96	1.99
	TBivalent	Tbiv (bivalent temperature)	°C		-7	
		Pdh (declared heating cap)	kW	2.74	3.85	4.12
		COPd (declared COP)		2.94	2.61	2.64
		Power input	kW	0.93	1.48	1.56
	A Condition (-7°C)	Pdh (declared heating cap)	kW	2.74	3.85	4.12
		COPd (declared COP)		2.94	2.61	2.64
		Power input	kW	0.93	1.48	1.56
	B Condition (2°C)	Pdh (declared heating cap)	kW	1.67	2.33	2.54
		COPd (declared COP)		4.32	3.95	3.96
		Power input	kW	0.39	0.59	0.64
	C Condition (7°C)	Pdh (declared heating cap)	kW	1.14	1.54	1.63
		COPd (declared COP)		5.83	4.62	4.60
		Power input	kW	0.20	0.33	0.35
	D Condition (12°C)	Pdh (declared heating cap)	kW	1.34	1.80	1.74
		COPd (declared COP)		7.24	5.65	
		Power input	kW	0.19	0.32	0.31

2 Specifications

1 - 1 RXM-R

Technical specifications					FHA35A9 + RXM35R	FHA50A9 + RXM50R	FHA60A9 + RXM60R
Power consumption in other than active mode	Crankcase heater mode	Cooling	PCK	kW	0.000		
		Heating	PCK	kW	0.000		
	Off mode	Cooling	POFF	kW	0.014	0.015	
		Heating	POFF	kW	0.014	0.015	
	Standby mode	Cooling	PSB	kW	0.014	0.015	
		Heating	PSB	kW	0.014	0.015	
	Thermo-stat-off mode	Cooling	PTO	kW	0.010		
		Heating	PTO	kW	0.010		
Space heating (Warm climate)	TOL	Tol (temperature operating limit)		°C	-15		
Space heating (Warm climate)	TOL	Pdh (declared heating cap)		kW	2.47	3.86	3.92
		COPd (declared COP)			2.23	1.97	
		Power input		kW	1.11	1.96	1.99
	TBivalent	Tbiv (bivalent temperature)		°C	2		
		Pdh (declared heating cap)		kW	1.67	2.33	2.54
		COPd (declared COP)			4.32	3.95	3.96
		Power input		kW	0.39	0.59	0.64
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.67	2.33	2.54
		COPd (declared COP)			4.32	3.95	3.96
		Power input		kW	0.39	0.59	0.64
	C Condition (7°C)	Pdh (declared heating cap)		kW	1.14	1.54	1.63
		COPd (declared COP)			5.83	4.62	4.60
		Power input		kW	0.20	0.33	0.35
	D Condition (12°C)	Pdh (declared heating cap)		kW	1.34	1.80	1.74
		COPd (declared COP)			7.24	5.65	
		Power input		kW	0.19	0.32	0.31
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 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				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
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 Directive	Cooling		A		
		Heating		A		

2 Specifications

1 - 1 RXM-R

Technical specifications				FVXM25A + RXM25R	FVXM35A + RXM35R	FVXM50A + RXM50R
Space cooling	Capacity	Pdesign	kW	2.40	3.40	5.00
	Energy efficiency class			A+++	A++	
	SEER			8.55	8.11	7.30
	Annual energy consumption		kWh/a	98	147	240
Space heating (Average climate)	Capacity	Pdesign	kW	2.30	2.80	4.10
	Energy efficiency class			A++		A+
	SCOP/A			4.65	4.63	4.31
	SCOPnet/A			4.68	4.67	4.35
	Pdh Heating capacity at -10°		kW	2.03	2.34	3.58
	Annual energy consumption		kWh/a	693	847	1,330
	Required back up heating cap at design conditions		kW	0.27	0.46	0.52
Space heating (Warm climate)	Capacity	Pdesignh	kW	1.24	1.51	2.21
	Energy efficiency class			A+++		A++
	SCOP			5.50	5.71	4.85
	SCOPnet			5.61	5.80	4.94
	Annual energy consumption		kWh/a	316	370	638
	Required back up heating cap at design conditions		kW		0.00	
Space cooling	A Condition (35°C - 27/19)	Pdc	kW	2.40	3.40	5.00
		EERd		4.47	4.01	3.81
		Power input	kW	0.54	0.85	1.31
	B Condition (30°C - 27/19)	Pdc	kW	1.77	2.51	3.69
		EERd		6.50	5.82	5.49
		Power input	kW	0.27	0.43	0.67
	C Condition (25°C - 27/19)	Pdc	kW	1.23	1.62	2.37
		EERd		10.51	9.63	8.59
		Power input	kW	0.12	0.17	0.28
	D Condition (20°C - 27/19)	Pdc	kW	1.18	1.12	2.20
		EERd		14.90	15.17	12.51
		Power input	kW	0.08	0.07	0.18
Space heating (Average climate)	TOL	Tol (temperature operating limit)	°C		-15	
		Pdh (declared heating cap)	kW	2.01	2.12	3.49
		COPd (declared COP)		2.24	1.94	1.82
		Power input	kW	0.90	1.09	1.92
	TBivalent	Tbiv (bivalent temperature)	°C		-7	
		Pdh (declared heating cap)	kW	2.04	2.48	3.63
		COPd (declared COP)		3.46	3.24	3.16
		Power input	kW	0.59	0.77	1.15
	A Condition (-7°C)	Pdh (declared heating cap)	kW	2.04	2.48	3.63
		COPd (declared COP)		3.46	3.24	3.16
		Power input	kW	0.59	0.77	1.15
	B Condition (2°C)	Pdh (declared heating cap)	kW	1.24	1.51	2.21
		COPd (declared COP)		4.67	4.58	4.45
		Power input	kW	0.27	0.33	0.50
	C Condition (7°C)	Pdh (declared heating cap)	kW	1.02	1.03	1.67
		COPd (declared COP)		5.67	5.80	5.15
		Power input	kW	0.18		0.32
	D Condition (12°C)	Pdh (declared heating cap)	kW	1.06	1.18	1.84
		COPd (declared COP)		7.16	7.13	5.98
Space heating (Average climate)	D Condition (12°C)	Power input	kW	0.15	0.17	0.31
Space heating (Warm climate)	TOL	Tol (temperature operating limit)	°C		-15	
		Pdh (declared heating cap)	kW	2.01	2.12	3.49
		COPd (declared COP)		2.24	1.94	1.82
		Power input	kW	0.90	1.09	1.92
	TBivalent	Tbiv (bivalent temperature)	°C		2	
		Pdh (declared heating cap)	kW	1.24	1.51	2.21
		COPd (declared COP)		4.67	4.58	4.45
		Power input	kW	0.27	0.33	0.50
	B Condition (2°C)	Pdh (declared heating cap)	kW	1.24	1.51	2.21
		COPd (declared COP)		4.67	4.58	4.45
		Power input	kW	0.27	0.33	0.50
	C Condition (7°C)	Pdh (declared heating cap)	kW	1.02	1.03	1.67
		COPd (declared COP)		5.67	5.80	5.15
		Power input	kW	0.18		0.32
	D Condition (12°C)	Pdh (declared heating cap)	kW	1.06	1.18	1.84
		COPd (declared COP)		7.16	7.13	5.98
		Power input	kW	0.15	0.17	0.31

2 Specifications

1 - 1 RXM-R

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		
		Heating	PSB	W	1		
	Thermostat-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
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 Directive	Cooling		A		
		Heating		A		
Space cooling	Capacity	Pdesign	kW	2.50	3.50	5.00
	Energy efficiency class			A++		
	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	
	SCOPnet/A			4.59	4.03	4.01
	Pdh Heating capacity at -10°		kW	2.23	2.40	2.23
Space heating (Average climate)	Annual energy consumption		kWh/a	737	1,015	1,471
	Required back up heating cap at design conditions		kW	0.17	0.50	1.97
Space heating (Warm climate)	Capacity	Pdesignh	kW	1.29	1.56	2.27
	Energy efficiency class			A+++		A++
	SCOP			5.81	5.44	4.96
	SCOPnet			5.93	5.52	5.01
	Annual energy consumption		kWh/a	311	402	641
	Required back up heating cap at design conditions		kW	0.00		

2 Specifications

1 - 1 RXM-R

Technical specifications					FVXM25F + RXM25R	FVXM35F + RXM35R	FVXM50F + RXM50R
Space cooling	A Condition (35°C - 27/19)	Pdc		kW	2.50	3.50	5.00
		EERd			4.20	3.21	3.23
		Power input		kW	0.60	1.09	1.55
	B Condition (30°C - 27/19)	Pdc		kW	1.84	2.58	3.68
		EERd			6.36	4.75	5.07
		Power input		kW	0.29	0.54	0.73
	C Condition (25°C - 27/19)	Pdc		kW	1.17	1.68	2.38
		EERd			8.43	7.62	8.44
		Power input		kW	0.14	0.22	0.28
	D Condition (20°C - 27/19)	Pdc		kW	0.98	0.95	2.29
		EERd			11.48	11.50	11.88
		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 Condition (-7°C)	Pdh (declared heating cap)		kW	2.12	2.57	3.72
		COPd (declared COP)			3.25	2.40	2.20
		Power input		kW	0.65	1.07	1.69
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.29	1.56	2.27
		COPd (declared COP)			4.39	4.03	4.32
		Power input		kW	0.29	0.39	0.53
	C Condition (7°C)	Pdh (declared heating cap)		kW	0.83	1.03	1.80
		COPd (declared COP)			5.79	5.11	5.13
		Power input		kW	0.14	0.20	0.35
Space heating (Average climate)	D Condition (12°C)	Pdh (declared heating cap)		kW	0.78	1.08	1.91
		COPd (declared COP)			7.27	7.24	6.25
		Power input		kW	0.11	0.15	0.31
Space heating (Warm climate)	TOL	Tol (temperature operating limit)		°C		-15	
		Pdh (declared heating cap)		kW	2.09	2.12	3.96
		COPd (declared COP)			2.24	1.94	1.82
		Power input		kW	0.93	1.09	2.18
	TBivalent	Tbiv (bivalent temperature)		°C		2	
		Pdh (declared heating cap)		kW	1.29	1.56	2.27
		COPd (declared COP)			4.39	4.03	4.32
		Power input		kW	0.29	0.39	0.53
	B Condition (2°C)	Pdh (declared heating cap)		kW	1.29	1.56	2.27
		COPd (declared COP)			4.39	4.03	4.32
		Power input		kW	0.29	0.39	0.53
	C Condition (7°C)	Pdh (declared heating cap)		kW	0.83	1.03	1.80
		COPd (declared COP)			5.79	5.11	5.13
		Power input		kW	0.14	0.20	0.35
	D Condition (12°C)	Pdh (declared heating cap)		kW	0.78	1.08	1.91
		COPd (declared COP)			7.27	7.24	6.25
		Power input		kW	0.11	0.15	0.31
Power consumption in other than active mode	Off mode	POFF		W		2.0	
	Standby mode	Cooling	PSB	W		2.0	
		Heating	PSB	W		2.0	
	Thermostat-off mode	PTO	Cooling	W		8.0	
			Heating	W		8.0	
Cooling	Cdc (Degradation cooling)					0.25	
Heating	Cdh (Degradation heating)					0.25	
Cooling function included						Yes	
Heating function included						Yes	
Average climate included						Yes	
Cold season included						No	
Warm season included						Yes	
Ecolabel logo						No	
Eurovent	Sound power level outdoor	Cooling	Nom.	dBA	59	61	62
	Sound power level indoor	Cooling	Nom.	dBA	52		57
	Piping length	Cooling	Measuring condition	m		5.0	

See separate drawing for electrical data |
See separate drawing for operation range |

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.

Technical specifications				FTXM20R + RXM20R	FTXM25R + RXM25R	FTXM35R + RXM35R	FTXM42R + RXM42R	FTXM50R + RXM50R	FTXM60R + RXM60R
Cooling capacity	Min.		kW	1.30		1.40	1.70		
	Min.		Btu/h	4,400		4,800	5,800		
	Min.		kcal/h	1,118		1,204	1,462		
	Nom.		kW	2.00	2.50	3.40	4.20	5.00	6.00
	Nom.		Btu/h	6,800	8,500	11,600	14,300	17,100	20,500
	Nom.		kcal/h	1,720	2,150	2,923	3,611	4,299	5,159
	Max.		kW	2.60	3.20	4.00	5.00	6.00	7.00
	Max.		Btu/h	8,900	10,900	13,600	17,100	20,500	23,900
	Max.		kcal/h	2,236	2,752	3,439	4,299	5,159	6,019
Heating capacity	Min.		kW	1.30		1.40	1.70		
	Min.		Btu/h	4,400		4,800	5,800		
	Min.		kcal/h	1,100		1,200	1,500		
	Nom.		kW	2.50	2.80	4.00	5.40	5.80	7.00
	Nom.		Btu/h	8,500	9,600	13,600	18,400	19,800	23,900
	Nom.		kcal/h	2,150	2,408	3,439	4,643	4,987	6,019
	Max.		kW	3.50	4.70	5.20	6.00	7.70	8.00
	Max.		Btu/h	11,900	16,000	17,700	20,500	26,300	27,300
	Max.		kcal/h	3,009	4,041	4,471	5,159	6,621	6,879
Power input	Cooling	Nom.	kW	0.44	0.56	0.80	0.97	1.36	1.77
	Heating	Nom.	kW	0.50	0.56	0.99	1.31	1.45	1.94
Nominal efficiency	EER			4.57	4.50	4.23	4.33	3.68	3.39
	COP			5.00		4.04	4.12	4.00	3.61
	Annual energy consumption		kWh	219	278	402	485	679	885
	Energy labeling Directive	Cooling		A					
		Heating		A					
Space cooling	Capacity	Pdesign	kW	2.00	2.50	3.40	4.20	5.00	6.00
	Energy efficiency class			A+++			A++		
	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
	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					
Space cooling	A Condition (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 Condition (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 Condition (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 Condition (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

2 Specifications

1 - 1 RXM-R

Technical specifications					FTXM20R + RXM20R	FTXM25R + RXM25R	FTXM35R + RXM35R	FTXM42R + RXM42R	FTXM50R + RXM50R	FTXM60R + RXM60R
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 Condition (-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 Condition (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 Condition (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 Condition (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
Space heating (Average climate)	D Condition (12°C)	Power input		kW	0.12	0.14		0.20	0.28	0.29
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 Condition (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 Condition (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 Condition (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 consumption in other than active mode	Off mode	POFF		W	1					
	Standby mode	Cooling	PSB	W	1					
		Heating	PSB	W	1					
	Thermostat-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					
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

2 Specifications

1 - 1 RXM-R

Technical specifications				FTXM71R + RXM71R
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 Directive	Cooling		B
		Heating		D
Space cooling	Capacity	Pdesign	kW	7.10
	Energy efficiency class			A++
	SEER			6.20
	Annual energy consumption		kWh/a	401
Space heating (Average climate)	Capacity	Pdesign	kW	6.20
	Energy efficiency class			A+
	SCOP/A			4.10
	SCOPnet/A			4.13
	Pdh Heating capacity at -10°		kW	5.01
	Annual energy consumption		kWh/a	2,117
	Required back up heating cap at design conditions		kW	1.19
Space heating (Warm climate)	Capacity	Pdesignh	kW	3.34
	Energy efficiency class			A+++
	SCOP			5.74
	SCOPnet			5.81
	Annual energy consumption		kWh/a	814
	Required back up heating cap at design conditions		kW	0.00
Space cooling	A Condition (35°C - 27/19)	Pdc	kW	7.10
		EERd		3.03
		Power input	kW	2.34
	B Condition (30°C - 27/19)	Pdc	kW	5.24
		EERd		4.88
		Power input	kW	1.07
	C Condition (25°C - 27/19)	Pdc	kW	3.37
		EERd		7.39
		Power input	kW	0.46
	D Condition (20°C - 27/19)	Pdc	kW	2.60
		EERd		9.69
		Power input	kW	0.27
Space heating (Average climate)	TOL	Tol (temperature operating limit)	°C	-15
		Pdh (declared heating cap)	kW	4.23
		COPd (declared COP)		1.75
		Power input	kW	2.42
	TBivalent	Tbiv (bivalent temperature)	°C	-7
		Pdh (declared heating cap)	kW	5.49
		COPd (declared COP)		2.14
		Power input	kW	2.57
	A Condition (-7°C)	Pdh (declared heating cap)	kW	5.49
		COPd (declared COP)		2.14
		Power input	kW	2.57
	B Condition (2°C)	Pdh (declared heating cap)	kW	3.34
		COPd (declared COP)		4.18
		Power input	kW	0.80
	C Condition (7°C)	Pdh (declared heating cap)	kW	2.32
		COPd (declared COP)		5.80
		Power input	kW	0.40
	D Condition (12°C)	Pdh (declared heating cap)	kW	2.38
		COPd (declared COP)		7.17
Space heating (Average climate)	D Condition (12°C)	Power input	kW	0.33

2 Specifications

1 - 1 RXM-R

Technical specifications					FTXM71R + RXM71R
Space heating (Warm climate)	TOL	Tol (temperature operating limit)		°C	-15
		Pdh (declared heating cap)		kW	4.23
		COPd (declared COP)			1.75
		Power input		kW	2.42
	TBivalent	Tbiv (bivalent temperature)		°C	2
		Pdh (declared heating cap)		kW	3.34
		COPd (declared COP)			4.18
		Power input		kW	0.80
	B Condition (2°C)	Pdh (declared heating cap)		kW	3.34
		COPd (declared COP)			4.18
		Power input		kW	0.80
	C Condition (7°C)	Pdh (declared heating cap)		kW	2.32
		COPd (declared COP)			5.80
		Power input		kW	0.40
	D Condition (12°C)	Pdh (declared heating cap)		kW	2.38
		COPd (declared COP)			7.17
		Power input		kW	0.33
Power consumption in other than active mode	Off mode	POFF		W	1
	Standby mode	Cooling	PSB	W	1
		Heating	PSB	W	1
	Thermostat-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
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
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 Directive	Cooling		A		
		Heating		A		

2 Specifications

1 - 1 RXM-R

Technical specifications				FTXM20N + RXM20R	FTXM25N + RXM25R	FTXM35N + RXM35R
Space cooling	Capacity	Pdesign	kW	2.00	2.50	3.40
	Energy efficiency class				A+++	
	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	
	SCOPnet/A				5.14	
	Pdh Heating capacity at -10°		kW	2.24	2.30	2.35
Space heating (Average climate)	Annual energy consumption		kWh/a	632	659	687
	Required back up heating cap at design conditions		kW	0.06	0.10	0.15
Space heating (Warm climate)	Capacity	Pdesignh	kW	1.24	1.29	1.35
	Energy efficiency class				A+++	
	SCOP			6.19	6.15	6.18
	SCOPnet			6.31	6.26	6.30
	Annual energy consumption		kWh/a	280	294	305
	Required back up heating cap at design conditions		kW		0.00	
Space cooling	A Condition (35°C - 27/19)	Pdc	kW	2.00	2.50	3.40
		EERd		4.57	4.50	4.23
		Power input	kW	0.44	0.56	0.80
	B Condition (30°C - 27/19)	Pdc	kW	1.47	1.84	2.51
		EERd		6.88	6.60	6.25
		Power input	kW	0.21	0.28	0.40
	C Condition (25°C - 27/19)	Pdc	kW	1.18		1.61
		EERd		10.52	10.03	10.19
		Power input	kW	0.11	0.12	0.16
	D Condition (20°C - 27/19)	Pdc	kW	1.05		1.07
		EERd		16.53	16.37	16.36
		Power input	kW	0.06		0.07
Space heating (Average climate)	TOL	Tol (temperature operating limit)	°C		-20	
		Pdh (declared heating cap)	kW		2.14	
		COPd (declared COP)		2.29		2.49
		Power input	kW	0.93		0.86
	TBivalent	Tbiv (bivalent temperature)	°C		-7	
		Pdh (declared heating cap)	kW	2.03	2.12	2.21
		COPd (declared COP)		3.64	3.60	3.50
		Power input	kW	0.56	0.59	0.63
	A Condition (-7°C)	Pdh (declared heating cap)	kW	2.03	2.12	2.21
		COPd (declared COP)		3.64	3.60	3.50
		Power input	kW	0.56	0.59	0.63
	B Condition (2°C)	Pdh (declared heating cap)	kW	1.24	1.29	1.34
		COPd (declared COP)		5.10	5.13	
		Power input	kW	0.24	0.25	0.26
	C Condition (7°C)	Pdh (declared heating cap)	kW	0.93	0.94	0.95
		COPd (declared COP)		6.28	6.22	
		Power input	kW		0.15	
Space heating (Average climate)	D Condition (12°C)	Pdh (declared heating cap)	kW	0.97	0.98	1.09
		COPd (declared COP)		7.99	7.81	
		Power input	kW	0.12		0.14
Space heating (Warm climate)	TOL	Tol (temperature operating limit)	°C		-20	
		Pdh (declared heating cap)	kW	2.14		2.59
		COPd (declared COP)		2.29		2.49
		Power input	kW	0.93		1.04
	TBivalent	Tbiv (bivalent temperature)	°C		2	
		Pdh (declared heating cap)	kW	1.24	1.29	1.34
		COPd (declared COP)		5.10	5.13	
		Power input	kW	0.24	0.25	0.26
	B Condition (2°C)	Pdh (declared heating cap)	kW	1.24	1.29	1.34
		COPd (declared COP)		5.10	5.13	
		Power input	kW	0.24	0.25	0.26
	C Condition (7°C)	Pdh (declared heating cap)	kW	0.93	0.94	0.95
		COPd (declared COP)		6.28	6.22	
		Power input	kW		0.15	
	D Condition (12°C)	Pdh (declared heating cap)	kW	0.97	0.98	1.09
		COPd (declared COP)		7.99	7.81	
		Power input	kW	0.12		0.14

2 Specifications

1 - 1 RXM-R

Technical specifications					FTXM20N + RXM20R	FTXM25N + RXM25R	FTXM35N + RXM35R
Power consumption in other than active mode	Off mode	POFF		W	1		
	Standby mode	Cooling	PSB	W	1		
		Heating	PSB	W	1		
	Thermostat-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
	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.

3 Electrical data

3 - 1 Electrical Data

RXM20-35R

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

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

Notes
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					1,6				
		50	240	Minimum ·50·Hz ·198·V				1,6				
RXM25R5V1B	FTXM25R2V1B	50	220	Maximum ·50·Hz ·264·V	9,71	13	46,0	2,3	0,040	0,280	0,025	0,30
		50	230					2,2				
		50	240	Minimum ·50·Hz ·198·V				2,1				
RXM25R5V1B	FFA25A2VEB9	50	220	Maximum ·50·Hz ·264·V	10,79	13	40,0	2,3	0,040	0,280	0,050	0,20
		50	230					2,5				
		50	240	Minimum ·50·Hz ·198·V				2,6				
RXM25R5V1B	FDXM25F3V1B9	50	220	Maximum ·50·Hz ·264·V	10,92	13	39,0	2,1	0,040	0,280	0,034	0,30
		50	230					2,2				
		50	240	Minimum ·50·Hz ·198·V				2,3				
RXM25R5V1B	FNA25A2VEB9	50	220	Maximum ·50·Hz ·264·V	11,17	13	43,0	2,3	0,040	0,280	0,034	0,50
		50	230					2,4				
		50	240	Minimum ·50·Hz ·198·V				2,5				
RXM35R5V1B	FTXM35R2V1B	50	220	Maximum ·50·Hz ·264·V	9,76	13	60,0	3,3	0,048	0,320	0,030	0,30
		50	230					3,2				
		50	240	Minimum ·50·Hz ·198·V				3,0				
RXM35R5V1B	FCAG35BVEB	50	220	Maximum ·50·Hz ·264·V	10,92	13	63,0	3,6	0,048	0,320	0,048	0,30
		50	230					3,8				
		50	240	Minimum ·50·Hz ·198·V				4,0				
RXM35R5V1B	FBA35A2VEB9	50	220	Maximum ·50·Hz ·264·V	12,29	13	56,0	3,3	0,048	0,320	0,089	1,40
		50	230					3,5				
		50	240	Minimum ·50·Hz ·198·V				3,6				
RXM35R5V1B	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					4,0				
		50	240	Minimum ·50·Hz ·198·V				4,2				
RXM35R5V1B	FFA35A2VEB9	50	220	Maximum ·50·Hz ·264·V	10,79	13	64,0	3,6	0,048	0,320	0,050	0,20
		50	230					3,8				
		50	240	Minimum ·50·Hz ·198·V				4,0				
RXM35R5V1B	FDXM35F3V1B9	50	220	Maximum ·50·Hz ·264·V	10,92	13	65,0	3,6	0,048	0,320	0,034	0,30
		50	230					3,8				
		50	240	Minimum ·50·Hz ·198·V				3,9				
RXM35R5V1B	FNA35A2VEB9	50	220	Maximum ·50·Hz ·264·V	11,17	13	65,0	3,6	0,048	0,320	0,034	0,50
		50	230					3,8				
		50	240	Minimum ·50·Hz ·198·V				3,9				
ARXM25R5V1B	ATXM25R2V1B	50	220	Maximum ·50·Hz ·264·V	9,71	13	46,0	2,3	0,040	0,280	0,025	0,30
		50	230					2,2				
		50	240	Minimum ·50·Hz ·198·V				2,1				
ARXM35R5V1B	ATXM35R2V1B	50	220	Maximum ·50·Hz ·264·V	9,76	13	60,0	3,3	0,048	0,320	0,030	0,30
		50	230					3,2				
		50	240	Minimum ·50·Hz ·198·V				3,0				
RXM42R2V1B	FTXM42R2V1B	50	220	Maximum ·50·Hz ·264·V	10,36	13	47,5	4,3	0,056	0,370	0,034	0,30
		50	230					4,1				
		50	240	Minimum ·50·Hz ·198·V				4,0				
RXM20R5V1B	FTXM20R5V1B	50	220	Maximum ·50·Hz ·264·V	8,93	10	32,5	1,7	0,048	0,320	0,029	0,30
		50	230					1,6				
		50	240	Minimum ·50·Hz ·198·V				1,6				
RXM25R5V1B	FTXM25R5V1B	50	220	Maximum ·50·Hz ·264·V	9,71	13	46,0	2,3	0,040	0,280	0,025	0,30
		50	230					2,2				
		50	240	Minimum ·50·Hz ·198·V				2,1				
RXM35R5V1B	FTXM35R5V1B	50	220	Maximum ·50·Hz ·264·V	9,76	13	60,0	3,3	0,048	0,320	0,030	0,30
		50	230					3,2				
		50	240	Minimum ·50·Hz ·198·V				3,0				
RXM42R2V1B	FTXM42R5V1B	50	220	Maximum ·50·Hz ·264·V	10,36	13	47,5	4,3	0,056	0,370	0,034	0,30
		50	230					4,1				
		50	240	Minimum ·50·Hz ·198·V				4,0				
ARXM25R5V1B	ATXM25R5V1B	50	220	Maximum ·50·Hz ·264·V	9,71	13	46,0	2,3	0,040	0,280	0,025	0,30
		50	230					2,2				
		50	240	Minimum ·50·Hz ·198·V				2,1				
ARXM35R5V1B	ATXM35R5V1B	50	220	Maximum ·50·Hz ·264·V	9,76	13	60,0	3,3	0,048	0,320	0,030	0,30
		50	230					3,2				
		50	240	Minimum ·50·Hz ·198·V				3,0				
RXM25R5V1B	FVXM25A2V1B	50	220	Maximum ·50·Hz ·264·V	9,54	13	41,0	2,6	0,040	0,280	0,037	0,14
		50	230					2,5				
		50	240	Minimum ·50·Hz ·198·V				2,4				
RXM35R5V1B	FVXM35A2V1B	50	220	Maximum ·50·Hz ·264·V	9,58	13	62,0	3,8	0,048	0,320	0,037	0,14
		50	230					3,7				
		50	240	Minimum ·50·Hz ·198·V				3,6				

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]

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3 Electrical data

3 - 1 Electrical Data

RXM42R

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

SYMBOLS

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

NOTES:

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

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3 Electrical data

3 - 1 Electrical Data

RXM42-71R

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

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]

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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 MIN. 50Hz 198V	15.42	16	55	5.2	0.056	0.37	0.089	1.40
		50	230					5.0				
		50	240					4.8				
ARXM60R5V1B	ADEA60A2VEB	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	15.86	16	66	6.2	0.056	0.37	0.070	1.30
		50	230					6.0				
		50	240					5.7				
ARXM71R5V1B	ADEA71A2VEB	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	15.83	16	81	8.2	0.056	0.37	0.070	1.30
		50	230					7.8				
		50	240					7.5				
ARXM71R5V1B	FCAG71BVEB	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14.93	16	81	8.1	0.056	0.37	0.054	0.40
		50	230					7.7				
		50	240					7.4				
ARXM71R5V1B	FBA71A2VEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	15.83	16	81	8.2	0.056	0.37	0.070	1.30
		50	230					7.8				
		50	240					7.5				
ARXM71R5V1B	FAA71AUVEB	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14.93	16	83	8.3	0.056	0.37	0.048	0.40
		50	230					7.9				
		50	240					7.6				
RXM42R5V1B	FTXM42R2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	10.36	13	48	4.3	0.056	0.37	0.034	0.30
		50	230					4.1				
		50	240					4.0				
RXM42R5V1B	FTXM42R5V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	10.36	13	48	4.3	0.056	0.37	0.034	0.30
		50	230					4.1				
		50	240					4.0				
RXM50R5V1B	FTXM50R2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14.54	16	54	4.7	0.056	0.37	0.046	0.60
		50	230					4.5				
		50	240					4.3				
ARXM50R5V1B	ATXM50R2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14.54	16	54	4.7	0.056	0.37	0.046	0.60
		50	230					4.5				
		50	240					4.3				
RXM50R5V1B	FCAG50BVEB	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14.21	16	58	5.2	0.056	0.37	0.048	0.30
		50	230					5.0				
		50	240					4.8				
RXM50R5V1B	FBA50A2VEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	15.42	16	55	5.2	0.056	0.37	0.089	1.40
		50	230					5.0				
		50	240					4.8				
RXM50R5V1B	FHA50AVEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14.54	16	64	5.5	0.056	0.37	0.090	0.60
		50	230					5.3				
		50	240					5.2				
RXM50R5V1B	FFA50A2VEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14.32	16	62	5.6	0.056	0.37	0.050	0.40
		50	230					5.4				
		50	240					5.3				
RXM50R5V1B	FDXM50F3V1B9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14.87	16	55	4.9	0.056	0.37	0.060	0.90
		50	230					4.7				
		50	240					4.5				
RXM50R5V1B	FNA50A2VEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14.43	16	55	4.9	0.056	0.37	0.060	0.50
		50	230					4.7				
		50	240					4.5				
RXM50R5V1B	FVXM50FV1B9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14.32	16	60	5.4	0.056	0.37	0.048	0.10
		50	230					5.2				
		50	240					5.0				
RXM60R5V1B	FTXM60R2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	15.09	16	70	6.6	0.056	0.37	0.046	0.60
		50	230					6.3				
		50	240					6.0				
RXM60R5V1B	FCAG60BVEB	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	14.76	16	71	6.5	0.056	0.37	0.048	0.30
		50	230					6.3				
		50	240					6.2				
RXM60R5V1B	FBA60A2VEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	15.86	16	66	6.1	0.056	0.37	0.070	1.30
		50	230					6.0				
		50	240					5.8				
RXM60R5V1B	FHA60AVEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	15.09	16	62	5.5	0.056	0.37	0.091	0.60
		50	230					5.3				
		50	240					5.1				
RXM60R5V1B	FFA60A2VEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	15.09	16	70	6.5	0.056	0.37	0.050	0.60
		50	230					6.3				
		50	240					6.2				
RXM60R5V1B	FDXM60F3V1B9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	15.42	16	73	6.7	0.056	0.37	0.060	0.90
		50	230					6.5				
		50	240					6.4				
RXM60R5V1B	FNA60A2VEB9	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	15.09	16	73	6.7	0.056	0.37	0.060	0.60
		50	230					6.5				
		50	240					6.4				
RXM71R5V1B	FTXM71R2V1B	50	220	MAX. 50Hz 264V MIN. 50Hz 198V	19.78	20	54	9.4	0.128	0.38	0.052	0.60
		50	230					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

3

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	6.7	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 he MCA.
3) The maximum allowable voltage that is unbalanced between phas is ·2·%.
4) Use a circuit breaker instead of a fuse.

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3 Electrical data

3 - 1 Electrical Data

RXM50R

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

SYMBOLS

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

NOTES:

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

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4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FTXM20N / RXM20R

Cooling ·220-240V 50Hz·

AFR	11,1
BF	0,16

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

Symbols

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

Heating ·220-240V 50Hz·

AFR	10,4

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

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

Notes

1. The capacities are based on the following conditions:
   Corresponding refrigerant piping length: ·5.0· m
   Level difference: ·0·m

2. The bold cells indicate the standard conditions.
   Rated operating frequency [Hz]

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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

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

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4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FDXM25F9 / RXM25R

Cooling 50Hz 220-240V

AFR	8,7
BF	0,17

Indoor temperature		Outdoor temperature [°C DB]																	
EWB	EDB	20			25			30			32			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14,0	20	2,46	1,94	0,49	2,35	1,88	0,54	2,24	1,83	0,59	2,19	1,81	0,61	2,12	1,78	0,63	2,01	1,73	0,68
16,0	22	2,57	1,91	0,50	2,46	1,86	0,54	2,35	1,81	0,59	2,30	1,79	0,61	2,23	1,76	0,64	2,12	1,71	0,68
18,0	25	2,68	2,01	0,50	2,57	1,97	0,55	2,46	1,92	0,59	2,41	1,90	0,61	2,34	1,87	0,64	2,23	1,83	0,69
19,0	27	2,74	2,14	0,50	2,62	2,09	0,55	2,51	2,05	0,59	2,47	2,03	0,61	2,40	2,00	0,64	2,29	1,96	0,69
22,0	30	2,90	2,07	0,50	2,79	2,03	0,55	2,68	1,99	0,60	2,63	1,97	0,62	2,57	1,95	0,65	2,45	1,91	0,69
24,0	32	3,01	2,02	0,51	2,90	1,98	0,55	2,79	1,95	0,60	2,74	1,93	0,62	2,68	1,91	0,65	2,56	1,88	0,70

Heating 50Hz 220-240V

AFR	8,7

Indoor temperature	Outdoor temperature [°C WB]											
EDB	-15		-10		-5		0		6		10	
°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15,0	1,49	0,64	1,79	0,68	2,09	0,71	2,39	0,74	3,31	0,78	3,60	0,81
20,0	1,40	0,66	1,70	0,69	2,00	0,73	2,30	0,76	3,20	0,80	3,49	0,83
22,0	1,36	0,67	1,66	0,70	1,96	0,73	2,26	0,77	3,16	0,81	3,44	0,83
24,0	1,32	0,68	1,62	0,71	1,92	0,74	2,22	0,77	3,11	0,81	3,40	0,84
25,0	1,30	0,68	1,60	0,71	1,90	0,75	2,20	0,78	3,09	0,82	3,38	0,84
27,0	1,27	0,69	1,57	0,72	1,87	0,75	2,17	0,79	3,05	0,83	3,33	0,85

Symbols

AFR: Air flow rate [m³/min]
BF: Bypass factor
EVB: 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.

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FFA25A9 / RXM25R

Cooling 50Hz 220-240V

AFR	9,0
BF	0,24

Indoor temperature		Outdoor temperature [°C DB]																	
EWB	EDB	20			25			30			32			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14,0	20	2,56	1,95	0,42	2,44	1,89	0,46	2,33	1,84	0,50	2,28	1,81	0,52	2,21	1,78	0,54	2,10	1,72	0,58
16,0	22	2,68	1,92	0,42	2,56	1,86	0,46	2,44	1,81	0,50	2,40	1,79	0,52	2,33	1,76	0,54	2,21	1,71	0,58
18,0	25	2,79	2,01	0,42	2,68	1,96	0,46	2,56	1,92	0,51	2,51	1,90	0,52	2,44	1,87	0,55	2,33	1,82	0,59
19,0	27	2,85	2,13	0,43	2,73	2,08	0,47	2,62	2,04	0,51	2,57	2,02	0,52	2,50	1,99	0,55	2,38	1,94	0,59
22,0	30	3,02	2,06	0,43	2,91	2,02	0,47	2,79	1,97	0,51	2,74	1,96	0,53	2,67	1,93	0,55	2,56	1,89	0,59
24,0	32	3,14	2,01	0,43	3,02	1,97	0,47	2,90	1,93	0,51	2,86	1,91	0,53	2,79	1,89	0,55	2,67	1,85	0,59

Heating 50Hz 220-240V

AFR	9,0

Indoor temperature	Outdoor temperature [°C WB]											
EDB	-15		-10		-5		0		6		10	
°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15,0	1,49	0,66	1,79	0,69	2,09	0,73	2,39	0,76	3,31	0,80	3,60	0,83
20,0	1,40	0,68	1,70	0,71	2,00	0,75	2,30	0,78	3,20	0,82	3,49	0,85
22,0	1,36	0,69	1,66	0,72	1,96	0,75	2,26	0,79	3,16	0,83	3,44	0,85
24,0	1,32	0,69	1,62	0,73	1,92	0,76	2,22	0,79	3,11	0,84	3,40	0,86
25,0	1,30	0,70	1,60	0,73	1,90	0,76	2,20	0,80	3,09	0,84	3,38	0,87
27,0	1,27	0,70	1,57	0,74	1,87	0,77	2,17	0,81	3,05	0,85	3,33	0,87

Symbols

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

Notes

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.

3D110082B

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FNA25A9 / RXM25R

Cooling 50Hz 220 - 240V

AFR	8,7
BF	0,17

Indoor temperature		Outdoor temperature [°C DB]																	
EWB	EDB	20			25			30			32			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14,0	20	2,66	2,04	0,52	2,54	1,98	0,58	2,42	1,92	0,63	2,37	1,90	0,65	2,30	1,86	0,68	2,18	1,81	0,73
16,0	22	2,78	2,00	0,53	2,66	1,95	0,58	2,54	1,89	0,63	2,49	1,87	0,65	2,42	1,84	0,68	2,30	1,78	0,73
18,0	25	2,90	2,11	0,53	2,78	2,06	0,58	2,66	2,00	0,63	2,61	1,98	0,65	2,54	1,95	0,68	2,42	1,90	0,73
19,0	27	2,96	2,23	0,53	2,84	2,18	0,58	2,72	2,13	0,63	2,67	2,11	0,65	2,60	2,08	0,68	2,48	2,04	0,73
22,0	30	3,14	2,16	0,54	3,02	2,11	0,59	2,90	2,07	0,64	2,85	2,05	0,66	2,78	2,02	0,69	2,66	1,98	0,74
24,0	32	3,26	2,10	0,54	3,14	2,06	0,59	3,02	2,02	0,64	2,97	2,01	0,66	2,90	1,98	0,69	2,78	1,94	0,74

Heating 50Hz 220 - 240V

AFR	8,7

Indoor temperature	Outdoor temperature [°C WB]											
EDB	-15		-10		-5		0		6		10	
°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15,0	1,49	0,64	1,79	0,68	2,09	0,71	2,39	0,74	3,31	0,78	3,60	0,81
20,0	1,40	0,66	1,70	0,69	2,00	0,73	2,30	0,76	3,20	0,80	3,49	0,83
22,0	1,36	0,67	1,66	0,70	1,96	0,73	2,26	0,77	3,16	0,81	3,44	0,83
24,0	1,32	0,68	1,62	0,71	1,92	0,74	2,22	0,77	3,11	0,81	3,40	0,84
25,0	1,30	0,68	1,60	0,71	1,90	0,75	2,20	0,78	3,09	0,82	3,38	0,84
27,0	1,27	0,69	1,57	0,72	1,87	0,75	2,17	0,79	3,05	0,83	3,33	0,85

Symbols

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

Notes

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.

3D110089B

FVXM25F / RXM25R

Cooling 50Hz 220 - 240V

AFR	8,2
BF	0,1

Indoor temperature		Outdoor temperature [°C DB]																	
EWB	EDB	20			25			30			32			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14,0	20	2,56	2,00	0,46	2,44	1,95	0,50	2,33	1,89	0,55	2,28	1,87	0,56	2,21	1,84	0,59	2,10	1,78	0,64
16,0	22	2,68	1,97	0,46	2,56	1,92	0,51	2,44	1,87	0,55	2,40	1,84	0,57	2,33	1,81	0,59	2,21	1,76	0,64
18,0	25	2,79	2,08	0,46	2,68	2,03	0,51	2,56	1,98	0,55	2,51	1,96	0,57	2,44	1,93	0,60	2,33	1,89	0,64
19,0	27	2,85	2,21	0,47	2,73	2,16	0,51	2,62	2,11	0,55	2,57	2,09	0,57	2,50	2,07	0,60	2,38	2,02	0,64
22,0	30	3,02	2,13	0,47	2,91	2,09	0,51	2,79	2,05	0,56	2,74	2,03	0,58	2,67	2,01	0,60	2,56	1,97	0,65
24,0	32	3,14	2,08	0,47	3,02	2,04	0,52	2,90	2,01	0,56	2,86	1,99	0,58	2,79	1,97	0,60	2,67	1,93	0,65

Heating 50Hz 220 - 240V

AFR	8,8

Indoor temperature	Outdoor temperature [°C WB]											
EDB	-15		-10		-5		0		6		10	
°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15,0	1,58	0,62	1,90	0,65	2,22	0,68	2,54	0,71	3,52	0,75	3,82	0,78
20,0	1,48	0,64	1,80	0,67	2,12	0,70	2,44	0,73	3,40	0,77	3,71	0,79
22,0	1,44	0,64	1,76	0,67	2,08	0,71	2,40	0,74	3,35	0,78	3,66	0,80
24,0	1,41	0,65	1,72	0,68	2,04	0,71	2,36	0,75	3,31	0,78	3,61	0,81
25,0	1,39	0,65	1,70	0,69	2,02	0,72	2,34	0,75	3,28	0,79	3,59	0,81
27,0	1,35	0,66	1,67	0,69	1,98	0,72	2,30	0,76	3,24	0,79	3,54	0,82

Symbols

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

Notes

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.

3D110093B

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FTXM25N / RXM25R

Cooling ·220-240V 50Hz·

AFR	11,1
BF	0,21

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

Symbols

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

Heating ·220-240V 50Hz·

AFR	10,8

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

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

Notes
1. The capacities are based on the following conditions:
   Corresponding refrigerant piping length: ·5.0· m
   Level difference: ·0·m
2. The bold cells indicate the standard conditions.
   Rated operating frequency [Hz]

3D120715A

FVXM25A / RXM25R

Cooling ·220-240V 50Hz·

AFR	8,7
BF	0,09

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

Heating ·220-240V 50Hz·

AFR	9,2

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

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

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

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

3D130939

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FTXM25R / RXM25R

Cooling 50Hz 220 -240V

AFR	10,49
BF	0,25

INDOOR		Outdoor temperature [° C DB]																	
EWB	EDB	20			25			30			32			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14	20	2,56	1,90	0,43	2,44	1,86	0,47	2,33	1,82	0,51	2,28	1,81	0,52	2,21	1,79	0,55	2,10	1,77	0,59
16	22	2,68	1,81	0,43	2,56	1,77	0,47	2,44	1,73	0,51	2,40	1,72	0,53	2,33	1,70	0,55	2,21	1,67	0,59
18	25	2,79	1,90	0,43	2,68	1,87	0,47	2,56	1,84	0,51	2,51	1,83	0,53	2,44	1,82	0,55	2,33	1,81	0,60
19	27	2,85	2,05	0,43	2,73	2,03	0,47	2,62	2,02	0,51	2,57	2,02	0,53	2,50	2,02	0,56	2,38	2,03	0,60
22	30	3,02	1,86	0,44	2,91	1,83	0,48	2,79	1,81	0,52	2,74	1,80	0,53	2,67	1,80	0,56	2,56	1,79	0,60
24	32	3,14	1,74	0,44	3,02	1,71	0,48	2,90	1,69	0,52	2,86	1,68	0,54	2,79	1,67	0,56	2,67	1,66	0,60

Heating 50Hz 220 -240V

AFR	9,78

INDOOR	Outdoor temperature [° C WB]											
EDB	-15		-10		-5		0		7		10	
°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
1. The ratings shown are net capacities which include a deduction for indoor fan motor heat.
2. Nominal capacity and nominal input
3. The total capacity, power input and sensible heat capacity must be calculated by interpolation, using the figures in the table (figures not in the table may not be used in the calculation).
4. In case the sensible heat capacity is not mentioned in the table, please calculate it using an approximation between two values in direct proportion.
5. The capacities are based on the following conditions:
   Corresponding refrigerant piping length: ·5· m
   Level difference: ·0·m
6. The air flow rate and bypass factor are mentioned in the table.

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

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

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		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14	20	3,08	2,27	0,63	3,08	2,27	0,72	3,08	2,27	0,81	3,08	2,27	0,85	3,01	2,24	0,89	2,85	2,16	0,96
16	22	3,64	2,44	0,70	3,48	2,36	0,76	3,32	2,28	0,83	3,26	2,25	0,86	3,17	2,21	0,90	3,01	2,13	0,96
18	25	3,80	2,54	0,70	3,64	2,46	0,77	3,48	2,39	0,83	3,42	2,36	0,86	3,32	2,32	0,90	3,16	2,25	0,97
19	27	3,87	2,66	0,70	3,72	2,59	0,77	3,56	2,52	0,84	3,49	2,49	0,86	3,40	2,45	0,90	3,24	2,39	0,97
22	30	4,11	2,56	0,71	3,95	2,50	0,77	3,79	2,44	0,84	3,73	2,41	0,87	3,63	2,38	0,91	3,48	2,32	0,97
24	32	4,27	2,49	0,71	4,11	2,43	0,78	3,95	2,37	0,85	3,89	2,35	0,87	3,79	2,32	0,91	3,63	2,26	0,98

Heating ·220-240V 50Hz·

AFR	12,5

Indoor	Outdoor temperature [°C WB]											
EDB	-15		-10		-5		0		6		10	
°C	TC	PI	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	1,21
20	1,83	0,99	2,23	1,04	2,62	1,09	3,01	1,14	4,20	1,20	4,58	1,24
22	1,78	1,00	2,18	1,05	2,57	1,10	2,97	1,15	4,14	1,21	4,52	1,25
24	1,74	1,01	2,13	1,06	2,52	1,11	2,92	1,16	4,08	1,22	4,46	1,26
25	1,71	1,02	2,11	1,07	2,50	1,12	2,89	1,17	4,06	1,23	4,43	1,27
27	1,66	1,03	2,06	1,08	2,45	1,13	2,85	1,18	4,00	1,24	4,38	1,28

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
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.

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		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14	20	2,96	2,19	0,78	2,96	2,19	0,89	2,96	2,19	1,01	2,96	2,19	1,05	2,96	2,19	1,13	2,85	2,13	1,22
16	22	3,64	2,42	0,89	3,48	2,34	0,97	3,32	2,26	1,06	3,26	2,23	1,09	3,17	2,18	1,14	3,01	2,11	1,23
18	25	3,80	2,51	0,89	3,64	2,43	0,98	3,48	2,36	1,06	3,42	2,33	1,10	3,32	2,29	1,15	3,16	2,22	1,23
19	27	3,87	2,63	0,89	3,72	2,55	0,98	3,56	2,48	1,06	3,49	2,46	1,10	3,40	2,42	1,15	3,24	2,35	1,23
22	30	4,11	2,52	0,90	3,95	2,46	0,99	3,79	2,40	1,07	3,73	2,38	1,11	3,63	2,34	1,16	3,48	2,28	1,24
24	32	4,27	2,45	0,91	4,11	2,39	0,99	3,95	2,34	1,08	3,89	2,32	1,11	3,79	2,28	1,16	3,63	2,23	1,25

Heating ·220-240V 50Hz·

AFR	8,7

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

3D110079B

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FFA35A9 / RXM35R

Cooling ·220-240V 50Hz·

AFR	10,0
BF	0,25

Indoor		Outdoor temperature [°C DB]																	
EWB	EDB	20			25			30			32			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14	20	3,08	2,27	0,62	3,08	2,27	0,71	3,08	2,27	0,80	3,08	2,27	0,84	3,01	2,24	0,88	2,85	2,16	0,95
16	22	3,64	2,44	0,69	3,48	2,36	0,75	3,32	2,28	0,82	3,26	2,25	0,85	3,17	2,21	0,89	3,01	2,13	0,95
18	25	3,80	2,54	0,69	3,64	2,46	0,76	3,48	2,39	0,82	3,42	2,36	0,85	3,32	2,32	0,89	3,16	2,25	0,96
19	27	3,87	2,66	0,69	3,72	2,59	0,76	3,56	2,52	0,83	3,49	2,49	0,85	3,40	2,45	0,89	3,24	2,39	0,96
22	30	4,11	2,56	0,70	3,95	2,50	0,77	3,79	2,44	0,83	3,73	2,41	0,86	3,63	2,38	0,90	3,48	2,32	0,96
24	32	4,27	2,49	0,70	4,11	2,43	0,77	3,95	2,37	0,84	3,89	2,35	0,86	3,79	2,32	0,90	3,63	2,26	0,97

Heating ·220-240V 50Hz·

AFR	10,0

Indoor	Outdoor temperature [°C WB]											
EDB	-15		-10		-5		0		6		10	
°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15	1,95	0,97	2,35	1,01	2,74	1,06	3,13	1,11	4,34	1,17	4,72	1,21
20	1,83	0,99	2,23	1,04	2,62	1,09	3,01	1,14	4,20	1,20	4,58	1,24
22	1,78	1,00	2,18	1,05	2,57	1,10	2,97	1,15	4,14	1,21	4,52	1,25
24	1,74	1,01	2,13	1,06	2,52	1,11	2,92	1,16	4,08	1,22	4,46	1,26
25	1,71	1,02	2,11	1,07	2,50	1,12	2,89	1,17	4,06	1,23	4,43	1,27
27	1,66	1,03	2,06	1,08	2,45	1,13	2,85	1,18	4,00	1,24	4,38	1,28

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
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.

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		10	
°C	TC	PI	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	0,99
20	1,75	0,81	2,12	0,85	2,50	0,89	2,87	0,93	4,00	0,98	4,36	1,01
22	1,70	0,82	2,07	0,86	2,45	0,90	2,82	0,94	3,94	0,99	4,31	1,02
24	1,65	0,83	2,03	0,87	2,40	0,91	2,78	0,95	3,89	1,00	4,25	1,03
25	1,63	0,83	2,01	0,87	2,38	0,91	2,76	0,95	3,86	1,00	4,22	1,03
27	1,59	0,84	1,96	0,88	2,33	0,92	2,71	0,96	3,81	1,01	4,17	1,04

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
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.

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

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

3D110090B

FVXM35F / RXM35R

Cooling ·220-240V 50Hz·

AFR	8,5
BF	0,11

Indoor		Outdoor temperature [°C DB]																	
EWB	EDB	20			25			30			32			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14	20	3,11	2,29	0,75	3,11	2,29	0,86	3,11	2,29	0,96	3,11	2,29	1,01	3,10	2,29	1,08	2,93	2,21	1,16
16	22	3,75	2,50	0,84	3,58	2,42	0,92	3,42	2,34	1,00	3,36	2,31	1,03	3,26	2,26	1,08	3,10	2,18	1,16
18	25	3,91	2,60	0,85	3,75	2,52	0,93	3,58	2,45	1,01	3,52	2,42	1,04	3,42	2,37	1,09	3,26	2,30	1,17
19	27	3,99	2,72	0,85	3,83	2,65	0,93	3,66	2,57	1,01	3,60	2,55	1,04	3,50	2,50	1,09	3,34	2,43	1,17
22	30	4,23	2,61	0,86	4,07	2,55	0,94	3,90	2,49	1,02	3,84	2,46	1,05	3,74	2,43	1,10	3,58	2,36	1,18
24	32	4,39	2,54	0,86	4,23	2,48	0,94	4,07	2,42	1,02	4,00	2,40	1,05	3,90	2,37	1,10	3,74	2,31	1,18

Heating ·220-240V 50Hz·

AFR	9,4

Indoor	Outdoor temperature [°C WB]											
EDB	-15		-10		-5		0		6		10	
°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15	2,09	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
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.

3D110094B

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FTXM35N / RXM35R

Cooling ·220-240V 50Hz·

AFR	12,3
BF	0,21

Indoor		Outdoor temperature [°C DB]																	
EWB	EDB	20			25			30			32			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14	20	3,48	2,66	0,59	3,32	2,60	0,67	3,16	2,52	0,73	3,11	2,49	0,75	3,01	2,45	0,79	2,85	2,38	0,85
16	22	3,64	2,63	0,62	3,48	2,57	0,68	3,32	2,49	0,73	3,27	2,46	0,76	3,17	2,42	0,79	3,01	2,35	0,86
18	25	3,80	2,77	0,62	3,64	2,70	0,68	3,48	2,64	0,74	3,42	2,61	0,76	3,32	2,58	0,80	3,17	2,51	0,86
19	27	3,88	2,93	0,62	3,72	2,88	0,69	3,56	2,81	0,74	3,50	2,78	0,76	3,40	2,74	0,80	3,25	2,68	0,86
22	30	4,11	2,84	0,63	3,96	2,78	0,69	3,79	2,72	0,74	3,73	2,70	0,77	3,63	2,67	0,81	3,48	2,61	0,87
24	32	4,27	2,77	0,63	4,11	2,71	0,70	3,96	2,66	0,75	3,89	2,64	0,77	3,79	2,61	0,81	3,63	2,57	0,87

Heating ·220-240V 50Hz·

AFR	10,8

Indoor	Outdoor temperature [°C WB]											
EDB	-15		-10		-5		0		6		10	
°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15	1,90	0,64	2,29	0,67	2,67	0,71	3,60	0,92	4,14	0,97	4,50	1,00
20	1,79	0,66	2,17	0,68	2,56	0,72	3,46	0,94	4,00	0,99	4,36	1,03
22	1,74	0,66	2,12	0,70	2,51	0,73	3,40	0,96	3,94	1,00	4,31	1,04
24	1,69	0,67	2,08	0,71	2,46	0,73	3,35	0,96	3,89	1,01	4,25	1,04
25	1,67	0,67	2,05	0,71	2,44	0,74	3,32	0,97	3,86	1,01	4,22	1,05
27	1,62	0,68	2,01	0,71	2,39	0,74	3,26	0,97	3,81	1,03	4,17	1,05

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

Notes
1. The capacities are based on the following conditions:
   Corresponding refrigerant piping length: ·5· m
   Level difference: ·0·m
2. 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

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

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

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	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

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

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	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

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

4D130637

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

Heating ·50· Hz ·220 - 240· V

AFR	15,0

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

Symbols

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

Notes

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

3D110073C

FVXM50A / RXM50R

Cooling ·50Hz 220–240V·

AFR	11,6
BF	0,11

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

Heating ·50Hz 220–240V·

AFR	12,8

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	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

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

Heating ·50· Hz ·220 - 240· V

AFR	12,6

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

Symbols

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

Notes

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

3D110076D

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

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

Symbols

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

Notes

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

3D110080C

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

Heating ·50· Hz ·220 - 240· V

AFR	12,7

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

Symbols

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

Notes

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

3D110085C

FHA50A9 / RXM50R

Cooling ·50· Hz ·220 - 240· V

AFR	15,0
BF	0,18

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

Heating ·50· Hz ·220 - 240· V

AFR	15,0

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

Symbols

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

Notes

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

3D110087C

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FNA50A9 / RXM50R

AFR	16,0
BF	0,12

Cooling ·50· Hz ·220 - 240· V

Indoor temperature		Outdoor temperature [°C DB]																	
EWB	EDB	20			25			30			32			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14,0	20	5,12	3,94	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

AFR	16,0

Heating ·50· Hz ·220 - 240· V

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

Symbols

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

Notes

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

3D110091C

FVXM50F / RXM50R

AFR	10,1
BF	0,13

Cooling ·50· Hz ·220 - 240· V

Indoor temperature		Outdoor temperature [°C DB]																	
EWB	EDB	20			25			30			32			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14,0	20	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

AFR	11,8

Heating ·50· Hz ·220 - 240· V

Indoor temperature	Outdoor temperature [°C WB]											
EDB	-15		-10		-5		0		6		10	
°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15,0	2,70	1,29	3,24	1,35	3,78	1,42	4,33	1,48	6,00	1,56	6,52	1,61
20,0	2,53	1,32	3,07	1,39	3,62	1,45	4,16	1,52	5,80	1,60	6,32	1,65
22,0	2,46	1,34	3,01	1,40	3,55	1,47	4,10	1,53	5,72	1,61	6,24	1,66
24,0	2,40	1,35	2,94	1,42	3,49	1,48	4,03	1,55	5,64	1,63	5,79	1,68
25,0	2,36	1,36	2,91	1,42	3,45	1,49	4,00	1,55	5,57	1,63	5,57	1,69
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

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.

3D110095C

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FTXM50N / RXM50R

Cooling ·50· Hz ·220 - 240· V

AFR	16,1
BF	0,13

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

Heating ·50· Hz ·220 - 240· V

AFR	17,1

Indoor temperature	Outdoor temperature [°C WB]											
EDB	-15		-10		-5		0		6		10	
°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15,0	2,76	0,93	3,32	0,98	3,88	1,03	4,43	1,35	6,00	1,42	6,52	1,47
20,0	2,59	0,96	3,15	1,01	3,71	1,05	4,26	1,38	5,80	1,45	6,32	1,50
22,0	2,52	0,97	3,08	1,02	3,64	1,07	4,19	1,39	5,72	1,46	6,24	1,51
24,0	2,46	0,98	3,01	1,03	3,57	1,08	4,12	1,40	5,64	1,48	6,16	1,52
25,0	2,42	0,99	2,98	1,03	3,54	1,08	4,09	1,41	5,60	1,48	6,12	1,53
27,0	2,35	1,00	2,91	1,04	3,47	1,09	4,02	1,42	5,52	1,50	6,04	1,54

Symbols

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

Notes

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.

3D120632A

FTXM50R / RXM50R

Cooling ·50· Hz ·220-240· V

AFR	15,45
BF	0,21

Indoor		Outdoor temperature [°C DB]																	
EWB	EDB	20			25			30			32			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14	20	5,12	3,89	1,04	4,89	3,82	1,14	4,66	3,76	1,24	4,56	3,74	1,28	4,42	3,71	1,34	4,19	3,69	1,44
16	22	5,35	3,70	1,05	5,12	3,62	1,15	4,89	3,55	1,25	4,79	3,53	1,29	4,65	3,50	1,35	4,42	3,45	1,45
18	25	5,58	3,90	1,05	5,35	3,84	1,15	5,12	3,80	1,26	5,02	3,79	1,30	4,88	3,78	1,36	4,65	3,77	1,46
19	27	5,70	4,24	1,06	5,47	4,21	1,16	5,23	4,22	1,26	5,14	4,22	1,30	5,00	4,25	1,36	4,77	4,31	1,46
22	30	6,04	3,82	1,07	5,81	3,78	1,17	5,58	3,75	1,27	5,49	3,75	1,31	5,35	3,74	1,37	5,11	3,76	1,47
24	32	6,27	3,57	1,07	6,04	3,53	1,17	5,81	3,49	1,27	5,72	3,48	1,31	5,58	3,46	1,37	5,34	3,45	1,47

Heating ·50· Hz ·220-240· V

AFR	15,33

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	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

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FBA60A9 / RXM60R

Cooling ·50· Hz ·220 - 240· V

AFR	18,0
BF	0,15

Indoor temperature		Outdoor temperature [°C DB]																	
EWB	EDB	20			25			30			32			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14,0	20	5,84	4,42	1,26	5,57	4,28	1,38	5,31	4,16	1,50	5,20	4,10	1,55	5,04	4,03	1,62	4,78	3,90	1,74
16,0	22	6,10	4,34	1,26	5,84	4,22	1,38	5,57	4,09	1,51	5,47	4,05	1,55	5,31	3,97	1,63	5,04	3,86	1,75
18,0	25	6,36	4,56	1,27	6,10	4,44	1,39	5,83	4,33	1,51	5,73	4,29	1,56	5,57	4,22	1,63	5,30	4,11	1,76
19,0	27	6,50	4,82	1,27	6,23	4,71	1,40	5,97	4,60	1,52	5,86	4,56	1,57	5,70	4,49	1,64	5,43	4,39	1,76
22,0	30	6,89	4,65	1,29	6,62	4,55	1,41	6,36	4,46	1,53	6,25	4,42	1,58	6,09	4,36	1,65	5,83	4,27	1,77
24,0	32	7,15	4,53	1,29	6,89	4,44	1,41	6,62	4,36	1,54	6,52	4,32	1,58	6,36	4,27	1,66	6,09	4,18	1,78

Heating ·50· Hz ·220 - 240· V

AFR	18,0

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

Symbols

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

Notes

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.

3D110074C

FCAG60B / RXM60R

Cooling ·50· Hz ·220 - 240· V

AFR	13,6
BF	0,2

Indoor temperature		Outdoor temperature [°C DB]																	
EWB	EDB	20			25			30			32			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14,0	20	4,47	3,30	1,12	4,47	3,30	1,28	4,47	3,30	1,44	4,47	3,30	1,51	4,47	3,30	1,61	4,47	3,30	1,78
16,0	22	5,68	3,73	1,27	5,68	3,73	1,43	5,57	3,68	1,58	5,47	3,63	1,63	5,31	3,55	1,71	5,04	3,42	1,84
18,0	25	6,36	4,09	1,34	6,10	3,96	1,16	5,83	3,83	1,59	5,73	3,78	1,64	5,57	3,71	1,72	5,30	3,59	1,85
19,0	27	6,50	4,26	1,34	6,23	4,14	1,47	5,97	4,01	1,59	5,86	3,97	1,65	5,70	3,89	1,72	5,43	3,78	1,85
22,0	30	6,89	4,09	1,35	6,62	3,98	1,48	6,36	3,87	1,61	6,25	3,83	1,66	6,09	3,76	1,73	5,83	3,66	1,86
24,0	32	7,15	3,96	1,36	6,89	3,86	1,49	6,62	3,76	1,61	6,52	3,73	1,66	6,36	3,67	1,74	6,09	3,57	1,87

Heating ·50· Hz ·220 - 240· V

AFR	13,6

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

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.

3D110077D

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FDXM60F9 / RXM60R

Cooling ·50· Hz ·220 - 240· V

AFR	16,0
BF	0,12

Indoor temperature		Outdoor temperature [°C DB]																	
EWB	EDB	20			25			30			32			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14,0	20	5,78	4,27	1,53	5,78	4,27	1,72	5,59	4,17	1,89	5,48	4,11	1,95	5,31	4,03	2,03	4,37	3,58	2,01
16,0	22	6,42	4,38	1,59	6,14	4,24	1,74	5,86	4,11	1,90	5,75	4,06	1,96	5,59	3,98	2,04	4,59	3,53	2,01
18,0	25	6,70	4,57	1,60	6,42	4,44	1,75	6,14	4,32	1,91	6,03	4,27	1,97	5,86	4,20	2,05	4,81	3,75	2,01
19,0	27	6,84	4,80	1,60	6,56	4,68	1,76	6,28	4,56	1,91	6,17	4,51	1,97	6,00	4,44	2,05	4,92	4,00	2,01
22,0	30	7,25	4,62	1,62	6,97	4,52	1,77	6,69	4,41	1,92	6,58	4,37	1,98	6,41	4,31	2,07	5,24	3,89	2,01
24,0	32	7,53	4,50	1,63	7,25	4,40	1,78	6,97	4,30	1,93	6,86	4,26	1,99	6,69	4,21	2,07	5,46	3,80	2,01

Heating ·50· Hz ·220 - 240· V

AFR	16,0

Indoor temperature	Outdoor temperature [°C WB]											
EDB	-15		-10		-5		0		6		10	
°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15,0	3,39	1,75	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

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.

3D110081C

FFA60A9 / RXM60R

Cooling ·50· Hz ·220 - 240· V

AFR	14,5
BF	0,11

Indoor temperature		Outdoor temperature [°C DB]																	
EWB	EDB	20			25			30			32			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14,0	20	5,30	3,91	1,36	5,30	3,91	1,53	5,30	3,91	1,71	5,20	3,86	1,77	5,04	3,78	1,85	4,78	3,65	1,99
16,0	22	6,10	4,12	1,44	5,84	3,99	1,58	5,57	3,86	1,72	5,47	3,81	1,77	5,31	3,73	1,86	5,04	3,61	1,99
18,0	25	6,36	4,29	1,45	6,10	4,17	1,59	5,83	4,05	1,73	5,73	4,00	1,78	5,57	3,93	1,86	5,30	3,82	2,00
19,0	27	6,50	4,50	1,45	6,23	4,38	1,59	5,97	4,27	1,73	5,86	4,22	1,79	5,70	4,16	1,87	5,43	4,05	2,01
22,0	30	6,89	4,33	1,47	6,62	4,23	1,61	6,36	4,13	1,74	6,25	4,09	1,80	6,09	4,03	1,88	5,78	3,91	2,01
24,0	32	7,15	4,21	1,48	6,89	4,12	1,61	6,62	4,02	1,75	6,52	3,99	1,81	6,36	3,93	1,89	6,01	3,82	2,01

Heating ·50· Hz ·220 - 240· V

AFR	14,5

Indoor temperature	Outdoor temperature [°C WB]											
EDB	-15		-10		-5		0		6		10	
°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15,0	3,39	1,65	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

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.

3D110084C

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FHA60A9 / RXM60R

AFR	19,5
BF	0,2

Cooling ·50· Hz ·220 - 240· V

Indoor temperature		Outdoor temperature [°C DB]																	
EWB	EDB	20			25			30			32			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14,0	20	5,84	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

AFR	19,5

Heating ·50· Hz ·220 - 240· V

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

Symbols

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

Notes

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.

3D110088C

FNA60A9 / RXM60R

AFR	16,0
BF	0,12

Cooling ·50· Hz ·220 - 240· V

Indoor temperature		Outdoor temperature [°C DB]																	
EWB	EDB	20			25			30			32			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14,0	20	5,78	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

AFR	16,0

Heating ·50· Hz ·220 - 240· V

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

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.

3D110092C

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FTXM60N / RXM60R
FTXM60R / RXM60R

4

Cooling ·50· Hz ·220 - 240· V

AFR	17,1
BF	0,17

Indoor temperature		Outdoor temperature [°C DB]																	
EWB	EDB	20			25			30			32			35			40		
°C	°C	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI	TC	SHC	PI
14,0	20	5,10	3,76	0,19	4,82	3,63	0,31	4,55	3,51	0,80	4,38	3,45	1,66	4,26	3,38	1,75	4,09	3,26	1,88
16,0	22	6,31	4,18	0,20	6,04	4,05	0,33	5,76	3,93	0,81	5,64	3,87	1,67	5,47	3,80	1,76	5,30	3,68	1,88
18,0	25	6,70	4,39	0,20	6,42	4,26	0,34	6,14	4,14	0,82	6,02	4,08	1,67	5,86	4,00	1,77	5,58	3,88	1,89
19,0	27	6,84	4,59	0,22	6,56	4,46	0,34	6,28	4,34	0,82	6,17	4,29	1,69	6,00	4,22	1,77	5,72	4,10	1,89
22,0	30	7,25	4,41	0,22	6,97	4,30	0,34	6,70	4,20	0,83	6,59	4,15	1,70	6,42	4,08	1,78	6,13	3,98	1,90
24,0	32	7,52	4,28	0,22	7,25	4,18	0,34	6,97	4,08	0,83	6,86	4,04	1,70	6,70	3,98	1,79	6,41	3,88	1,92

Heating ·50· Hz ·220 - 240· V

AFR	17,7

Indoor temperature	Outdoor temperature [°C WB]											
EDB	-15		-10		-5		0		6		10	
°C	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI	TC	PI
15,0	3,33	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

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.

3D117546B

FTXM60R / RXM60R

Cooling ·50· Hz ·220-240· V

AFR	16,22
BF	0,21

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

Heating ·50· Hz ·220-240· V

AFR	15,88

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

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.

3D131702

4 Capacity tables

4 - 1 Cooling/Heating Capacity Tables

FTXM71R / RXM71R

Cooling

·50· Hz ·220-240· V

AFR	15,95
BF	0,06

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

Heating

·50· Hz ·220-240· V

AFR	17,35

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

Symbols

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

Notes

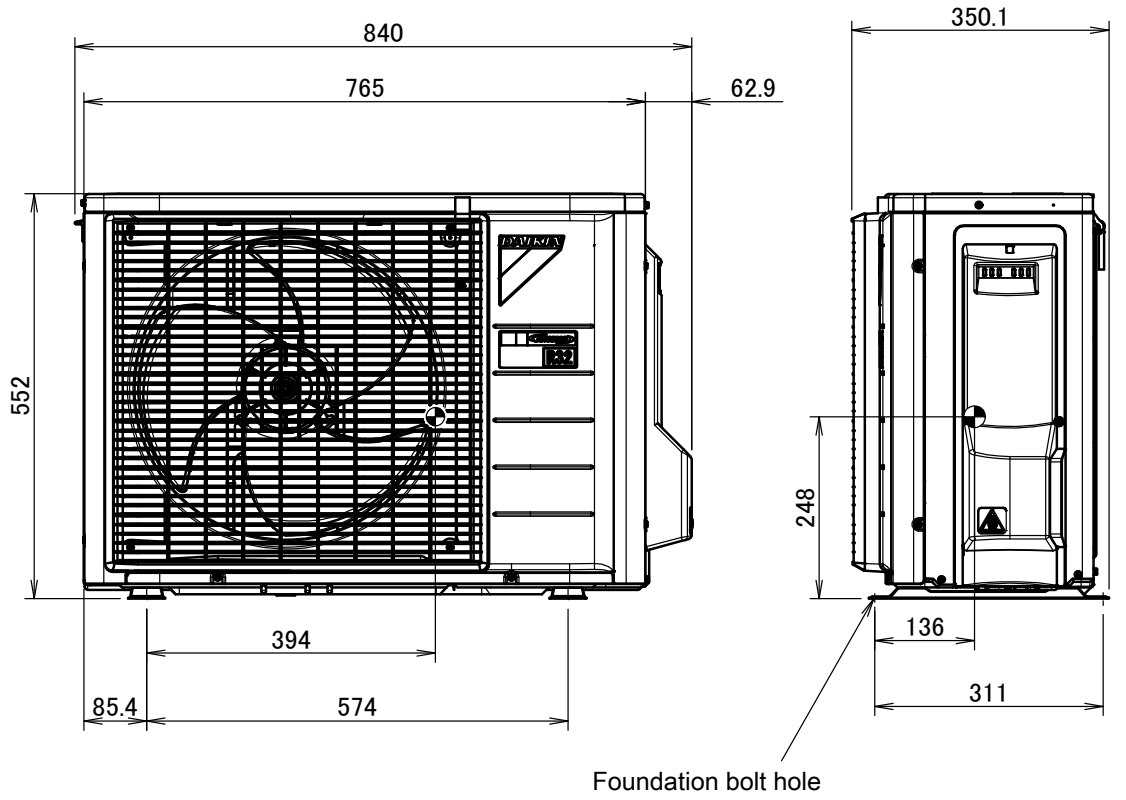
1) The ratings shown are net capacities which include a deduction for indoor fan motor heat.
2) On the figure the · ☐ · mark shows the rated capacity and rated coefficient of the power input.
3) The total capacity, power input and sensible heat capacity must be calculated by interpolation, using the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

3D131703

5 Centre of gravity

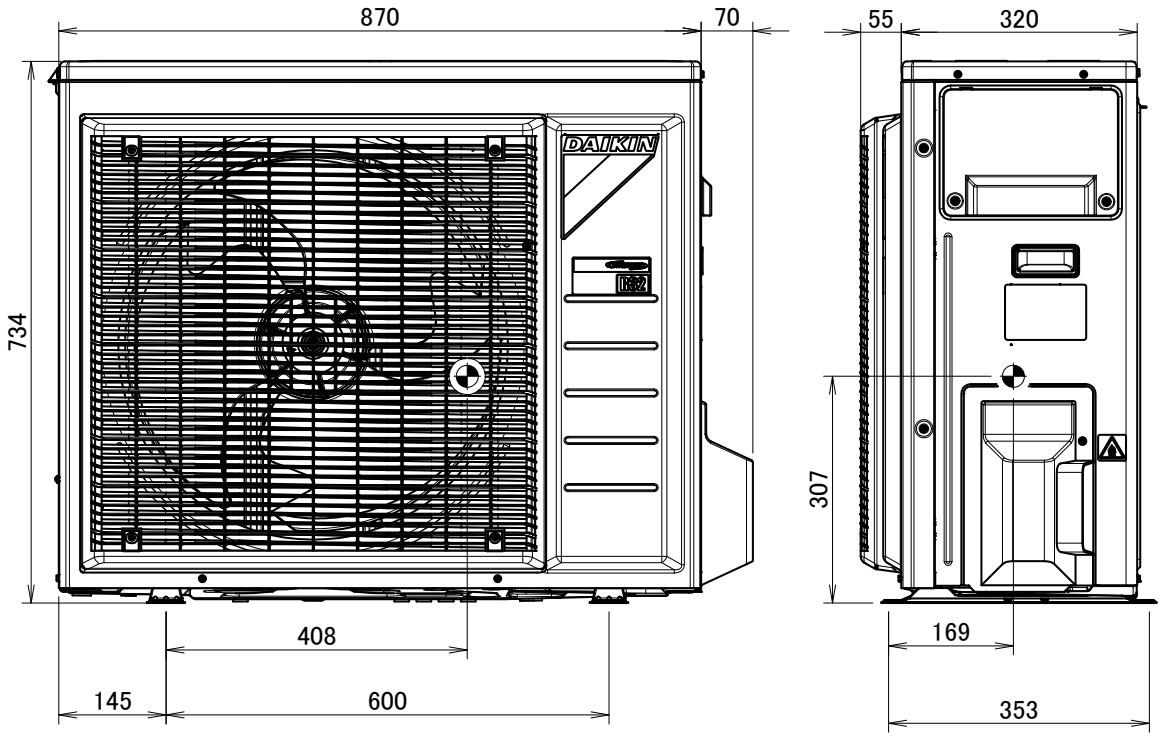
5 - 1 Centre of Gravity

RXM20-35R



4D119880

RXM42-60R

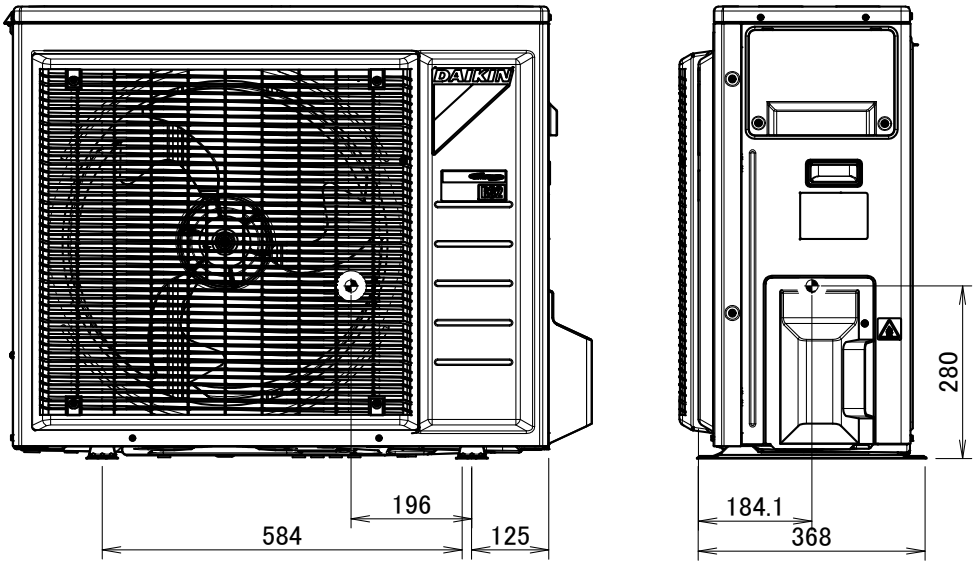


4D117299

5 Centre of gravity

5 - 1 Centre of Gravity

RXM71R

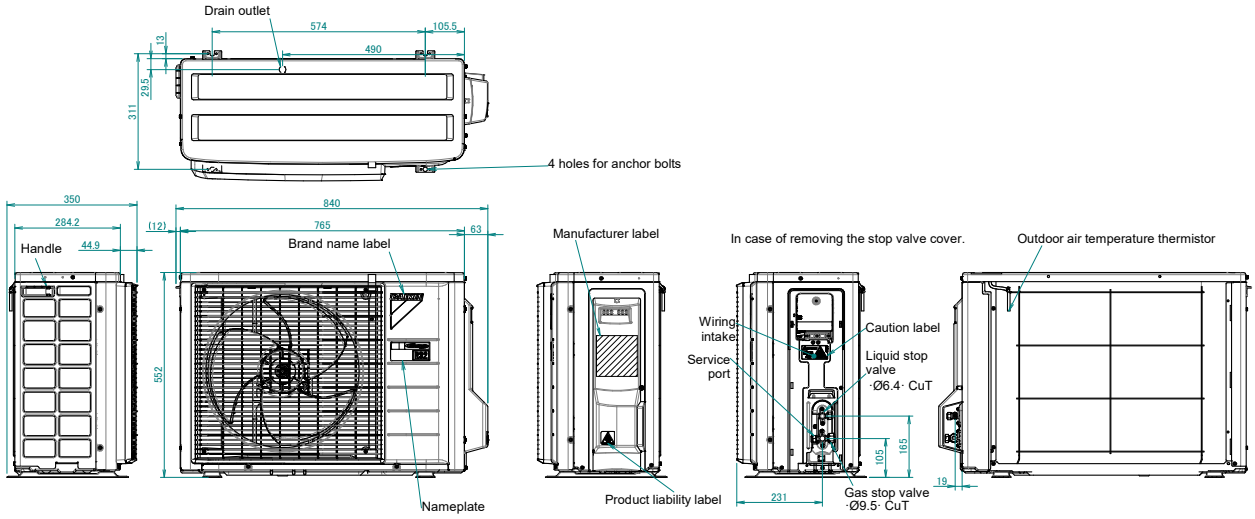


4D100855B

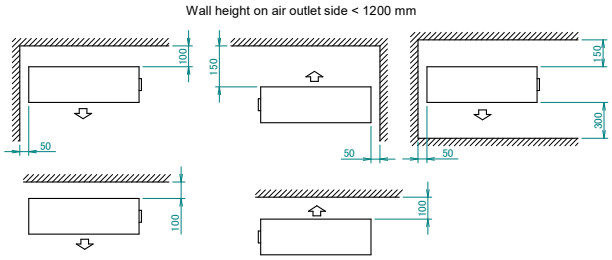
6 Dimensional drawings

6 - 1 Dimensional Drawings

RXM20-35R

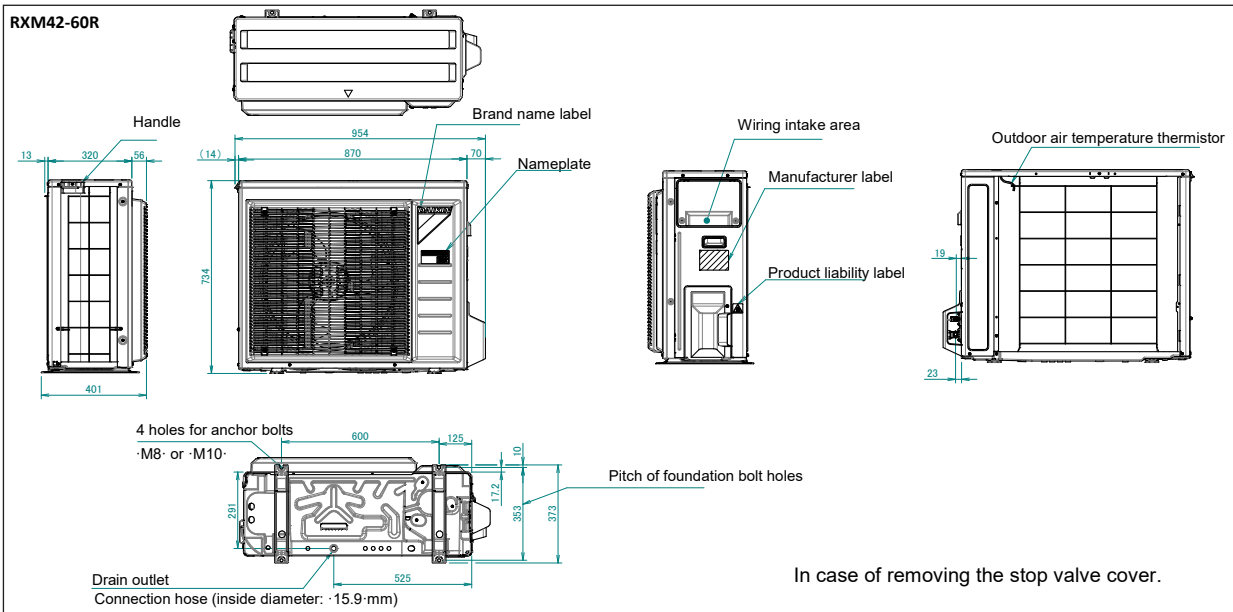


Minimum space for air passage



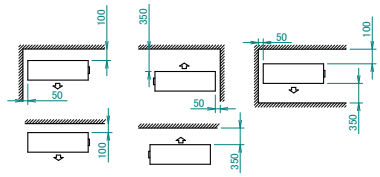
3D119881A

RXM42-60R

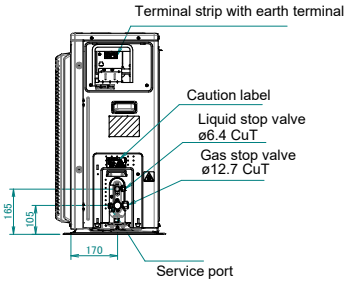


Minimum space for air passage

Wall height on air outlet side < 1200 mm



In case of removing the stop valve cover.

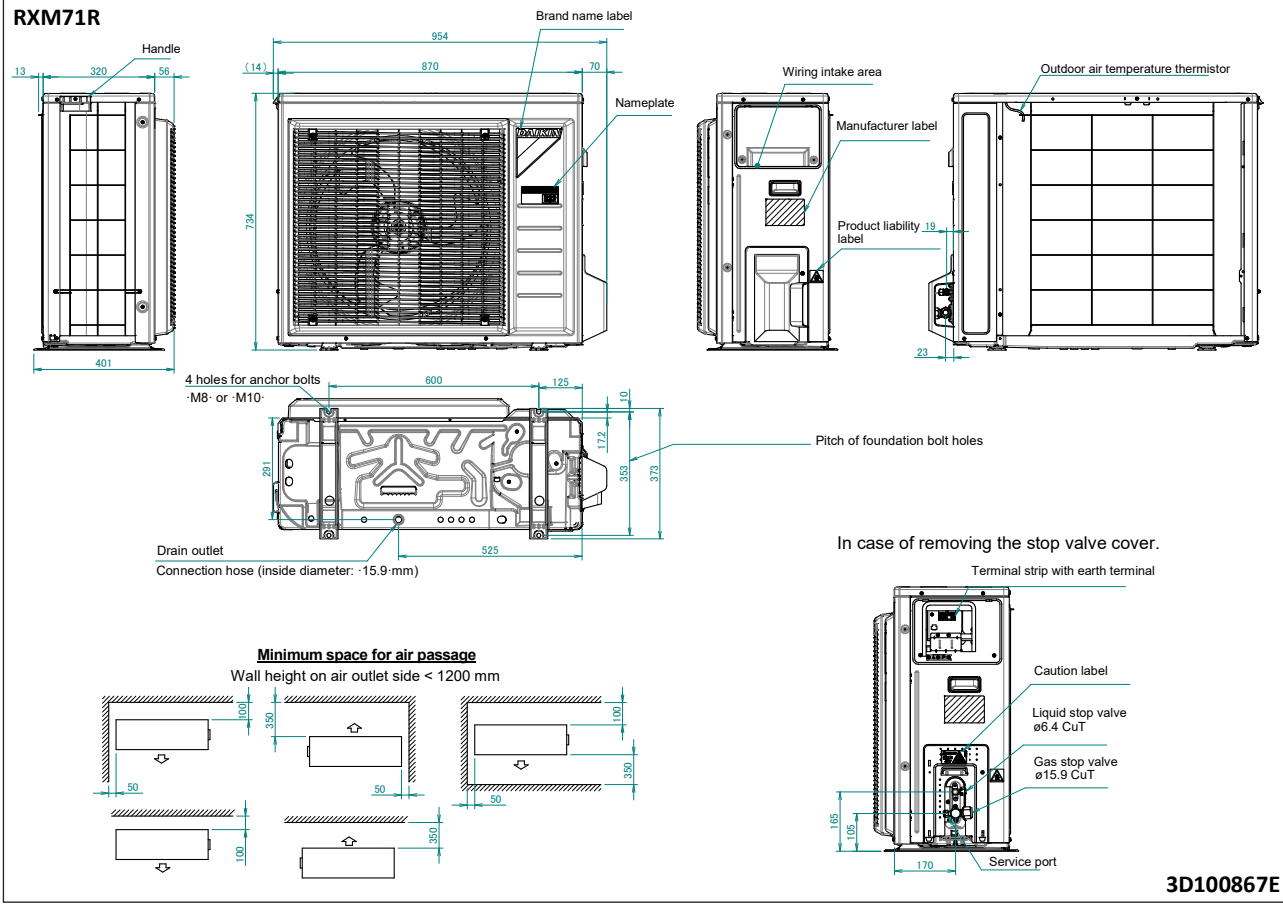


3D114108B

6 Dimensional drawings

6 - 1 Dimensional Drawings

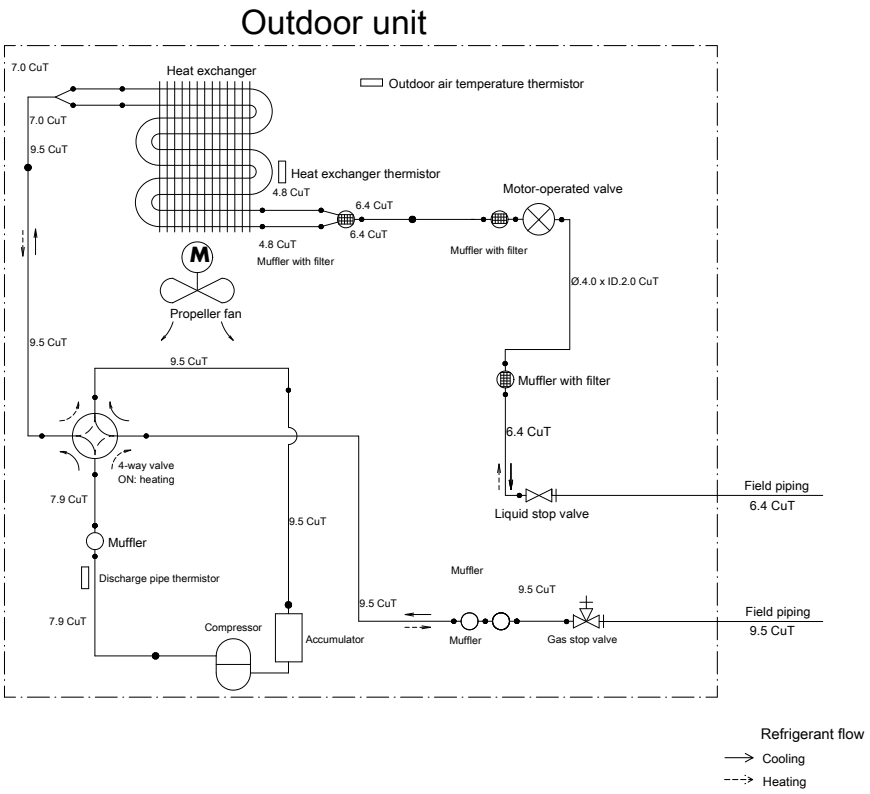
RXM71R



7 Piping diagrams

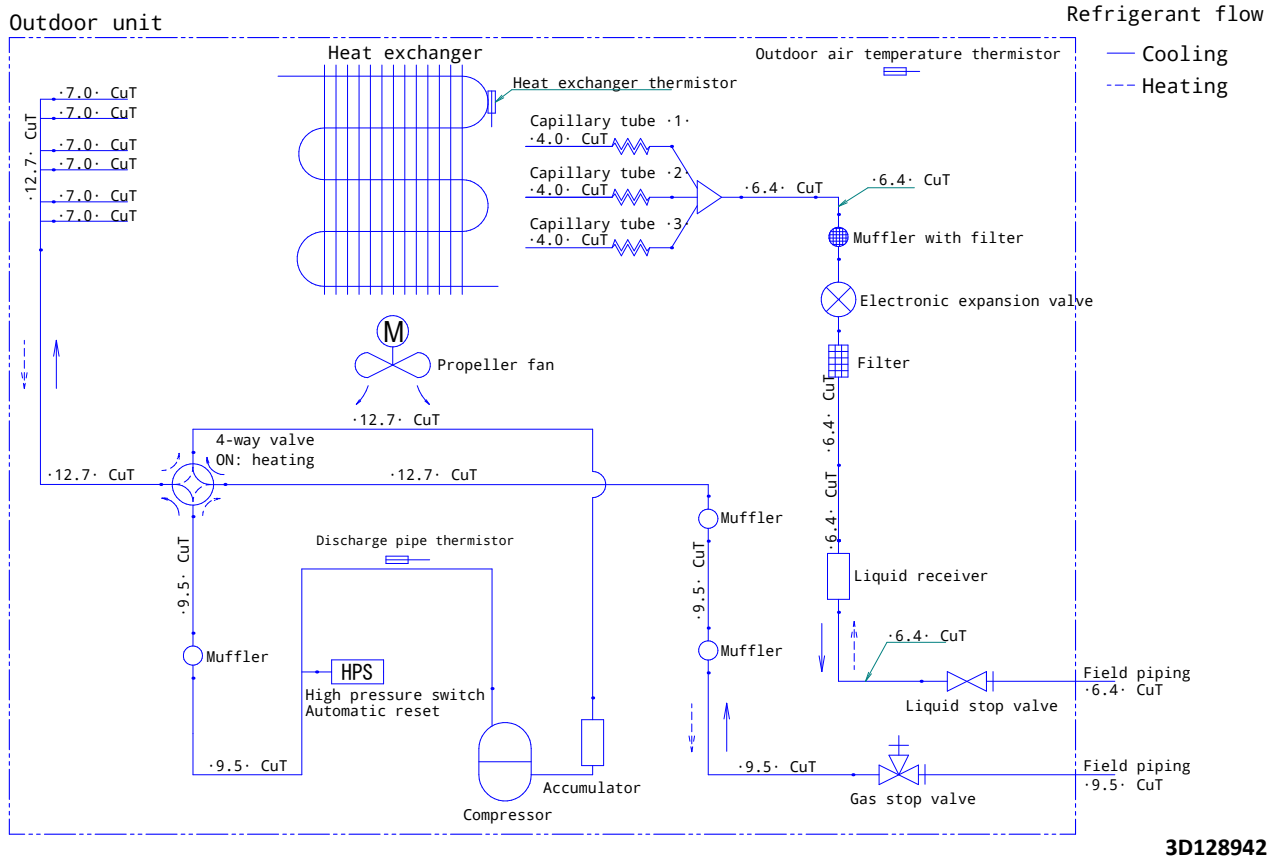
7 - 1 Piping Diagrams

RXM20-35R



3D091995B

RXM42R

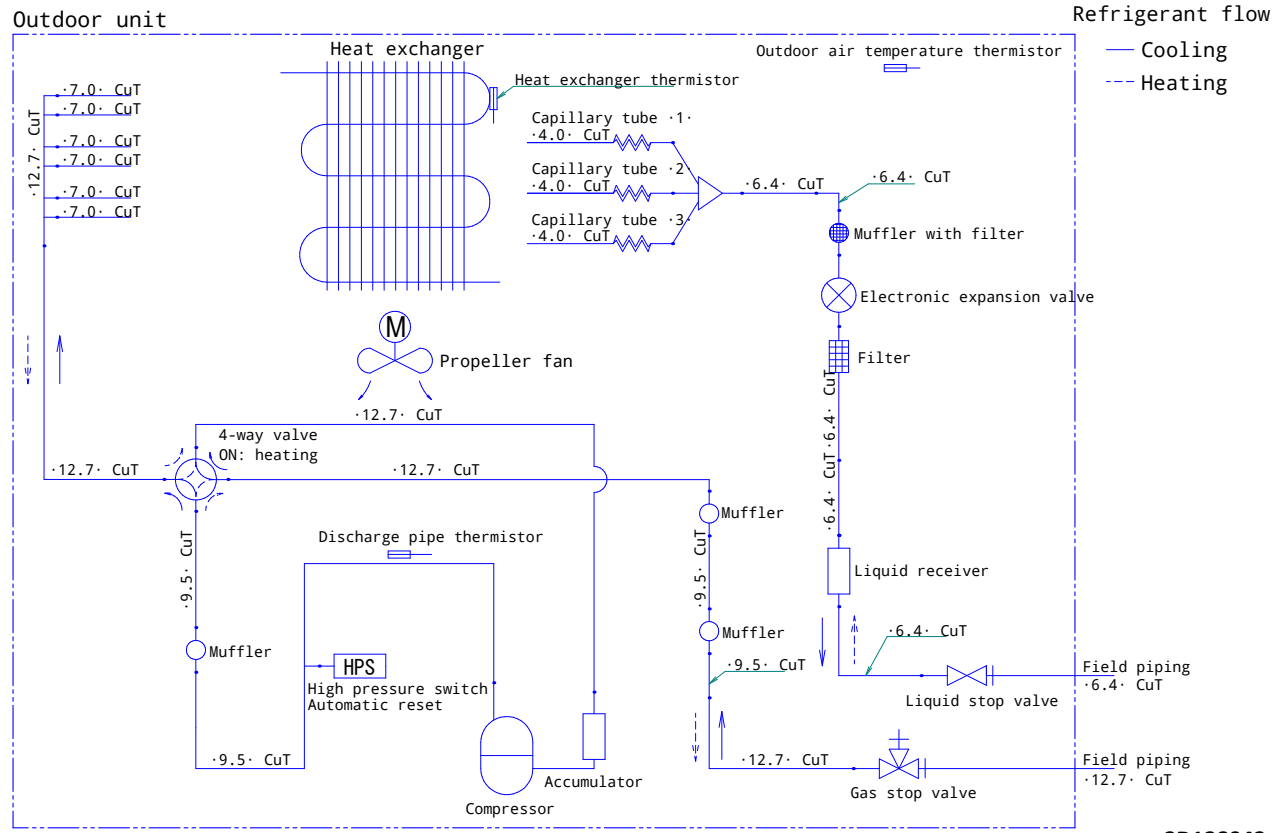


3D128942

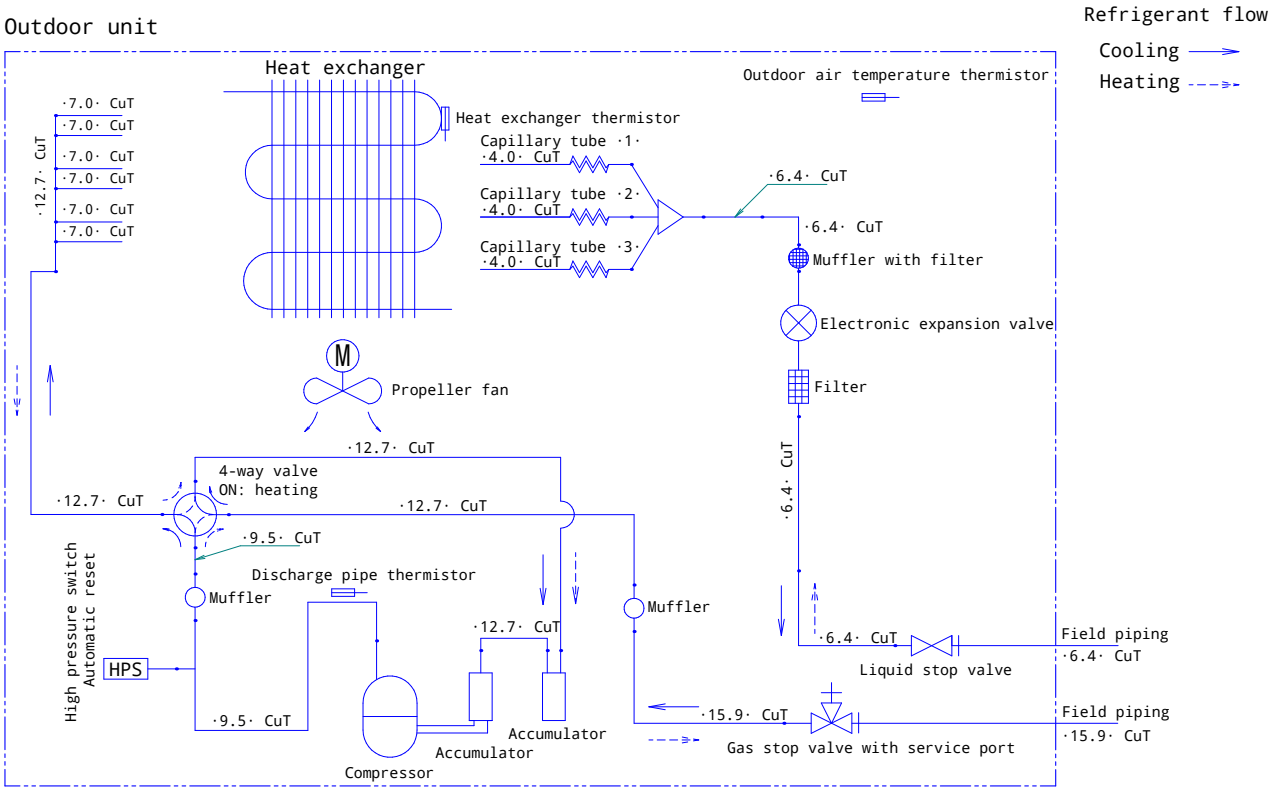
7 Piping diagrams

7 - 1 Piping Diagrams

RXM50-60R



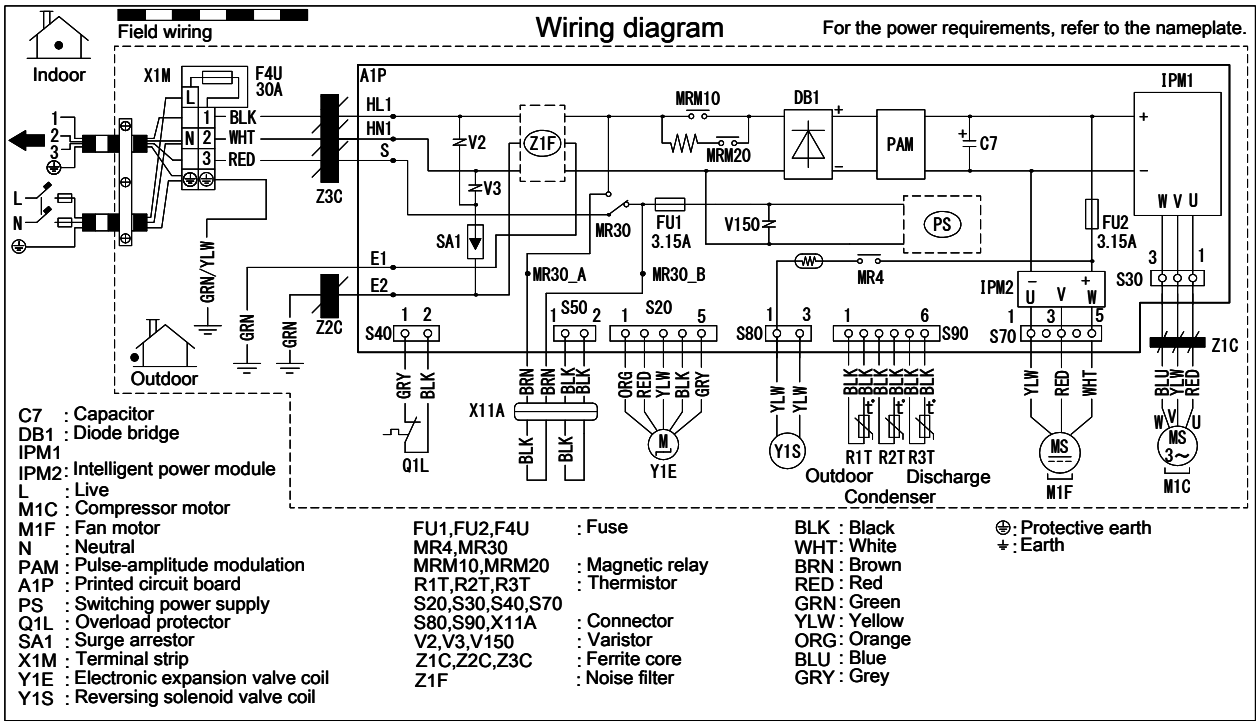
RXM71R



8 Wiring diagrams

8 - 1 Wiring Diagrams - Single Phase

RXM20-35R



C7 : Capacitor
DB1 : Diode bridge
IPM1
IPM2: Intelligent power module
L : Live
M1C : Compressor motor
M1F : Fan motor
N : Neutral
PAM : Pulse-amplitude modulation
A1P : Printed circuit board
PS : Switching power supply
Q1L : Overload protector
SA1 : Surge arrestor
X1M : Terminal strip
Y1E : Electronic expansion valve coil
Y1S : Reversing solenoid valve coil

FU1,FU2,F4U : Fuse
MR4,MR30
MRM10,MRM20 : Magnetic relay
R1T,R2T,R3T : Thermistor
S20,S30,S40,S70
S80,S90,X11A : Connector
V2,V3,V150 : Varistor
Z1C,Z2C,Z3C : Ferrite core
Z1F : Noise filter

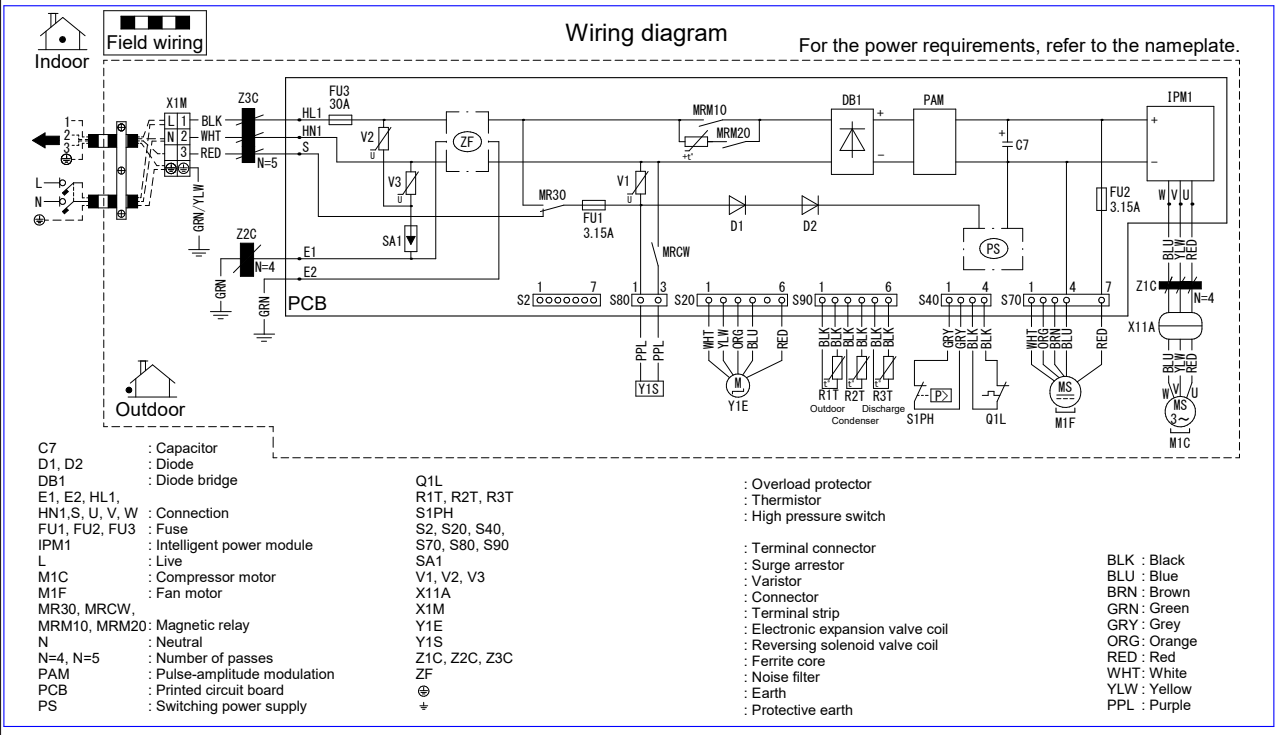
BLK : Black
WHT: White
BRN : Brown
RED : Red
GRN: Green
YLW : Yellow
ORG: Orange
BLU : Blue
GRY : Grey

⏚: Protective earth
⏚: Earth

Notes
Size: 140 x 80
Refer to purchasing specification AS303002, unless otherwise specified.

4D120154

RXM42R



C7 : Capacitor
D1, D2 : Diode
DB1 : Diode bridge
E1, E2, HL1, HN1,S, U, V, W : Connection
FU1, FU2, FU3 : Fuse
IPM1 : Intelligent power module
L : Live
M1C : Compressor motor
M1F : Fan motor
MR30, MRCW, MRM10, MRM20: Magnetic relay
N : Neutral
N=4, N=5 : Number of passes
PAM : Pulse-amplitude modulation
PCB : Printed circuit board
PS : Switching power supply

Q1L : Overload protector
R1T, R2T, R3T : Thermistor
S1PH : High pressure switch
S2, S20, S40, S70, S80, S90 : Terminal connector
SA1 : Surge arrestor
V1, V2, V3 : Varistor
X11A : Connector
X1M : Terminal strip
Y1E : Electronic expansion valve coil
Y1S : Reversing solenoid valve coil
Z1C, Z2C, Z3C : Ferrite core
ZF : Noise filter
⏚ : Earth
⏚ : Protective earth

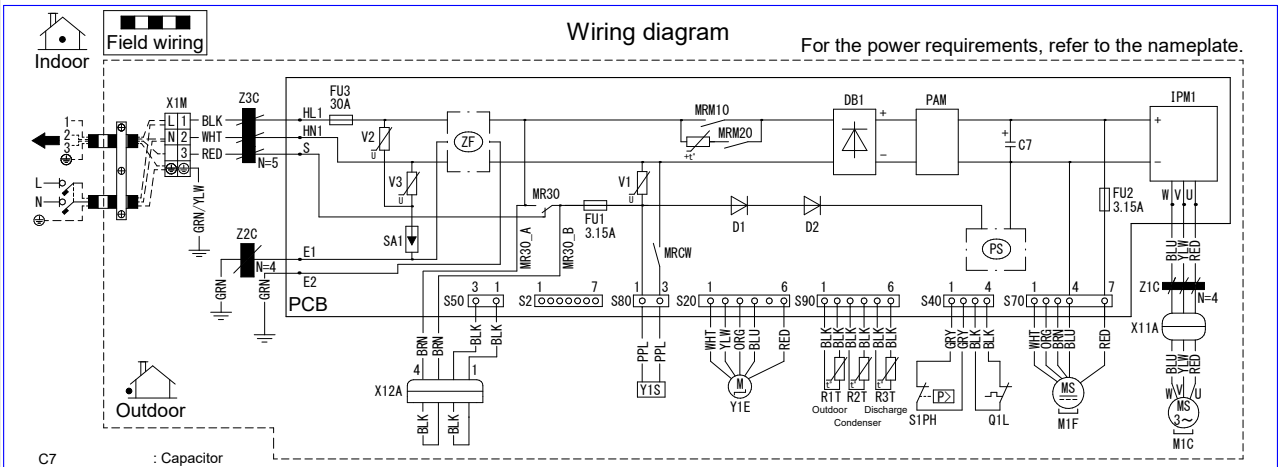
BLK : Black
BLU : Blue
BRN : Brown
GRN : Green
GRY : Grey
ORG : Orange
RED : Red
WHT : White
YLW : Yellow
PPL : Purple

3D130905A

8 Wiring diagrams

8 - 1 Wiring Diagrams - Single Phase

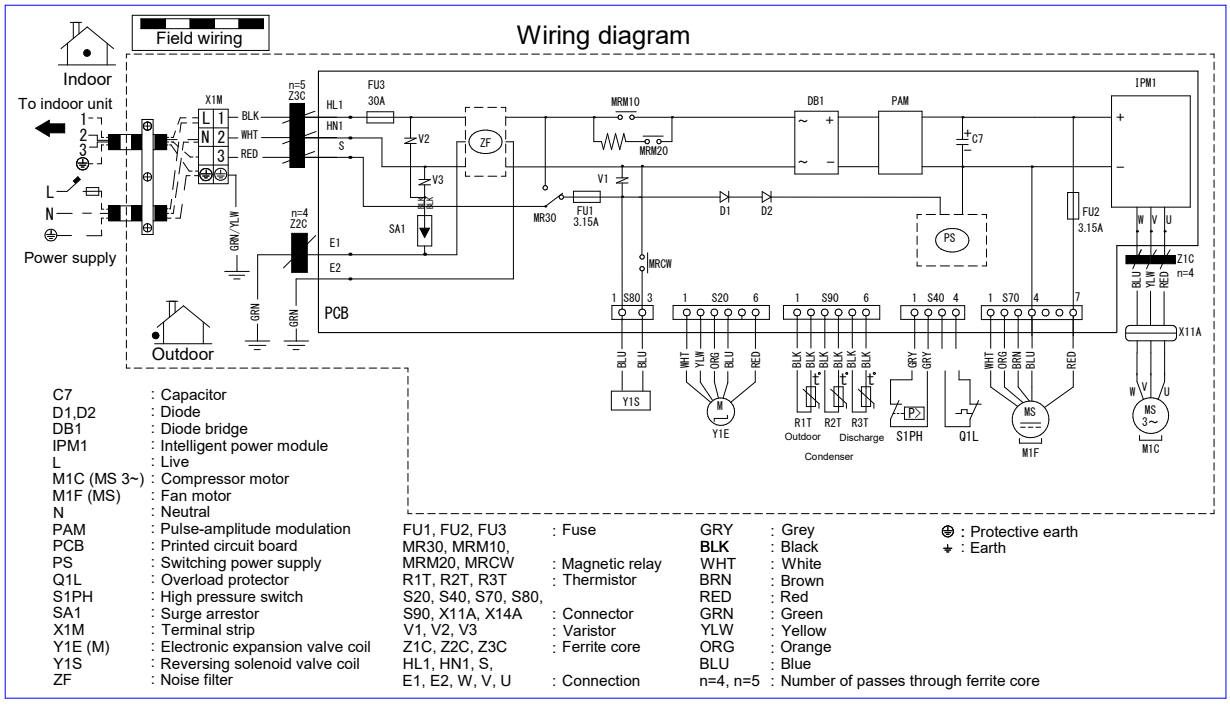
RXM50-60R



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

3D130906A

RXM71R



C7	: Capacitor	FU1, FU2, FU3	: Fuse	GRY	: Grey	⏚	: Protective earth
D1,D2	: Diode	MR30, MRM10, MRM20, MRCW	: Magnetic relay	**BLK**	: Black	⏚	: Earth
DB1	: Diode bridge	R1T, R2T, R3T	: Thermistor	WHT	: White		
IPM1	: Intelligent power module	S20, S40, S70, S80, S90, X11A, X14A	: Connector	BRN	: Brown		
L	: Live	V1, V2, V3	: Varistor	RED	: Red		
M1C (MS 3~)	: Compressor motor	Z1C, Z2C, Z3C	: Ferrite core	GRN	: Green		
M1F (MS)	: Fan motor	HL1, HN1, S, E1, E2, W, V, U	: Connection	YLW	: Yellow		
N	: Neutral			ORG	: Orange		
PAM	: Pulse-amplitude modulation			BLU	: Blue		
PCB	: Printed circuit board			n=4, n=5	: Number of passes through ferrite core		
PS	: Switching power supply						
Q1L	: Overload protector						
S1PH	: High pressure switch						
SA1	: Surge arrestor						
X1M	: Terminal strip						
Y1E (M)	: Electronic expansion valve coil						
Y1S	: Reversing solenoid valve coil						
ZF	: Noise filter						

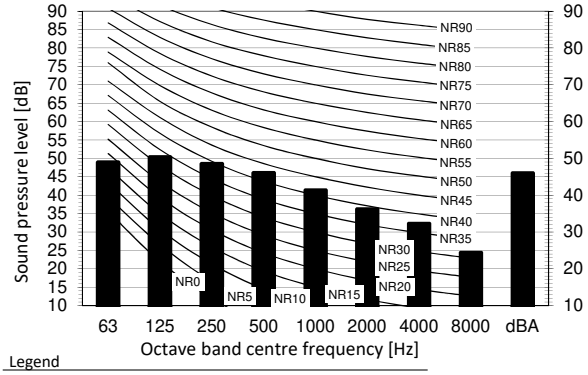
3D130907A

9 Sound data

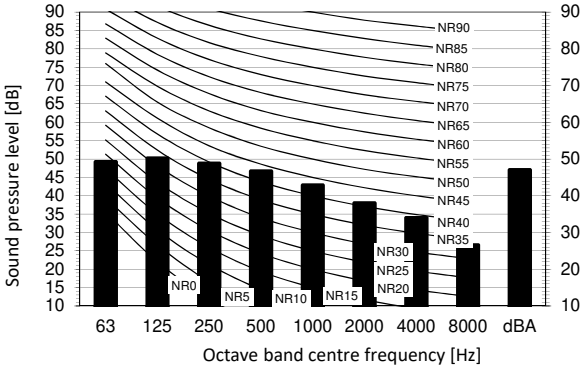
9 - 1 Sound Pressure Spectrum

RXM20R

Cooling mode



Heating mode



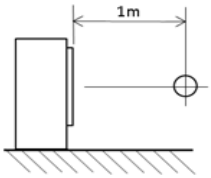
Legend

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

A Scale

B Fan speed: High

Location of microphone



Cooling	Total dB
A	B
dBA	46

Heating	Total dB
A	B
dBA	47

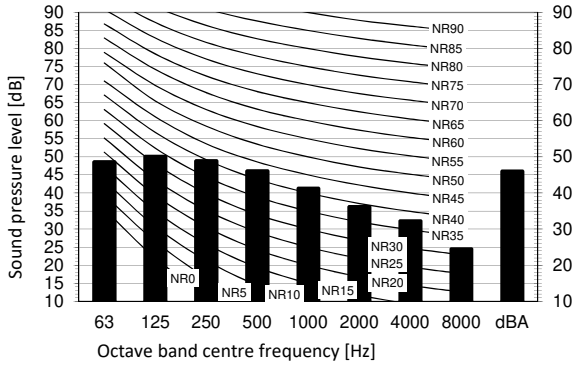
Notes

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

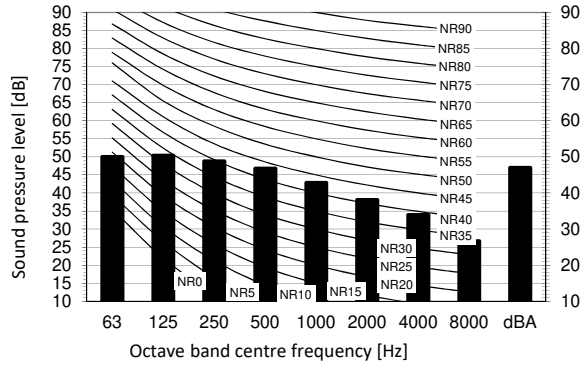
3D110121A

RXM25R

Cooling mode



Heating mode



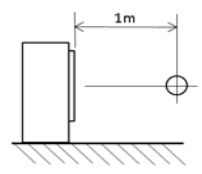
Legend

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

A Scale

B Fan speed: High

Location of microphone



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

Cooling	Total dB
A	B
dBA	46

Heating	Total dB
A	B
dBA	47

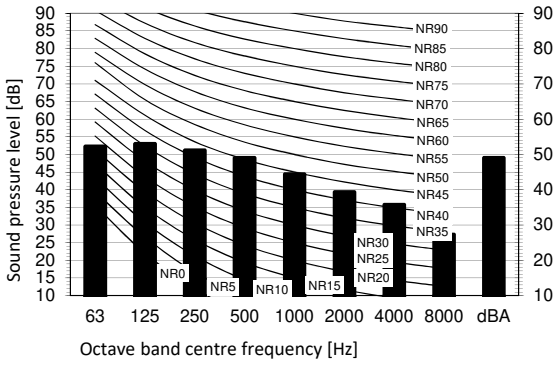
3D110122A

9 Sound data

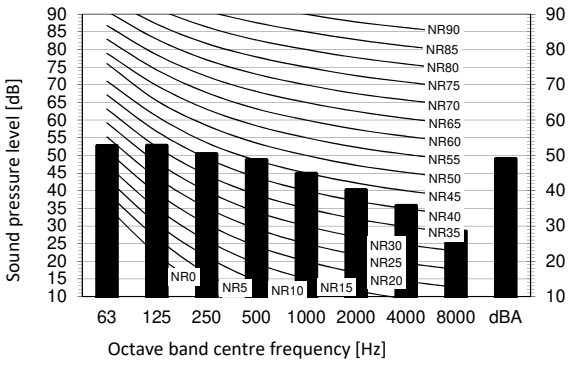
9 - 1 Sound Pressure Spectrum

RXM35R

Cooling mode



Heating mode



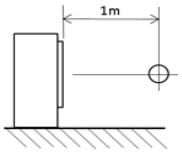
Legend

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

A Scale

B Fan speed: High

Location of microphone



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

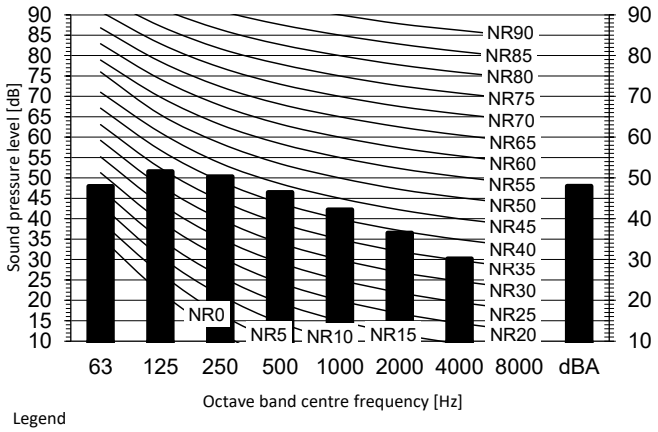
Cooling	Total dB
A	B
dBA	49

Heating	Total dB
A	B
dBA	49

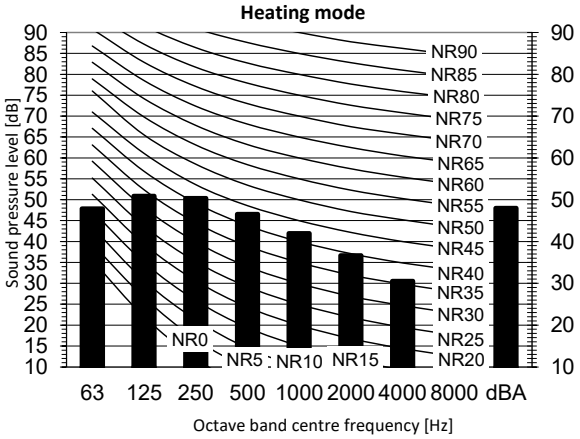
3D110123A

RXM42R

Cooling mode



Heating mode



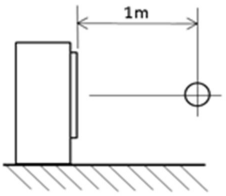
Legend

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

A Scale

B Fan speed: High

Location of microphone



Cooling	Total dB
A	B
dBA	48

Heating	Total dB
A	B
dBA	48

Notes

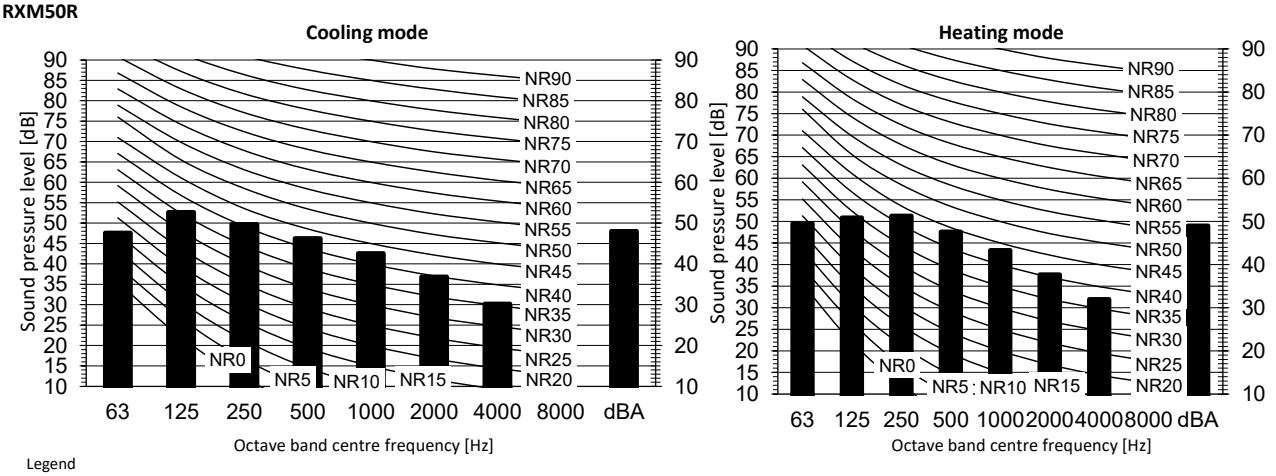
1. Operating conditions: power source 220-240 V/220 V 50/60 Hz; JIS standard
2. Background noise already taken into account.
3. Operating noise varies depending on operation and ambient conditions.
4. The operation noise measuring method is in accordance with JISC9612.
5. Measuring location: anechoic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

3D131717

9 Sound data

9 - 1 Sound Pressure Spectrum

RXM50R



Legend

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

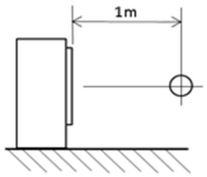
A Scale

B Fan speed: High

Cooling	Total dB
A	B
dBA	48

Heating	Total dB
A	B
dBA	49

Location of microphone

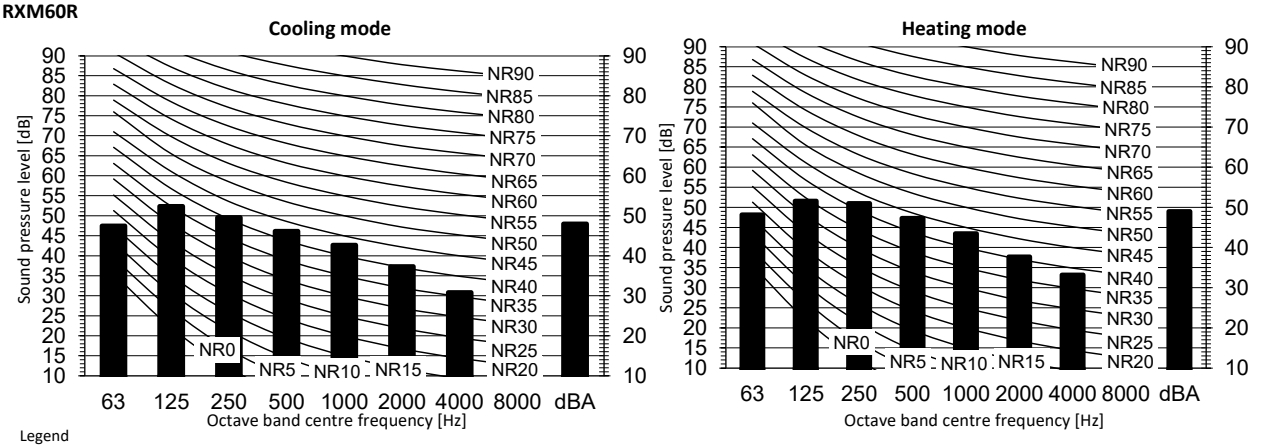


Notes

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

3D131753

RXM60R



Legend

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

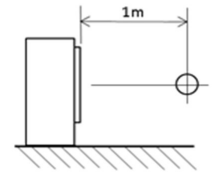
A Scale

B Fan speed: High

Cooling	Total dB
A	B
dBA	48

Heating	Total dB
A	B
dBA	49

Location of microphone



Notes

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

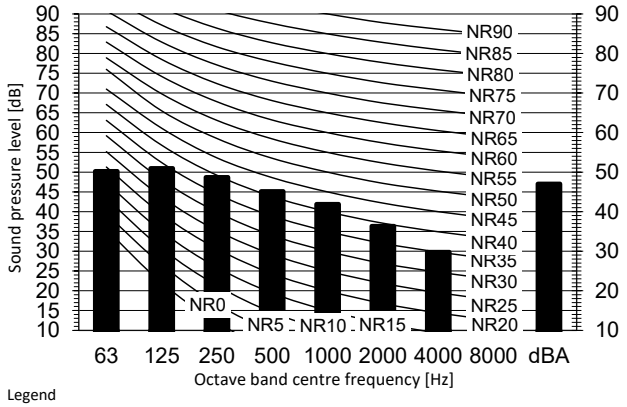
3D131754

9 Sound data

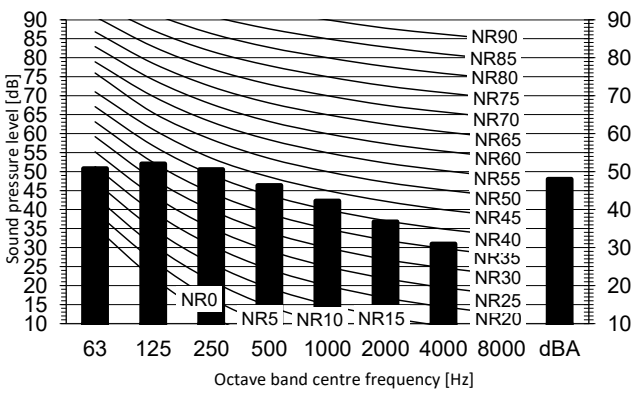
9 - 1 Sound Pressure Spectrum

RXM71R

Cooling mode



Heating mode



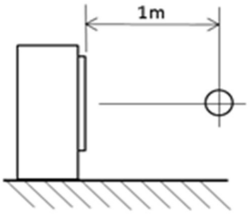
Legend

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

A Scale

B Fan speed: High

Location of microphone



Cooling Total dB

A	B
dBA	47

Heating Total dB

A	B
dBA	48

Notes

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

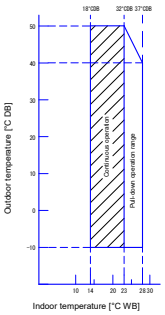
3D131755

10 Operation range

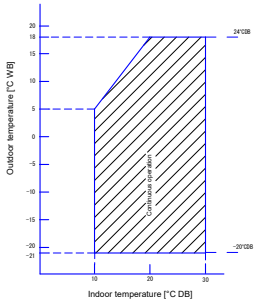
10 - 1 Operation Range

ARXM25-35R
RXM20-60R

Cooling



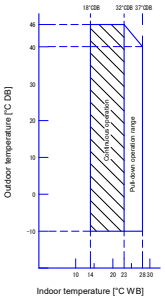
Heating



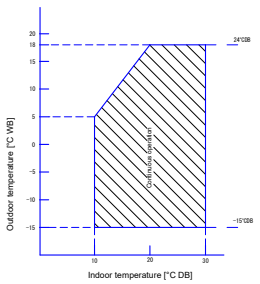
Notes
1. The ·graph· is based on the following conditions.
Corresponding refrigerant piping length: ·5· m
Level difference: ·0·m
Air flow rate High

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

Cooling



Heating



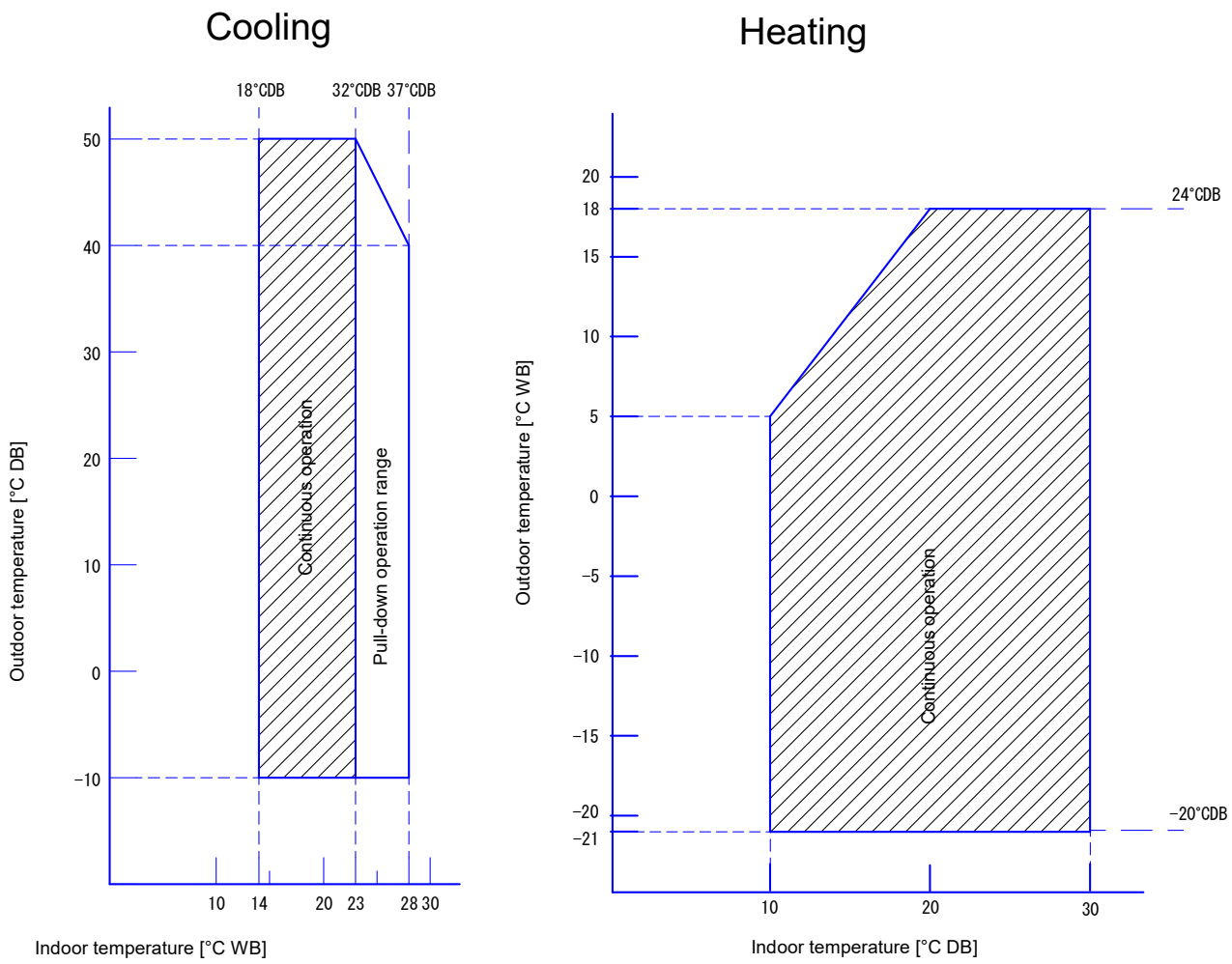
Only possible in combination with ·ATXM*M2V1B, FTXM*M2V1B, FVXM*FV1B, FCAG*AVEB, FFA*A2VEB9, FBA*A2VEB9, FHA*AVEB9, FDXM*F3V1B9, FNA*A2VEB9, ADEA*A2VEB, FVXM*A2V1B·

3D119882E

10 Operation range

10 - 1 Operation Range

ARXM50R
RXM42-60R



Notes

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

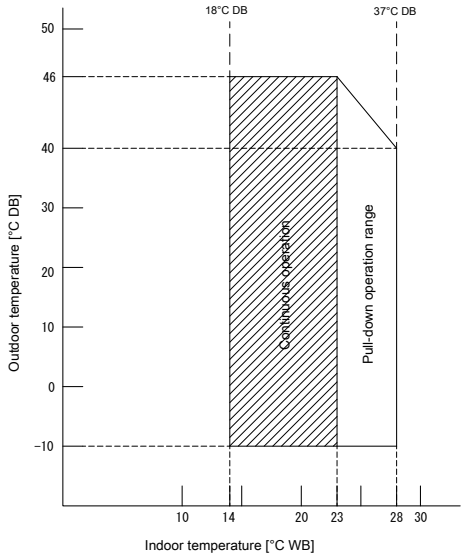
4D132631

10 Operation range

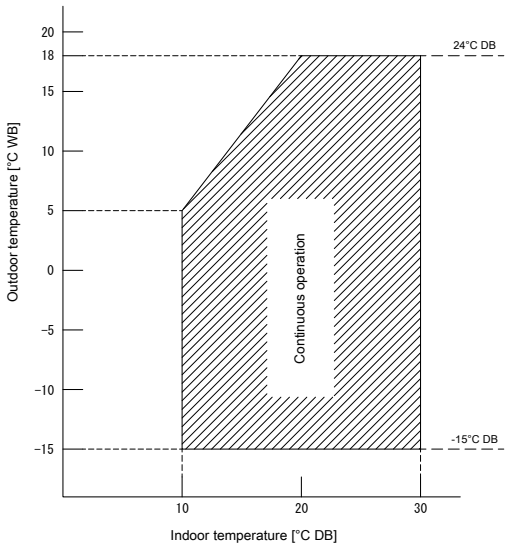
10 - 1 Operation Range

RXM71R

Cooling



Heating



Notes

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

3D120207